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TEST REPORT

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RENDERED TO

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Fort Worth, TX 76109

AREVA	AREVA NP Inc.
	58-9224235-000

PRODUCTS EVALUATED: Dow Corning® Sylgard 170 Silicone Elastomer, Quantum Silicones QSil 5558MC Silicone Elastomer and Dow Corning® 790 Silicone Building Sealant

EVALUATION PROPERTY: Seismic Pressure Resistance (Seismic Pressure Test 9)

Report of Testing pressure resistance capabilities for compliance with the applicable requirements of AREVA NP Inc. Test Plan, Document No. 51-9217475-000

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2 Introduction

Intertek Testing Services NA (Intertek) has conducted testing for AREVA NP Inc., on the seismic pressure resistance capabilities of Dow Corning® Sylgard 170 Silicone Elastomer, (DC-170), Quantum Silicones QSil 5558MC Silicone Elastomer (QSil 5558MC) and Dow Corning® 790 Silicone Building Sealant (DC-790) through a 12" thick concrete deck for compliance with the applicable requirements of and in accordance with AREVA NP Inc. Document No. 51-9217475-000, *Detailed Test Plan for Conducting MOX Seismic Pressure Test 9.* This test took place on February 12, 2014.

This project was undertaken to evaluate the seismic pressure resistance capabilities of elastomer penetration seals for the sealing of openings in alternate building construction (ABC) walls using alternating pressures at the air pressure increments above atmospheric pressure.

NOTE: The test assembly used in this seismic pressure test was the same test assembly that was constructed and tested in Pressure Test 11 without any changes. Refer to AREVA Doc. 58-9224202-000 or Intertek Test Report No. 101276459SAT-019 for details on Pressure Test 11.

3 Test Samples

3.1. SAMPLE SELECTION

The sealant materials were not independently selected for testing; they were supplied by AREVA NP, Inc., and were received in three shipments from June 21 to January 7, 2014. The samples were received with Certificates of Conformance and are considered traceable. Basic information on sealant material(s) is presented in the table below.

Sealant Material	Lot /Batch#	Expiration Date
DC-170	063B02	6/30/2014
DC-790	0007643997	11/29/2014
QSil 5558 MC	131014	11/4/2014

Information regarding receiving dates and origin of all the materials in the assembly can be found in Appendix F: Quality Documents of Pressure Test 11 (Intertek Report No. 101276459SAT-019; AREVA document 58-9224202-000). All samples were received in good condition at the Evaluation Center.

3.2. SAMPLE AND ASSEMBLY DESCRIPTION

The test assembly used in this test was the same assembly tested as Pressure Test 11. A detailed description of the concrete deck and penetrations can be found in AREVA NP Inc. Engineering Record 51-9217475-000, *Detailed Test Plan for Conducting Seismic Pressure Test 9* in Appendix D. For drawings of the concrete deck and penetrations please refer to Appendix A of Pressure Test 11 (Intertek Report No. 101276459SAT-019; AREVA document 58-9224202-000). The concrete slab measured approximately 96" x 96" (8' x 8'). Within this slab

there were two openings into which Structo-Crete material was fastened. The concrete openings were 14" x 20" without beveled edges. The installation and documentation of penetration seal assemblies contained within the test slab was performed by AREVA under AREVA's Quality Assurance Program (Reference 12.4 in the Test Plan found in Appendix D).

4 Testing and Evaluation Methods

The Test Plan in Appendix D defines the test methods, acceptance criteria and test report documentation requirements for Seismic Pressure Test 9. Additionally, this detailed test plan defines the roles and responsibilities of MOX Services, AREVA, the selected testing laboratory, and any other subcontracted entity engaged in support of seismic pressure testing efforts.

The detailed test plan also describes the procurement plan for materials associated with penetration seals in Seismic Pressure Test 9 and identifies the entities responsible for procuring the various components of the test assembly based on the quality level assigned to each component.

The Test Plan also establishes minimum quality requirements for the penetration seal materials used in the test assembly and links quality requirements in the AREVA QA program to customer/project quality requirements.

4.1. TEST APPARATUS

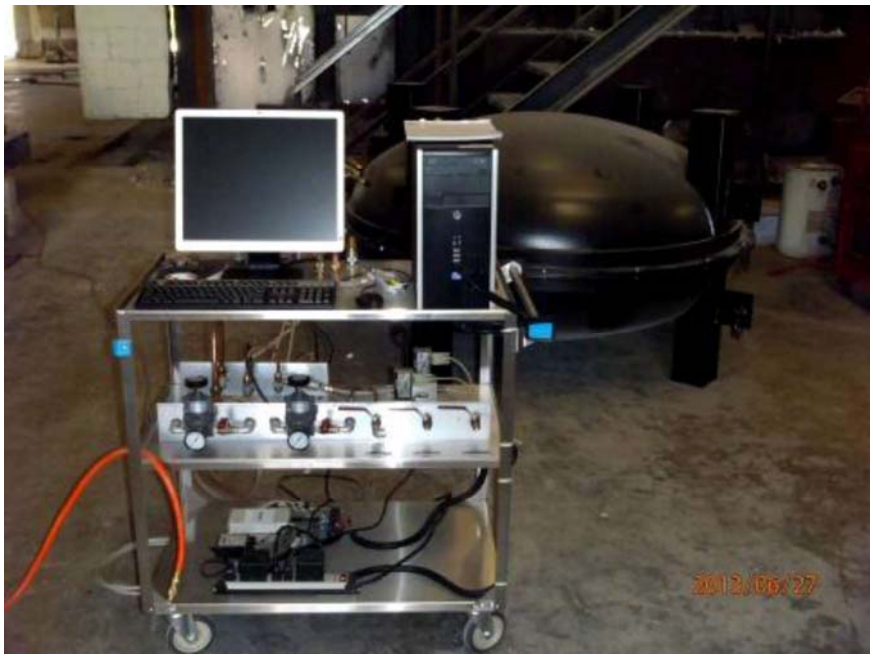
In the absence of any consensus codes or standards related to the pressure testing of penetration seal assemblies for seismic qualification purposes, the MOX Penetration Seal Program has developed a standardized method for conducting seismic pressure testing of MOX penetration seal designs. Specifically, seismic pressure testing will be used to evaluate the seismic inertia of the self-weight of the seal assembly by applying an equivalent pressure to alternating sides of a penetration seal assembly. In support of this effort, Intertek assisted in the design and construction of a pressure test apparatus to be use in the conduct of MOX penetration seal pressure tests.

The pressure chamber apparatus consists of two hemispherical 72" diameter steel pressure vessels, calibrated equipment and a data acquisition system. The apparatus accurately maintains the desired air pressure, using one of two sensitive, manually adjustable pressure regulators; a high (0-15 psi) and a low (0-2 psi) range. The sealed collection chamber feeds any leakage air back to the test device, where it is channeled through one of two calibrated flow meters, once again, a high (0-200 L/min) and a low (0-20 L/min) range. A calibrated electronic pressure transducer (0-5 psi) measures the differential pressure between the two chambers and the data acquisition software determines the net pressure drop across the test seal and the leakage through the seal. The chambers are interchangeable and the direction can be reversed very quickly so both can serve as the pressure or the collection chamber.

The primary components described above include the devices described on the following pages:

Pressure Chamber	2-piece hemispherical 72” diameter steel vessel 3 connection ports per piece 16 flange attachment points per piece Flange attachment via 3/8” diameter holes @ 22-1/2° spacing

Pressure Cart	Stainless steel rolling cart with control equipment and associated Data Acquisition System



Regulator (low)	Control Air, Inc., Amherst, NH Type 700 0-2 psi
Regulator (high)	Control Air, Inc., Amherst, NH Type 700 0-15 psi

Mass Flow Meter Omega Engineering, Inc., Stamford, CT
Model No. FMA-872A-V-NIST
Serial No. 4270050001001
0-20 lpm

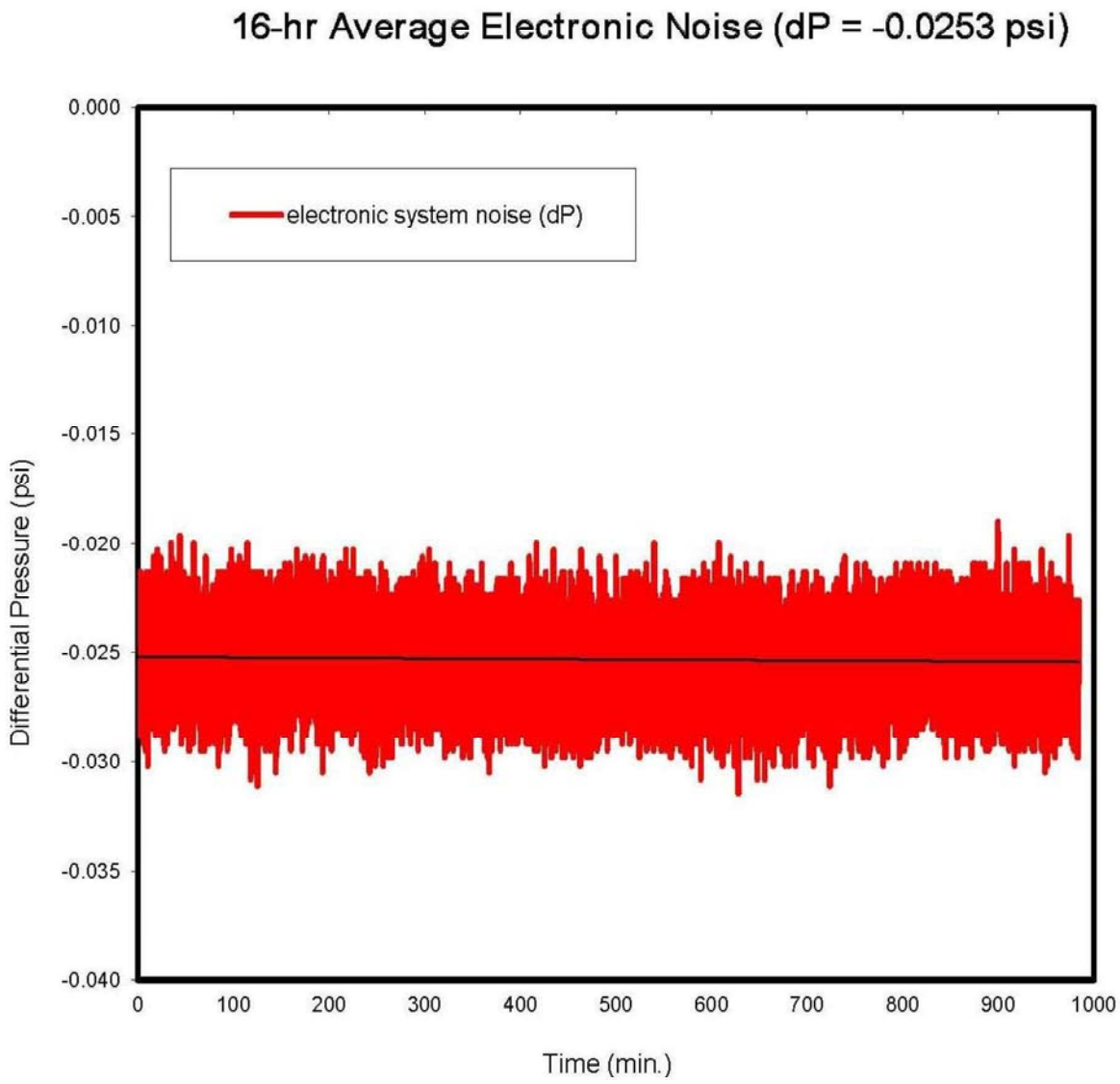
Mass Flow Meter Omega Engineering, Inc., Stamford, CT
Model No. FMA-875A-V-NIST
Serial No. 4270050003001
0-200 lpm

Pressure Transducer Omegadyne Inc., Sunbury, OH
Model No. PX409-005 DWUV
Serial No. 406707
Pressure Range: 0-5 psi
Input 0-100mVdc

Power Supply	Omega Engineering, Inc., Stamford, CT Model No. PSS-10 +10V @ 400 mA Input 115 VAC 50/60 Hz
Multifunction DAQ	National Instruments, Model No. NI USB-6210 16 Input, 16-bit, 250 kS/s, Multifunction I/O

Dedicated CPU HP Compaq Pro-6300 Microtower
Serial No. MXL3090LN6
OS Windows 7 Pro

Additionally, during initial system start-up testing and verification, it was discovered that the data acquisition system (DAQ) was so sensitive that "signal noise" resulted in data fluctuations for reported differential pressure even when the system was at equilibrium (i.e., both high side and low side pressure chambers were at atmospheric conditions). After collecting data for 16 hours overnight, the average fluctuation was -0.025 psi.



As seen above, the average data fluctuation due to "signal noise" was -0.025 psi. For this test, the Test Plan required pressure was applied and maintained using the DAQ reported differential pressure without consideration for any "signal noise". Since the "signal noise" always reported some level of negative pressure at the beginning of the test, this method assured that the tests were conducted with additional margin, as the actual differential pressure that the test specimen was subjected to was equal to the DAQ reported differential pressure plus the additional pressure needed to overcome the negative "signal noise" reported at the beginning of the test when both pressure chambers were at atmospheric conditions.

4.2. TEST STANDARD

AREVA NP Inc. Document No. 51-9217475-000

Seismically qualified penetration seals at the MOX facility are required to remain in the opening (penetration) during and after a Design Earthquake seismic event. In order demonstrate that a penetration seal will remain in place, the seal has to be evaluated for two conditions: 1) The seismic inertia of the self-weight of the seal has to be evaluated; and 2) The seismic deflection of the commodities penetrating the seal has to be considered.

Seismic pressure testing was used to evaluate the seismic inertia of the self-weight of the seal assembly. This was accomplished by applying a pressure to alternating sides of the penetration seal to demonstrate that the seal would not become dislodged from the opening due to the seismic inertia of the self-weight of the seal. The seismic deflection of commodities that penetrate the seal will be addressed by a separate analysis.

Ultimately, the overall seismic qualification of MOX penetration seal assemblies will be captured in a penetration seal seismic qualification report that will tie together the results of seismic pressure testing with other analyses performed to address seismic deflection of commodities that penetrate the seal.

The acceptance criterion for evaluating the seismic inertia of the seal self-weight is calculated in MOX Services Calculation "Penetration Seal Seismic Requirements" [Test Plan Reference 12.1] and expressed as an equivalent pressure. Testing at this equivalent pressure qualified that a penetration seal assembly would remain in place (i.e., the penetration seal cannot become dislodged from the opening or otherwise catastrophically fail such that a substantial leakage path is created) during the design earthquake seismic event.

The relative movement of the items penetrating a seal and the movement of the wall / seal during a seismic event were not considered as a part of this test. A separate engineering evaluation is required to evaluate the effect of movement on a seal with penetrating items during a seismic event.

No pressure inducing events are required to be considered concurrently with a seismic event.

The table below identifies the differential pressure levels (stages) for conducting this seismic pressure test, as well as, the acceptance criteria in order for the penetration seal assemblies to meet the seismic pressure testing requirements.

Test Stage	Differential Pressure (inch w.g.)	Required Hold Time (minutes)	Acceptance Criteria	Basis for the Selected Differential Pressure
1-4	45 (Note 1)	5	Penetration Seal Remains in Opening (Does not become dislodged)	Testing at this differential pressure meets the seismic demand expressed as a pressure [Test Plan Reference 12.1]

Note1: For Seismic Pressure Test 9, a nominal density of 85 pcf was used for the silicone elastomer seal material installed for the purposes of determining the test penetration seal's weight per square foot. 85 pcf bounds the installed seal material with margin. 85 pcf times a seal depth of 8" yields a seal weight of approximately 56.7 psf. Based on Figure B-2.1 of Test Plan Reference 12.1, the corresponding seismic pressure for a seal weight of 56.7 psf is approximately 44.7 inches w.g. Therefore, for Seismic Pressure Test 9 an equivalent seismic pressure of 45 inches w.g. was used.

The test assembly was attached to the seismic pressure test apparatus and subjected to the pressures identified in table as described above.

For Stage 1, the test assembly was attached to the pressure test apparatus and subjected to air pressure at the select pressure level identified in the table. Once this pressure was obtained, the pressure was maintained for the hold time specified in the table. If the penetration seal catastrophically failed during this time, the time of failure was to be noted and the test stopped.

Once the designated hold time for Stage 1 had been achieved, the pressure was vented from the test chamber. Next, the pressure identified in the table for Stage 2 was applied to the opposite side of the penetration seal and held for the designated hold time. If the penetration seal catastrophically failed during this time, the time of failure was to be noted and the test stopped.

Once the designated hold time for Stage 2 had been achieved, the pressure was vented from the test chamber. Next, the pressure identified for Stage 3 was applied to the original side of the penetration seal and held for the designated hold time. If the penetration seal catastrophically failed during this time, the time of failure was to be noted and the test stopped.

Once the designated hold time for Stage 3 had been achieved, the pressure was vented from the test chamber. Finally, the pressure identified in the table for Stage 4 was applied to the opposite side of the penetration seal and held for the designated hold time. If the penetration seal catastrophically failed during this time, the time of failure was to be noted and the test stopped.

Following completion of Stage 4 pressure testing, the pressure was vented from the test chamber. At this point, the test was continued at the discretion of the AREVA test engineer and the testing laboratory manager in charge. Subsequent pressures, and hold times were recorded as directed by the AREVA test engineer.

Note: The pressure used for the testing performed above was based on a seal material depth of 8 inches and a seal material density of 85 pcf. Since the test was successful, subsequent testing pressures were evaluated for a 10 inch depth of material (56 inches w.g.) and a 12 inch depth of material (67 inches w.g.). These tests were designated Stages 1a-4a and 1b-4b, respectively.

If at any pressure level (or test stage) the penetration seal became dislodged from the opening or otherwise catastrophically failed, the pressure test was to be terminated and the time to failure and pressure at which the failure occurred was recorded.

5 Testing and Evaluation Results

5.1. RESULTS AND OBSERVATIONS

The test was initiated at 2:11 p.m. on February 12, 2014. Scott Groesbeck, representing AREVA NP Inc. was present to witness the test. The ambient temperature at the start of the test was 55°F, with a relative humidity of 41%.

The test procedure followed that presented in Section 9.0 of the Test Plan, except that at the completion of Stage 4 the pressure was not vented from the bottom chamber. In lieu of this, the bottom chamber pressure was increased to the Stage 1a level of 56" w.g. and the test continued. This resulted in Stage 4a concluding with the pressure being applied to the top side of the test assembly. A similar process was followed, the top side pressure of 67 w.g. applied, and the test continued for Stages 1b-4b. This minor deviation from the prescribed test method was conducted with the verbal approval of the AREVA Test Engineer and is deemed to have had no adverse impact on the outcome of the test results.

The graphs and table on the following page(s) provide a summary of results and observations for the various pressure stages; any observed leakage, and whether the seal remained in place. Appendix B of this test report contains the raw data for this test.

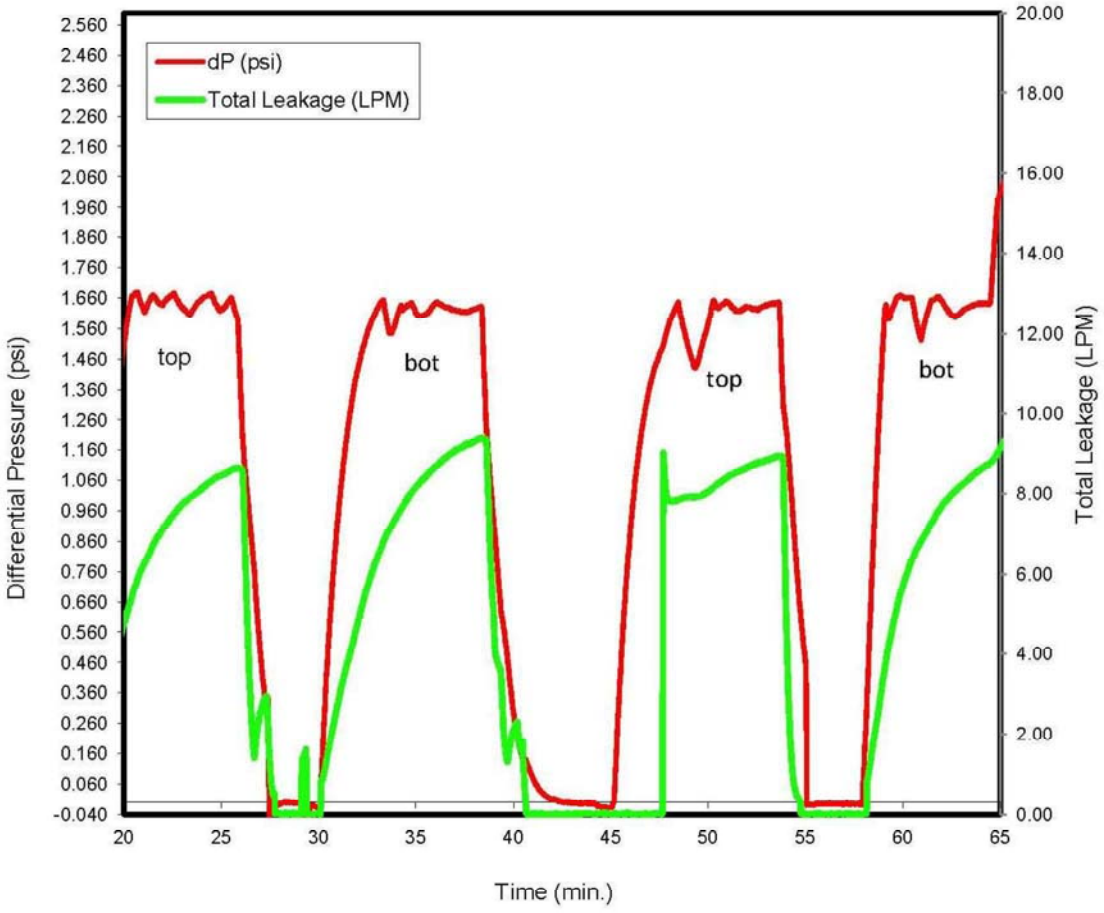
The graphs are based on data collected throughout the entire test process, including the time periods between stages when the pressure chamber was being vented and refilled. Pressure spikes and leakage rates displayed for time periods between stages should not be misinterpreted, as recorded leakage may have been caused by intentional venting of the pressure chamber though a mass flow meter.

Additionally, it should be noted that when changing between mass flowmeters during a pressure a test, valve lineups and flowpath routes are changed. The time it takes to manipulate the valves, differences in tubing sizes, orifice sizes and mass flowmeter throughput capacity all affect bonnet pressure on the leakage side of the test assembly which can affect recorded leakage values. Generally, the input air on the opposite side of the test assembly remains constant during this time period, since manipulation of the input pressure regulator would require additional operator action. This results in reported differential pressure fluctuations which typically show up as pressure spikes when the raw data is graphed. Within a few minutes of mass flowmeter switchover, the system stabilizes to the new lineup and the data results in a more uniform graph.

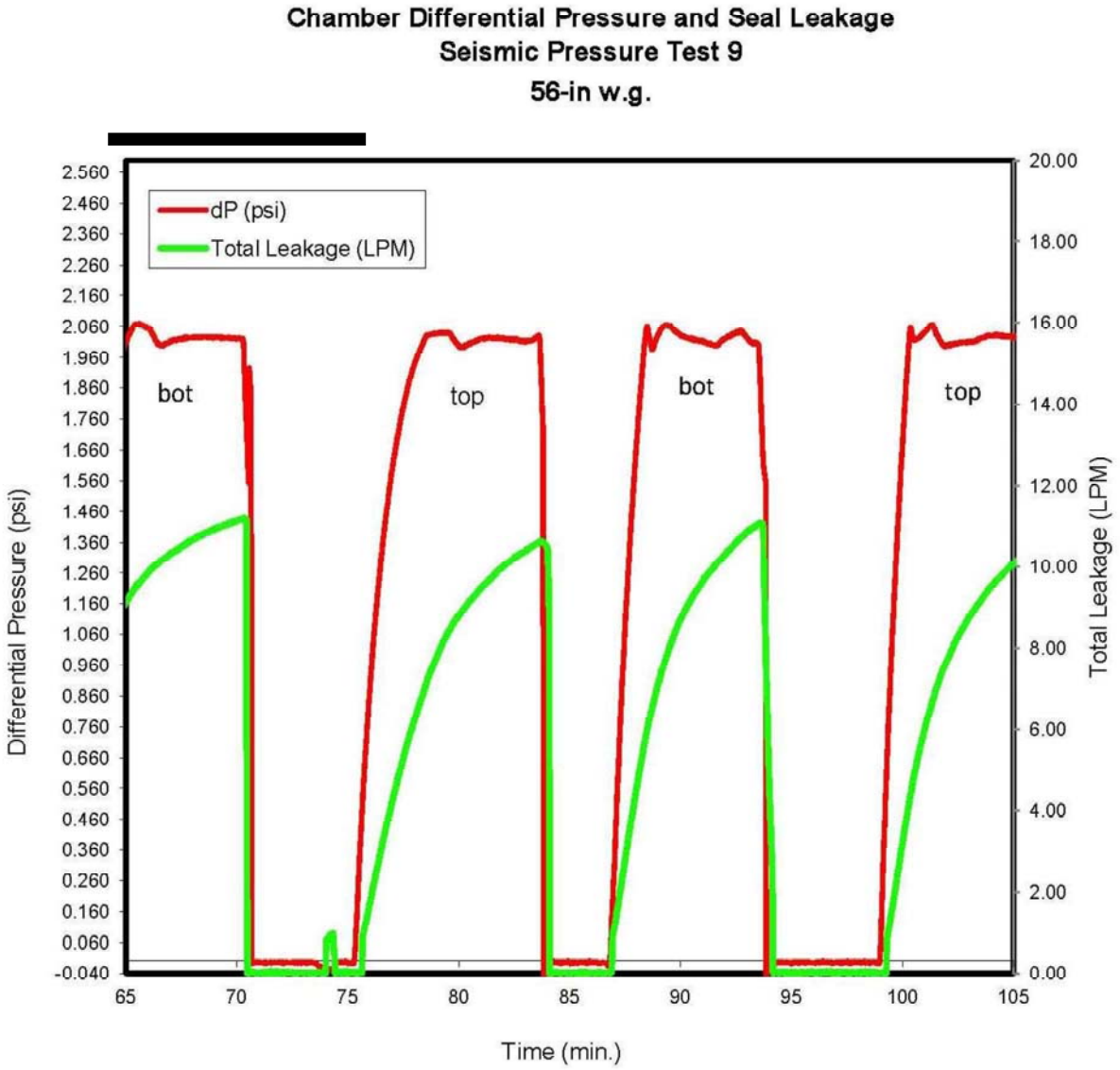
Therefore, it is important to analyze the data compiled during the hold times for each pressure stage and not the data before, after or in between pressure stages. The summary table presented after the graphs identifies the approximate start time and stop times for each pressure stage of this test. These times can be correlated to the data under the "Time (min)" heading for the raw data contained in Appendix B of this report. The official start and stop times for each pressure stage were timed using a traceable, calibrated stopwatch.

Stage 1-4

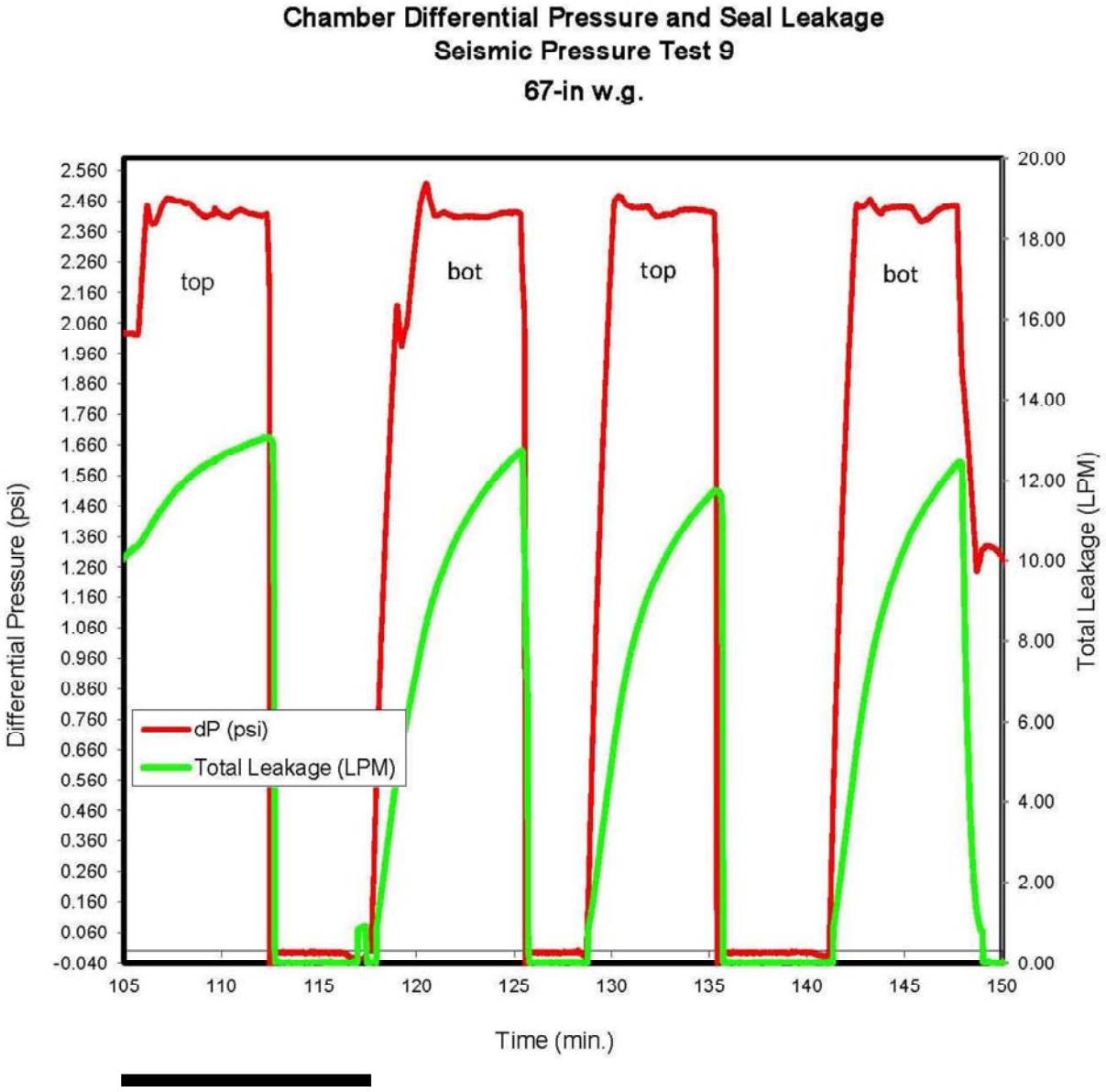
Chamber Differential Pressure and Seal Leakage
Seismic Pressure Test 9
45-in w.g.



Stage 1a-4a


Chamber Differential Pressure and Seal Leakage
Seismic Pressure Test 9
56-in w.g.
dP (psi)
Total Leakage (LPM)
bot
top
bot
top
Differential Pressure (psi)
Total Leakage (LPM)
Time (min.)
2.560
2.460
2.360
2.260
2.160
2.060
1.960
1.860
1.760
1.660
1.560
1.460
1.360
1.260
1.160
1.060
0.960
0.860
0.760
0.660
0.560
0.460
0.360
0.260
0.160
0.060
-0.040
20.00
18.00
16.00
14.00
12.00
10.00
8.00
6.00
4.00
2.00
0.00
65
70
75
80
85
90
95
100
105

Stage 1b-4b


Chamber Differential Pressure and Seal Leakage
Seismic Pressure Test 9
67-in w.g.
top
bot
top
bot
dP (psi)
Total Leakage (LPM)
Differential Pressure (psi)
Total Leakage (LPM)
Time (min.)
2.560
2.460
2.360
2.260
2.160
2.060
1.960
1.860
1.760
1.660
1.560
1.460
1.360
1.260
1.160
1.060
0.960
0.860
0.760
0.660
0.560
0.460
0.360
0.260
0.160
0.060
-0.040
20.00
18.00
16.00
14.00
12.00
10.00
8.00
6.00
4.00
2.00
0.00
105
110
115
120
125
130
135
140
145
150

Test Results and Observations

Test Stage	Pressurized Side	Differential Pressure (inch w.g.)	Start Time (min)	Required Hold Time (minutes)	Acceptance Criteria	PASS/FAIL
1	TOP	45	20.3	5	Seal Remains In Place	PASS
2	BOTTOM	45	33	5	Seal Remains In Place	PASS
3	TOP	45	50.2	5	Seal Remains In Place	PASS
4	BOTTOM	45	59.5	5	Seal Remains In Place	PASS
1a	BOTTOM	56	65	5	Seal Remains In Place	PASS
2a	TOP	56	78.5	5	Seal Remains In Place	PASS
3a	BOTTOM	56	88.4	5	Seal Remains In Place	PASS
4a	TOP	56	100.3	5	Seal Remains In Place	PASS
1b	TOP	67	106.1	5	Seal Remains In Place	PASS
2b	BOTTOM	67	120.1	5	Seal Remains In Place	PASS
3b	TOP	67	130.1	5	Seal Remains In Place	PASS
4b	BOTTOM	67	142.5	5	Seal Remains In Place	PASS

5.2. POST TEST EXAMINATION

Following completion of Seismic Pressure Test 9, the top bonnet was removed and the top side of the test specimen was visually inspected. This inspection revealed the following:

- Integrity of seal and conditions on the exposed side of the penetration
  - No visual changes were observed.
- Location of any penetration seal degradation
  - No visual changes were observed.
- Condition of seal to barrier interface
  - No visual changes were observed.
- Condition of seal to penetrating item interfaces
  - N/A – no penetrating items

Following visual inspection of the top side of the test assembly, pressure (~.5 psi) was applied to the bottom chamber and a soapy-water solution was sprayed on the top side of the seal. Leaks were observed at the following locations:

- Pen. 1 - Leaks at one screw location (not part of seal assembly). Leaks at two opposite corners of Structo-Crete.
- Pen. 2 - Leaks at one screw location (not part of seal assembly). Otherwise no leaks.

Finally, the slab was removed from the bottom bonnet and the bottom side of the test assembly was inspected. No visual changes were noted on the bottom side of the test assembly.

6 Conclusion

Intertek Testing Services NA (Intertek) has conducted testing for AREVA NP Inc., on the seismic pressure resistance capabilities of Dow Corning® Sylgard 170 Silicone Elastomer, (DC-170), Quantum Silicones QSil 5558MC Silicone Elastomer (QSil 5558MC) and Dow Corning® 790 Silicone Building Sealant (DC-790) through a 12" thick concrete deck for compliance with the applicable requirements of and in accordance with AREVA NP Inc. Document No. 51-9217475-000, Detailed *Test Plan for Conducting MOX Seismic Pressure Test 9.* This test took place on February 12, 2014.

The seals in Seismic Pressure Test 9 met the acceptance criteria as defined in the Test Plan.

This project was undertaken to evaluate the seismic pressure resistance capabilities of elastomer penetration seals for the sealing of openings in Structo-Crete walls using alternating pressures at the air pressure increments above atmospheric pressure.

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The conclusions of this test report may not be used as part of the requirements for Intertek product certification. Authority to Mark must be issued for a product to become certified.

INTERTEK TESTING SERVICES NA

Reported by: [redacted]

Mike Dey
Staff Engineer

Reviewed by: [redacted]

Joseph Zatopek
Engineering Team Lead, Fire Resistance

Reviewed by: [redacted]

Michael A. Brown
Quality Supervisor

APPENDIX A
Assembly Drawings

The test assembly used in Seismic Pressure Test 9 was the same assembly tested in Pressure Test 11. A detailed description of the assembly is presented in the Test Plan in Appendix D of this report. For drawings of the assembly, please refer to the final test report for Pressure Test 11 (Intertek Report No. 101276459SAT-019; AREVA document 58-9224202-000).

APPENDIX B
Test Data

Areva NP Inc. Project No. G101276459SAT-023 February 12, 2014

Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
0	1.447	0.0317	8.525	8.5566
0.0333	1.45	0.0305	8.5257	8.5562
0.0667	1.4418	0.0174	8.523	8.5404
0.1	1.4372	0.0174	8.5283	8.5456
0.1333	1.428	0.0174	8.5125	8.5299
0.1667	1.4257	0.0174	8.5138	8.5312
0.2	1.4198	0.0174	8.5112	8.5286
0.2333	1.4161	0.0305	8.5125	8.543
0.2667	1.4046	0.0305	8.5086	8.5391
0.3	1.404	0.0042	8.502	8.5062
0.3333	1.3954	0.0305	8.5033	8.5338
0.3667	1.3914	0.0174	8.4967	8.5141
0.4	1.3832	0.0042	8.4902	8.4944
0.4333	1.3812	0.0042	8.4941	8.4983
0.4667	1.3773	0.0174	8.481	8.4983
0.5	1.3687	0.0174	8.4783	8.4957
0.5333	1.3648	0.0042	8.477	8.4812
0.5667	1.3608	0.0174	8.4665	8.4838
0.6	1.3549	0.0174	8.4704	8.4878
0.6333	1.3483	0.0042	8.4573	8.4615
0.6667	1.346	0.0042	8.4494	8.4536
0.7	1.3404	0.0042	8.4468	8.451
0.7333	1.3361	0.0174	8.4376	8.4549
0.7667	1.3309	0.0042	8.4362	8.4404
0.8	1.3286	0.0174	8.4244	8.4418
0.8333	1.3246	0.0174	8.4257	8.4431
0.8667	1.318	0.0174	8.4113	8.4286
0.9	1.3128	0.0305	8.3955	8.426
0.9333	1.3092	0.0174	8.3928	8.4102
0.9667	1.3052	0.0305	8.3889	8.4194
1	1.3019	0.0042	8.381	8.3852
1.0333	1.2966	0.0042	8.3731	8.3773
1.0667	1.2907	0.0174	8.3652	8.3826
1.1	1.2841	0.0305	8.3573	8.3878
1.1333	1.2812	0.0305	8.3442	8.3747
1.1667	1.2785	0.0042	8.3389	8.3431
1.2	1.2746	0.0174	8.3337	8.351
1.2333	1.2687	0.0305	8.3166	8.3471
1.2667	1.2621	0.0174	8.3139	8.3313
1.3	1.2614	0.0042	8.3034	8.3076
1.3333	1.2581	0.0174	8.2982	8.3155
1.3667	1.2525	0.0042	8.2929	8.2971
1.4	1.2456	0	8.2824	8.2824

Areva NP Inc. Project No. G101276459SAT-023 February 12, 2014

Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
1.4333	1.2483	0.0174	8.2758	8.2932
1.4667	1.2417	0.0042	8.2613	8.2656
1.5	1.2361	0	8.2495	8.2495
1.5333	1.2344	0.0174	8.2416	8.259
1.5667	1.2298	0.0174	8.239	8.2564
1.6	1.2249	0.0174	8.2219	8.2393
1.6333	1.2216	0.0174	8.2153	8.2327
1.6667	1.2183	0.0042	8.2074	8.2116
1.7	1.2163	0.0174	8.193	8.2103
1.7333	1.2078	0.0174	8.1877	8.2051
1.7667	1.2035	0.0042	8.1798	8.184
1.8	1.2012	0.0042	8.1667	8.1709
1.8333	1.2002	0.0042	8.1706	8.1748
1.8667	1.1982	0.0174	8.1496	8.1669
1.9	1.1916	0.0174	8.1391	8.1564
1.9333	1.1897	0.0042	8.1272	8.1314
1.9667	1.1874	0.0174	8.118	8.1354
2	1.1798	0.0174	8.1128	8.1301
2.0333	1.1785	0.0042	8.0917	8.0959
2.0667	1.1745	0	8.0891	8.0891
2.1	1.1722	0.0174	8.0733	8.0907
2.1333	1.1643	0.0042	8.068	8.0723
2.1667	1.163	0.0174	8.0536	8.0709
2.2	1.1581	0.0042	8.0378	8.042
2.2333	1.1574	0.0042	8.026	8.0302
2.2667	1.1548	0.0174	8.022	8.0394
2.3	1.1521	0.0042	8.0102	8.0144
2.3333	1.1479	0.0174	8.001	8.0183
2.3667	1.1446	0.0174	7.9865	8.0039
2.4	1.138	0.0174	7.9655	7.9828
2.4333	1.1377	0.0174	7.9628	7.9802
2.4667	1.1347	0.0174	7.9497	7.9671
2.5	1.1278	0.0174	7.9471	7.9644
2.5333	1.1275	0.0174	7.93	7.9473
2.5667	1.1235	0.0174	7.926	7.9434
2.6	1.1186	0.0174	7.905	7.9223
2.6333	1.1192	0.0174	7.884	7.9013
2.6667	1.1149	0.0042	7.884	7.8882
2.7	1.111	0.0174	7.8734	7.8908
2.7333	1.1057	0.0305	7.8642	7.8947
2.7667	1.1021	0.0042	7.8537	7.8579
2.8	1.1024	0.0042	7.8366	7.8408
2.8333	1.0968	0.0174	7.8221	7.8395

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
2.8667	1.0949	0.0305	7.8129	7.8435
2.9	1.0932	0.0174	7.7985	7.8158
2.9333	1.088	0.0305	7.7919	7.8224
2.9667	1.0853	0.0174	7.7801	7.7974
3	1.083	0.0174	7.7656	7.783
3.0333	1.083	0.0174	7.759	7.7764
3.0667	1.0761	0.0174	7.7393	7.7567
3.1	1.0735	0.0305	7.7275	7.758
3.1333	1.0718	0.0042	7.7209	7.7251
3.1667	1.0692	0.0174	7.713	7.7304
3.2	1.0662	0.0174	7.6972	7.7146
3.2333	1.0626	0.0174	7.688	7.7054
3.2667	1.0626	0.0174	7.6709	7.6883
3.3	1.0554	0.0042	7.6486	7.6528
3.3333	1.0527	0.0042	7.6486	7.6528
3.3667	1.0534	0.0174	7.6302	7.6475
3.4	1.0485	0.0174	7.6183	7.6357
3.4333	1.0462	0.0174	7.6025	7.6199
3.4667	1.0432	0.0042	7.6078	7.612
3.5	1.0389	0.0174	7.5802	7.5976
3.5333	1.034	0.0174	7.571	7.5883
3.5667	1.0363	0.0042	7.5526	7.5568
3.6	1.0317	0	7.5342	7.5342
3.6333	1.0284	0.0042	7.5342	7.5384
3.6667	1.0271	0.0174	7.5197	7.5371
3.7	1.0241	0.0174	7.5026	7.52
3.7333	1.0182	0	7.4881	7.4881
3.7667	1.0172	0.0174	7.4816	7.4989
3.8	1.0139	0.0042	7.4645	7.4687
3.8333	1.0136	0.0305	7.4461	7.4766
3.8667	1.0076	0.0042	7.4382	7.4424
3.9	1.0053	0.0042	7.425	7.4292
3.9333	1.0037	0.0174	7.4185	7.4358
3.9667	0.9984	0.0042	7.4027	7.4069
4	0.9981	0.0174	7.3935	7.4108
4.0333	0.9955	0.0305	7.379	7.4095
4.0667	0.9909	0.0042	7.3724	7.3766
4.1	0.9892	0.0042	7.358	7.3622
4.1333	0.9879	0.0042	7.3461	7.3503
4.1667	0.9836	0.0174	7.329	7.3464
4.2	0.983	0.0174	7.3264	7.3438
4.2333	0.9757	0.0305	7.3133	7.3438
4.2667	0.9751	0.0042	7.3001	7.3043

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
4.3	0.9737	0.0437	7.2883	7.3319
4.3333	0.9711	0.0174	7.2712	7.2885
4.3667	0.9675	0.0174	7.262	7.2793
4.4	0.9645	0.0042	7.2449	7.2491
4.4333	0.9642	0.0305	7.2344	7.2649
4.4667	0.9589	0.0042	7.2199	7.2241
4.5	0.9583	0.0174	7.2028	7.2202
4.5333	0.9553	0.0174	7.191	7.2083
4.5667	0.9497	0.0174	7.1923	7.2096
4.6	0.9477	0.0174	7.1699	7.1873
4.6333	0.9444	0.0305	7.1541	7.1846
4.6667	0.9464	0.0305	7.1344	7.1649
4.7	0.9405	0.0305	7.1344	7.1649
4.7333	0.9402	0	7.1134	7.1134
4.7667	0.9379	0.0174	7.1002	7.1176
4.8	0.9332	0.0174	7.0884	7.1057
4.8333	0.9326	0.0042	7.0766	7.0808
4.8667	0.9316	0.0042	7.0555	7.0597
4.9	0.9257	0.0174	7.0503	7.0676
4.9333	0.9234	0.0174	7.0318	7.0492
4.9667	0.923	0.0174	7.0292	7.0466
5	0.9188	0.0174	7.0069	7.0242
5.0333	0.9168	0.0174	7.0029	7.0203
5.0667	0.9138	0.0174	6.9832	7.0006
5.1	0.9135	0.0174	6.974	6.9913
5.1333	0.9086	0.0174	6.9635	6.9808
5.1667	0.9066	0.0042	6.9582	6.9624
5.2	0.9072	0.0305	6.9411	6.9716
5.2333	0.902	0.0174	6.9267	6.944
5.2667	0.9016	0.0174	6.9135	6.9309
5.3	0.8961	0.0305	6.8925	6.923
5.3333	0.8937	0.0042	6.8872	6.8914
5.3667	0.8914	0.0174	6.8754	6.8927
5.4	0.8911	0.0174	6.8622	6.8796
5.4333	0.8901	0.0174	6.8543	6.8717
5.4667	0.8878	0.0174	6.8333	6.8506
5.5	0.8849	0.0042	6.8175	6.8217
5.5333	0.8806	0.0042	6.8096	6.8138
5.5667	0.8799	0.0042	6.7952	6.7994
5.6	0.8756	0.0042	6.7794	6.7836
5.6333	0.8737	0.0042	6.7689	6.7731
5.6667	0.8704	0.0174	6.7518	6.7691
5.7	0.87	0.0174	6.7452	6.7625

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
5.7333	0.8684	0.0174	6.7373	6.7547
5.7667	0.8661	0.0305	6.7215	6.752
5.8	0.8631	0.0305	6.7097	6.7402
5.8333	0.8602	0.0174	6.6847	6.7021
5.8667	0.8589	0.0174	6.6702	6.6876
5.9	0.8566	0.0174	6.6558	6.6731
5.9333	0.8539	0.0042	6.6531	6.6573
5.9667	0.8526	0.0305	6.6308	6.6613
6	0.848	0.0042	6.6308	6.635
6.0333	0.8487	0.0042	6.6137	6.6179
6.0667	0.8463	0.0174	6.6005	6.6179
6.1	0.845	0.0174	6.594	6.6113
6.1333	0.8391	0.0174	6.569	6.5863
6.1667	0.8381	0.0042	6.5624	6.5666
6.2	0.8355	0.0174	6.5479	6.5653
6.2333	0.8325	0.0174	6.5414	6.5587
6.2667	0.8322	0.0042	6.5269	6.5311
6.3	0.8286	0.0174	6.5085	6.5258
6.3333	0.8269	0.0042	6.4927	6.4969
6.3667	0.8259	0.0042	6.4822	6.4864
6.4	0.8194	0.0174	6.4769	6.4943
6.4333	0.8197	0.0174	6.4572	6.4746
6.4667	0.8174	0	6.4519	6.4519
6.5	0.8177	0.0174	6.4348	6.4522
6.5333	0.8144	0.0042	6.4217	6.4259
6.5667	0.8101	0.0174	6.4138	6.4312
6.6	0.8068	0.0042	6.3928	6.397
6.6333	0.8068	0	6.3875	6.3875
6.6667	0.8052	0.0174	6.377	6.3943
6.7	0.8036	0.0174	6.3665	6.3838
6.7333	0.7983	0.0305	6.352	6.3825
6.7667	0.7966	0.0174	6.3323	6.3496
6.8	0.7963	0.0305	6.3283	6.3588
6.8333	0.792	0.0042	6.3165	6.3207
6.8667	0.7917	0.0042	6.3047	6.3089
6.9	0.7917	0.0174	6.2968	6.3141
6.9333	0.7874	0.0174	6.2784	6.2957
6.9667	0.7868	0.0042	6.2718	6.276
7	0.7831	0.0174	6.256	6.2734
7.0333	0.7795	0.0042	6.2415	6.2458
7.0667	0.7782	0.0174	6.2284	6.2458
7.1	0.7746	0.0042	6.2258	6.23
7.1333	0.7733	0.0174	6.2047	6.2221

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
7.1667	0.7733	0.0042	6.1995	6.2037
7.2	0.7713	0.0042	6.1903	6.1945
7.2333	0.767	0.0305	6.1732	6.2037
7.2667	0.7664	0.0174	6.1692	6.1866
7.3	0.766	0.0174	6.1574	6.1747
7.3333	0.7618	0.0174	6.1403	6.1577
7.3667	0.7591	0.0305	6.1285	6.159
7.4	0.7555	0.0174	6.1114	6.1287
7.4333	0.7571	0.0042	6.1074	6.1116
7.4667	0.7519	0.0174	6.0838	6.1011
7.5	0.7535	0.0174	6.0719	6.0893
7.5333	0.7509	0.0042	6.0601	6.0643
7.5667	0.7483	0.0174	6.0522	6.0695
7.6	0.746	0.0042	6.043	6.0472
7.6333	0.7453	0.0174	6.0338	6.0511
7.6667	0.7427	0.0042	6.0219	6.0262
7.7	0.74	0.0305	6.0101	6.0406
7.7333	0.7377	0.0305	5.997	6.0275
7.7667	0.7377	0.0042	5.9838	5.988
7.8	0.7351	0.0174	5.9707	5.988
7.8333	0.7318	0.0174	5.9562	5.9736
7.8667	0.7292	0.0174	5.9417	5.9591
7.9	0.7265	0.0174	5.9299	5.9473
7.9333	0.7249	0.0174	5.922	5.9394
7.9667	0.7209	0.0174	5.9141	5.9315
8	0.719	0.0042	5.9089	5.9131
8.0333	0.717	0.0174	5.8905	5.9078
8.0667	0.7176	0.0174	5.8734	5.8907
8.1	0.7176	0.0042	5.8642	5.8684
8.1333	0.714	0	5.8497	5.8497
8.1667	0.7107	0.0174	5.8484	5.8657
8.2	0.7111	0.0174	5.8352	5.8526
8.2333	0.7068	0.0042	5.8273	5.8315
8.2667	0.7091	0.0174	5.8089	5.8263
8.3	0.7018	0.0174	5.8129	5.8302
8.3333	0.7005	0.0174	5.7905	5.8079
8.3667	0.7015	0.0174	5.7931	5.8105
8.4	0.6982	0.0174	5.7682	5.7855
8.4333	0.6953	0.0174	5.7629	5.7803
8.4667	0.6926	0.0042	5.7471	5.7513
8.5	0.691	0.0174	5.7419	5.7592
8.5333	0.6936	0.0174	5.7261	5.7434
8.5667	0.69	0.0042	5.7156	5.7198

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
8.6	0.6854	0.0305	5.709	5.7395
8.6333	0.6851	0.0174	5.6919	5.7092
8.6667	0.686	0.0174	5.6787	5.6961
8.7	0.6798	0.0174	5.6682	5.6856
8.7333	0.6758	0.0042	5.6538	5.658
8.7667	0.6772	0.0305	5.638	5.6685
8.8	0.6758	0.0305	5.6314	5.6619
8.8333	0.6748	0.0174	5.6196	5.6369
8.8667	0.6732	0.0305	5.6077	5.6382
8.9	0.6666	0.0042	5.5985	5.6027
8.9333	0.6679	0.0174	5.588	5.6054
8.9667	0.6646	0.0042	5.5788	5.583
9	0.665	0.0042	5.5617	5.5659
9.0333	0.6637	0.0174	5.5499	5.5672
9.0667	0.6597	0.0042	5.5354	5.5396
9.1	0.6581	0.0174	5.5262	5.5436
9.1333	0.6577	0.0174	5.5144	5.5317
9.1667	0.6521	0.0174	5.5078	5.5252
9.2	0.6531	0.0174	5.4946	5.512
9.2333	0.6515	0.0042	5.4828	5.487
9.2667	0.6488	0.0174	5.471	5.4883
9.3	0.6465	0.0042	5.4578	5.462
9.3333	0.6472	0.0174	5.4526	5.4699
9.3667	0.6439	0.0305	5.4289	5.4594
9.4	0.6419	0.0042	5.4302	5.4344
9.4333	0.6432	0.0042	5.4131	5.4173
9.4667	0.639	0.0042	5.4039	5.4081
9.5	0.6373	0.0042	5.3894	5.3937
9.5333	0.6337	0.0174	5.3776	5.395
9.5667	0.6347	0.0174	5.371	5.3884
9.6	0.6344	0.0042	5.3566	5.3608
9.6333	0.6321	0.0042	5.3461	5.3503
9.6667	0.6298	0.0174	5.3395	5.3568
9.7	0.6248	0.0042	5.3237	5.3279
9.7333	0.6238	0.0305	5.2856	5.3161
9.7667	0.6215	0.0174	5.3027	5.32
9.8	0.6222	0.0042	5.2882	5.2924
9.8333	0.6215	0.0042	5.2842	5.2885
9.8667	0.6172	0.0174	5.275	5.2924
9.9	0.6156	0.0042	5.2632	5.2674
9.9333	0.6163	0.0305	5.2527	5.2832
9.9667	0.6136	0.0042	5.2356	5.2398
10	0.6126	0.0305	5.2264	5.2569

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
10.0333	0.611	0.0042	5.2224	5.2267
10.0667	0.608	0.0174	5.2014	5.2188
10.1	0.6074	0.0174	5.2001	5.2174
10.1333	0.6037	0.0042	5.1856	5.1898
10.1667	0.6024	0.0174	5.1738	5.1911
10.2	0.6037	0.0174	5.1672	5.1846
10.2333	0.5998	0.0305	5.1528	5.1833
10.2667	0.5985	0.0174	5.1422	5.1596
10.3	0.5932	0.0305	5.1278	5.1583
10.3333	0.5932	0.0305	5.1251	5.1556
10.3667	0.5906	0.0174	5.1107	5.128
10.4	0.5929	0.0042	5.0962	5.1004
10.4333	0.5896	0.0305	5.0936	5.1241
10.4667	0.5893	0.0174	5.0778	5.0952
10.5	0.5853	0.0174	5.0699	5.0873
10.5333	0.584	0.0174	5.0594	5.0767
10.5667	0.585	0.0042	5.041	5.0452
10.6	0.5797	0.0174	5.0383	5.0557
10.6333	0.5797	0.0174	5.0226	5.0399
10.6667	0.5807	0.0174	5.0107	5.0281
10.7	0.5771	0.0042	5.0042	5.0084
10.7333	0.5741	0.0174	4.991	5.0084
10.7667	0.5748	0.0174	4.9844	5.0018
10.8	0.5725	0.0174	4.9634	4.9808
10.8333	0.5708	0.0174	4.9647	4.9821
10.8667	0.5679	0.0042	4.9516	4.9558
10.9	0.5669	0.0174	4.9253	4.9426
10.9333	0.5633	0.0042	4.9331	4.9374
10.9667	0.5639	0.0042	4.9253	4.9295
11	0.5639	0.0305	4.9147	4.9452
11.0333	0.559	0.0174	4.9055	4.9229
11.0667	0.5619	0.0174	4.8871	4.9045
11.1	0.5537	0.0174	4.8845	4.9019
11.1333	0.557	0.0174	4.8713	4.8887
11.1667	0.5534	0.0174	4.8674	4.8848
11.2	0.5537	0.0305	4.8543	4.8848
11.2333	0.5521	0.0174	4.8398	4.8571
11.2667	0.5504	0.0174	4.8372	4.8545
11.3	0.5475	0.0174	4.8332	4.8506
11.3333	0.5458	0.0042	4.8135	4.8177
11.3667	0.5435	0.0174	4.8043	4.8216
11.4	0.5415	0.0174	4.7964	4.8137
11.4333	0.5419	0.0174	4.7846	4.8019

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
11.4667	0.5419	0.0174	4.7819	4.7993
11.5	0.5382	0.0305	4.7635	4.794
11.5333	0.5379	0.0174	4.7583	4.7756
11.5667	0.5392	0.0042	4.7398	4.7441
11.6	0.5346	0.0042	4.7293	4.7335
11.6333	0.5326	0.0174	4.732	4.7493
11.6667	0.529	0.0174	4.7162	4.7335
11.7	0.5336	0.0174	4.7083	4.7256
11.7333	0.5294	0.0174	4.6951	4.7125
11.7667	0.528	0.0174	4.6872	4.7046
11.8	0.5254	0.0305	4.682	4.7125
11.8333	0.5228	0.0042	4.6623	4.6665
11.8667	0.5211	0.0174	4.6557	4.673
11.9	0.5221	0.0042	4.6412	4.6454
11.9333	0.5198	0.0174	4.6439	4.6612
11.9667	0.5178	0.0174	4.6307	4.6481
12	0.5152	0.0174	4.6202	4.6375
12.0333	0.5155	0.0042	4.611	4.6152
12.0667	0.5126	0.0174	4.5991	4.6165
12.1	0.5122	0.0042	4.5978	4.602
12.1333	0.5116	0.0174	4.5794	4.5968
12.1667	0.5103	0.0174	4.5702	4.5876
12.2	0.5073	0.0174	4.5636	4.581
12.2333	0.502	0.0042	4.5544	4.5586
12.2667	0.5047	0.0042	4.5479	4.5521
12.3	0.5057	0.0174	4.5439	4.5613
12.3333	0.504	0.0305	4.5321	4.5626
12.3667	0.5004	0	4.5176	4.5176
12.4	0.4981	0.0042	4.5097	4.5139
12.4333	0.4981	0.0305	4.4992	4.5297
12.4667	0.4955	0.0437	4.4953	4.5389
12.5	0.4945	0.0042	4.4795	4.4837
12.5333	0.4922	0.0042	4.4663	4.4705
12.5667	0.4945	0.0042	4.4584	4.4627
12.6	0.4902	0.0305	4.4532	4.4837
12.6333	0.4925	0.0174	4.44	4.4574
12.6667	0.4846	0.0042	4.4387	4.4429
12.7	0.4839	0.0174	4.4243	4.4416
12.7333	0.4836	0.0174	4.4137	4.4311
12.7667	0.4829	0.0174	4.4072	4.4245
12.8	0.4852	0.0174	4.3966	4.414
12.8333	0.4793	0.0042	4.3901	4.3943
12.8667	0.4793	0.0305	4.3822	4.4127

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
12.9	0.4741	0.0174	4.3769	4.3943
12.9333	0.4783	0.0305	4.3572	4.3877
12.9667	0.4767	0.0174	4.3559	4.3732
13	0.4731	0.0174	4.348	4.3653
13.0333	0.4734	0.0174	4.3322	4.3496
13.0667	0.4721	0.0174	4.3335	4.3509
13.1	0.4721	0.0174	4.3112	4.3285
13.1333	0.4698	0.0305	4.3138	4.3443
13.1667	0.4662	0.0174	4.2941	4.3114
13.2	0.4671	0.0174	4.2941	4.3114
13.2333	0.4622	0.0305	4.2757	4.3062
13.2667	0.4645	0.0305	4.2665	4.297
13.3	0.4592	0.0174	4.2546	4.272
13.3333	0.4602	0.0042	4.2454	4.2496
13.3667	0.4589	0.0174	4.2349	4.2523
13.4	0.4583	0.0174	4.2323	4.2496
13.4333	0.4569	0.0174	4.2139	4.2312
13.4667	0.455	0.0042	4.2086	4.2128
13.5	0.4523	0.0174	4.1915	4.2089
13.5333	0.4536	0.0042	4.1797	4.1839
13.5667	0.4523	0.0174	4.1678	4.1852
13.6	0.4517	0.0042	4.1586	4.1628
13.6333	0.4513	0.0174	4.1442	4.1615
13.6667	0.4517	0.0174	4.1363	4.1536
13.7	0.4484	0.0042	4.131	4.1352
13.7333	0.4467	0.0174	4.1166	4.1339
13.7667	0.4415	0.0174	4.1047	4.1221
13.8	0.4464	0.0042	4.0942	4.0984
13.8333	0.4415	0.0174	4.0876	4.105
13.8667	0.4408	0.0174	4.0745	4.0918
13.9	0.4388	0.0174	4.0666	4.0839
13.9333	0.4365	0.0174	4.0561	4.0734
13.9667	0.4349	0.0042	4.0495	4.0537
14	0.4346	0.0042	4.0403	4.0445
14.0333	0.4336	0.0174	4.0284	4.0458
14.0667	0.4326	0.0174	4.0219	4.0392
14.1	0.429	0.0437	4.0074	4.0511
14.1333	0.4306	0	3.9995	3.9995
14.1667	0.4323	0.0174	3.9877	4.005
14.2	0.427	0.0042	3.9785	3.9827
14.2333	0.4267	0.0305	3.9706	4.0011
14.2667	0.4247	0.0305	3.9627	3.9932
14.3	0.4273	0.0042	3.9548	3.959

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
14.3333	0.4217	0.0305	3.9456	3.9761
14.3667	0.4191	0.0174	3.943	3.9603
14.4	0.4194	0.0305	3.9311	3.9616
14.4333	0.4181	0.0042	3.9272	3.9314
14.4667	0.4171	0.0174	3.914	3.9314
14.5	0.4174	0.0174	3.9127	3.9301
14.5333	0.4141	0.0042	3.9075	3.9117
14.5667	0.4141	0.0174	3.897	3.9143
14.6	0.4118	0.0042	3.8785	3.8827
14.6333	0.4118	0.0174	3.8693	3.8867
14.6667	0.4128	0.0305	3.8628	3.8933
14.7	0.4086	0.0174	3.8575	3.8749
14.7333	0.4082	0.0305	3.847	3.8775
14.7667	0.4039	0.0042	3.8444	3.8486
14.8	0.4039	0.0174	3.8391	3.8564
14.8333	0.4039	0.0174	3.822	3.8394
14.8667	0.4062	0.0174	3.8141	3.8315
14.9	0.402	0.0174	3.8102	3.8275
14.9333	0.3987	0.0174	3.8049	3.8223
14.9667	0.4013	0.0042	3.7957	3.7999
15	0.3964	0.0174	3.7918	3.8091
15.0333	0.3964	0.0042	3.7825	3.7868
15.0667	0.3954	0.0174	3.772	3.7894
15.1	0.3951	0.0174	3.7655	3.7828
15.1333	0.3947	0.0174	3.7628	3.7802
15.1667	0.3947	0.0174	3.7497	3.767
15.2	0.3937	0.0174	3.7431	3.7605
15.2333	0.3898	0.0305	3.7444	3.7749
15.2667	0.3911	0.0042	3.7339	3.7381
15.3	0.3875	0.0174	3.726	3.7434
15.3333	0.3872	0.0174	3.7168	3.7342
15.3667	0.3865	0.0174	3.7076	3.725
15.4	0.3825	0.0305	3.6944	3.725
15.4333	0.3812	0.0174	3.6866	3.7039
15.4667	0.3829	0	3.6813	3.6813
15.5	0.3806	0.0174	3.6603	3.6776
15.5333	0.3786	0.0174	3.6537	3.671
15.5667	0.3793	0.0174	3.6418	3.6592
15.6	0.3786	0.0174	3.6366	3.6539
15.6333	0.3746	0.0174	3.6208	3.6382
15.6667	0.3786	0.0042	3.6142	3.6184
15.7	0.3737	0.0305	3.6103	3.6408
15.7333	0.373	0.0305	3.5945	3.625

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
15.7667	0.373	0.0174	3.584	3.6013
15.8	0.3694	0.0174	3.5814	3.5987
15.8333	0.3697	0.0305	3.5695	3.6
15.8667	0.3691	0.0305	3.5537	3.5842
15.9	0.3671	0.0174	3.5511	3.5685
15.9333	0.3671	0.0305	3.5432	3.5737
15.9667	0.3641	0.0042	3.5301	3.5343
16	0.3625	0.0042	3.5222	3.5264
16.0333	0.3612	0.0174	3.5169	3.5343
16.0667	0.3644	0.0042	3.5051	3.5093
16.1	0.3615	0.0042	3.4919	3.4961
16.1333	0.3605	0.0042	3.484	3.4883
16.1667	0.3585	0.0042	3.4775	3.4817
16.2	0.3565	0.0042	3.4722	3.4764
16.2333	0.3559	0.0174	3.4656	3.483
16.2667	0.3559	0.0042	3.4577	3.462
16.3	0.3539	0.0305	3.4538	3.4843
16.3333	0.3523	0.0042	3.4459	3.4501
16.3667	0.3493	0.0042	3.4301	3.4343
16.4	0.3526	0.0305	3.4301	3.4606
16.4333	0.3536	0.0042	3.4209	3.4251
16.4667	0.349	0.0042	3.413	3.4172
16.5	0.3493	0.0042	3.4012	3.4054
16.5333	0.3454	0.0042	3.392	3.3962
16.5667	0.3434	0.0174	3.3841	3.4015
16.6	0.3467	0.0305	3.3802	3.4107
16.6333	0.3444	0.0042	3.371	3.3752
16.6667	0.3407	0.0174	3.367	3.3844
16.7	0.3427	0.0042	3.3618	3.366
16.7333	0.3388	0.0174	3.3512	3.3686
16.7667	0.3398	0.0042	3.3368	3.341
16.8	0.3394	0.0305	3.3355	3.366
16.8333	0.3371	0.0042	3.3263	3.3305
16.8667	0.3381	0.0174	3.3144	3.3318
16.9	0.3365	0.0305	3.3078	3.3383
16.9333	0.3319	0.0305	3.2986	3.3291
16.9667	0.3292	0.0174	3.2907	3.3081
17	0.3325	0.0174	3.2842	3.3015
17.0333	0.3335	0.0305	3.2763	3.3068
17.0667	0.3269	0.0174	3.2644	3.2818
17.1	0.3276	0.0042	3.2579	3.2621
17.1333	0.3269	0.0042	3.2526	3.2568
17.1667	0.3276	0.0042	3.2487	3.2529

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
17.2	0.3266	0.0305	3.2408	3.2713
17.2333	0.3263	0.0437	3.2289	3.2726
17.2667	0.3226	0.0305	3.2237	3.2542
17.3	0.324	0.0174	3.2184	3.2358
17.3333	0.3226	0.0042	3.2105	3.2147
17.3667	0.3213	0.0042	3.2013	3.2055
17.4	0.323	0.0174	3.1934	3.2108
17.4333	0.3213	0.0437	3.1869	3.2305
17.4667	0.3161	0.0305	3.1711	3.2016
17.5	0.3157	0.0042	3.1632	3.1674
17.5333	0.3151	0.0174	3.1566	3.174
17.5667	0.3072	0.0174	3.1395	3.1569
17.6	0.2933	0.0042	3.1395	3.1437
17.6333	0.2841	0.0305	3.1277	3.1582
17.6667	0.2966	0.0042	3.1106	3.1148
17.7	0.3328	0.0042	3.1106	3.1148
17.7333	0.3694	0.0174	3.104	3.1214
17.7667	0.4151	0.0042	3.1119	3.1161
17.8	0.4494	0.0174	3.1159	3.1332
17.8333	0.4767	0	3.1224	3.1224
17.8667	0.4991	0.0174	3.1369	3.1543
17.9	0.5113	0.0174	3.1527	3.17
17.9333	0.5195	0.0174	3.1685	3.1858
17.9667	0.5172	0.0042	3.1855	3.1898
18	0.4994	0.0174	3.2053	3.2226
18.0333	0.4787	0.0042	3.2053	3.2095
18.0667	0.4599	0.0305	3.2224	3.2529
18.1	0.4448	0.0042	3.2224	3.2266
18.1333	0.4227	0.0174	3.2224	3.2397
18.1667	0.4079	0.0174	3.2263	3.2437
18.2	0.3895	0.0042	3.2171	3.2213
18.2333	0.3779	0.0305	3.225	3.2555
18.2667	0.3615	0.0174	3.2158	3.2332
18.3	0.3404	0.0042	3.2026	3.2069
18.3333	0.3315	0.0305	3.2	3.2305
18.3667	0.3144	0.0174	3.1895	3.2069
18.4	0.3042	0.0174	3.179	3.1963
18.4333	0.2933	0.0305	3.1737	3.2042
18.4667	0.2812	0.0042	3.1579	3.1621
18.5	0.269	0.0174	3.1422	3.1595
18.5333	0.2608	0.0042	3.1264	3.1306
18.5667	0.2492	0.0042	3.1053	3.1095
18.6	0.2525	0.0174	3.0922	3.1095

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
18.6333	0.2779	0.0174	3.0777	3.0951
18.6667	0.3029	0.0042	3.0698	3.074
18.7	0.3375	0.0042	3.0606	3.0648
18.7333	0.3753	0.0174	3.0659	3.0832
18.7667	0.4128	0.0174	3.0659	3.0832
18.8	0.4484	0.0174	3.0738	3.0911
18.8333	0.4859	0.0042	3.0843	3.0885
18.8667	0.5228	0.0042	3.1014	3.1056
18.9	0.5544	0.0174	3.1237	3.1411
18.9333	0.5906	0.0174	3.1382	3.1556
18.9667	0.6219	0.0042	3.1698	3.174
19	0.6656	0.0042	3.1921	3.1963
19.0333	0.7068	0.0305	3.2237	3.2542
19.0667	0.7466	0.0305	3.2592	3.2897
19.1	0.7907	0	3.2934	3.2934
19.1333	0.8259	0.0174	3.3341	3.3515
19.1667	0.8615	0.0305	3.3736	3.4041
19.2	0.9007	0.0042	3.417	3.4212
19.2333	0.9375	0.0174	3.4577	3.4751
19.2667	0.9737	0.0174	3.5077	3.5251
19.3	1.0053	0.0042	3.5551	3.5593
19.3333	1.0396	0.0305	3.5985	3.629
19.3667	1.0685	0.0174	3.651	3.6684
19.4	1.1034	0.0174	3.7063	3.7236
19.4333	1.1311	0.0042	3.7536	3.7578
19.4667	1.1676	0.0174	3.8115	3.8288
19.5	1.2032	0.0174	3.8693	3.8867
19.5333	1.2506	0.0174	3.9154	3.9327
19.5667	1.2891	0.0174	3.9824	3.9998
19.6	1.3421	0.0174	4.0363	4.0537
19.6333	1.3641	0.0174	4.0968	4.1142
19.6667	1.3852	0.0174	4.1639	4.1812
19.7	1.397	0.0174	4.2244	4.2417
19.7333	1.3961	0.0174	4.2796	4.297
19.7667	1.3845	0.0174	4.3348	4.3522
19.8	1.3868	0.0174	4.3874	4.4048
19.8333	1.4079	0.0042	4.4506	4.4548
19.8667	1.4431	0.0174	4.5005	4.5179
19.9	1.4612	0.0042	4.5584	4.5626
19.9333	1.476	0.0305	4.6162	4.6467
19.9667	1.4905	0.0174	4.678	4.6954
20	1.5053	0	4.7333	4.7333
20.0333	1.5218	0.0042	4.7938	4.798

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
20.0667	1.5356	0.0042	4.849	4.8532
20.1	1.5481	0.0174	4.9003	4.9176
20.1333	1.5672	0.0174	4.9476	4.965
20.1667	1.5774	0.0437	5.0147	5.0583
20.2	1.5932	0.0174	5.062	5.0794
20.2333	1.6054	0.0042	5.1172	5.1215
20.2667	1.6163	0.0042	5.1777	5.1819
20.3	1.6308	0.0305	5.2277	5.2582
20.3333	1.6406	0.0042	5.2948	5.299
20.3667	1.6521	0.0174	5.3434	5.3608
20.4	1.662	0.0042	5.3987	5.4029
20.4333	1.6673	0.0042	5.4565	5.4607
20.4667	1.666	0.0174	5.5091	5.5265
20.5	1.6676	0.0174	5.567	5.5843
20.5333	1.6689	0.0042	5.6183	5.6225
20.5667	1.6749	0.0042	5.6708	5.6751
20.6	1.6755	0.0042	5.7195	5.7237
20.6333	1.6749	0.0042	5.7576	5.7618
20.6667	1.6791	0.0042	5.8063	5.8105
20.7	1.6788	0.0174	5.8471	5.8644
20.7333	1.6735	0.0042	5.8931	5.8973
20.7667	1.665	0.0174	5.9325	5.9499
20.8	1.6591	0.0042	5.9693	5.9736
20.8333	1.6515	0.0174	6.0088	6.0262
20.8667	1.6436	0.0305	6.0496	6.0801
20.9	1.641	0.0174	6.0903	6.1077
20.9333	1.636	0.0042	6.1245	6.1287
20.9667	1.6301	0.0174	6.1745	6.1918
21	1.6232	0.0042	6.1968	6.201
21.0333	1.6186	0.0042	6.2389	6.2431
21.0667	1.6123	0.0042	6.2652	6.2694
21.1	1.6153	0.0174	6.2928	6.3102
21.1333	1.6248	0.0042	6.3323	6.3365
21.1667	1.6255	0.0174	6.3612	6.3786
21.2	1.6321	0.0042	6.3941	6.3983
21.2333	1.6383	0.0174	6.4243	6.4417
21.2667	1.6446	0.0174	6.4519	6.4693
21.3	1.6489	0.0174	6.4927	6.5101
21.3333	1.6512	0.0174	6.5256	6.5429
21.3667	1.6548	0.0042	6.5585	6.5627
21.4	1.662	0.0174	6.5966	6.6139
21.4333	1.6637	0.0174	6.6282	6.6455
21.4667	1.6679	0.0437	6.6676	6.7113

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
21.5	1.6693	0.0305	6.6978	6.7284
21.5333	1.6683	0.0174	6.7347	6.752
21.5667	1.6633	0.0305	6.7623	6.7928
21.6	1.6617	0.0174	6.7938	6.8112
21.6333	1.6581	0.0174	6.8188	6.8362
21.6667	1.6568	0.0305	6.857	6.8875
21.7	1.6518	0.0174	6.878	6.8954
21.7333	1.6489	0.0174	6.9096	6.9269
21.7667	1.6475	0.0174	6.9293	6.9466
21.8	1.6419	0	6.9661	6.9661
21.8333	1.6436	0.0042	6.9819	6.9861
21.8667	1.6387	0.0042	7.0161	7.0203
21.9	1.6373	0.0042	7.0345	7.0387
21.9333	1.6387	0.0042	7.0581	7.0624
21.9667	1.6367	0.0042	7.0844	7.0887
22	1.6363	0.0042	7.1029	7.1071
22.0333	1.6436	0.0305	7.137	7.1676
22.0667	1.6466	0.0305	7.1581	7.1886
22.1	1.6485	0.0042	7.1752	7.1794
22.1333	1.6485	0.0042	7.2015	7.2057
22.1667	1.6538	0.0174	7.2238	7.2412
22.2	1.6577	0.0305	7.2396	7.2701
22.2333	1.6581	0.0174	7.2672	7.2846
22.2667	1.6614	0.0305	7.287	7.3175
22.3	1.6584	0.0042	7.3001	7.3043
22.3333	1.6627	0.0042	7.3356	7.3398
22.3667	1.6647	0.0174	7.3527	7.3701
22.4	1.6663	0.0174	7.3764	7.3937
22.4333	1.6683	0.0174	7.3935	7.4108
22.4667	1.6703	0.0174	7.4119	7.4292
22.5	1.6699	0.0174	7.4448	7.4621
22.5333	1.6716	0.0042	7.4697	7.4739
22.5667	1.6755	0.0042	7.4895	7.4937
22.6	1.6729	0.0042	7.5052	7.5094
22.6333	1.6653	0.0042	7.5276	7.5318
22.6667	1.663	0.0174	7.5473	7.5647
22.7	1.6577	0.0042	7.5539	7.5581
22.7333	1.6528	0.0174	7.5815	7.5989
22.7667	1.6515	0.0042	7.6039	7.6081
22.8	1.6492	0.0174	7.6275	7.6449
22.8333	1.6413	0.0042	7.6328	7.637
22.8667	1.639	0.0174	7.6499	7.6672
22.9	1.638	0.0042	7.6683	7.6725

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
22.9333	1.6337	0.0174	7.6788	7.6962
22.9667	1.6301	0.0174	7.692	7.7093
23	1.6308	0.0174	7.7183	7.7356
23.0333	1.6245	0.0305	7.734	7.7646
23.0667	1.6215	0.0174	7.7446	7.7619
23.1	1.6205	0.0174	7.763	7.7803
23.1333	1.6229	0.0174	7.7761	7.7935
23.1667	1.6196	0.0174	7.7919	7.8093
23.2	1.6173	0.0174	7.8077	7.825
23.2333	1.6146	0	7.8143	7.8143
23.2667	1.6117	0.0042	7.8248	7.829
23.3	1.608	0.0174	7.8392	7.8566
23.3333	1.6071	0.0042	7.8537	7.8579
23.3667	1.6064	0.0174	7.8669	7.8842
23.4	1.6044	0.0174	7.8787	7.896
23.4333	1.609	0.0305	7.8932	7.9237
23.4667	1.613	0.0042	7.9024	7.9066
23.5	1.6163	0.0174	7.9076	7.925
23.5333	1.6202	0.0174	7.9234	7.9408
23.5667	1.6235	0.0174	7.9379	7.9552
23.6	1.6261	0.0174	7.9497	7.9671
23.6333	1.6281	0.0174	7.9668	7.9842
23.6667	1.6344	0.0174	7.9773	7.9947
23.7	1.637	0.0174	7.9891	8.0065
23.7333	1.6396	0.0174	8.0076	8.0249
23.7667	1.6406	0.0042	8.0233	8.0275
23.8	1.6466	0.0174	8.0312	8.0486
23.8333	1.6472	0.0174	8.0523	8.0696
23.8667	1.6469	0.0042	8.0536	8.0578
23.9	1.6502	0.0174	8.0746	8.092
23.9333	1.6505	0.0042	8.0838	8.088
23.9667	1.6554	0.0042	8.1075	8.1117
24	1.6571	0.0042	8.1075	8.1117
24.0333	1.6571	0.0305	8.1272	8.1577
24.0667	1.6597	0.0174	8.1364	8.1538
24.1	1.6633	0.0042	8.1575	8.1617
24.1333	1.663	0.0042	8.1772	8.1814
24.1667	1.6643	0.0042	8.1825	8.1867
24.2	1.6633	0.0305	8.1982	8.2287
24.2333	1.6653	0.0042	8.214	8.2182
24.2667	1.6653	0.0174	8.2245	8.2419
24.3	1.667	0.0174	8.2416	8.259
24.3333	1.6689	0.0174	8.2416	8.259

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
24.3667	1.6719	0.0174	8.2574	8.2748
24.4	1.6709	0.0174	8.2679	8.2853
24.4333	1.6716	0.0174	8.2824	8.2997
24.4667	1.6739	0.0174	8.2955	8.3129
24.5	1.6742	0.0042	8.3021	8.3063
24.5333	1.6683	0.0174	8.3139	8.3313
24.5667	1.6614	0.0042	8.3258	8.33
24.6	1.6597	0.0042	8.3442	8.3484
24.6333	1.6525	0.0174	8.3468	8.3642
24.6667	1.6459	0.0305	8.3573	8.3878
24.7	1.6416	0.0174	8.3705	8.3878
24.7333	1.6393	0.0174	8.381	8.3984
24.7667	1.637	0.0305	8.3915	8.422
24.8	1.6327	0.0305	8.3955	8.426
24.8333	1.6278	0.0174	8.3994	8.4168
24.8667	1.6252	0.0305	8.4073	8.4378
24.9	1.6212	0.0174	8.4218	8.4391
24.9333	1.6179	0.0174	8.431	8.4483
24.9667	1.6215	0.0174	8.4336	8.451
25	1.6209	0.0042	8.4454	8.4497
25.0333	1.6209	0.0174	8.452	8.4694
25.0667	1.6268	0.0174	8.4625	8.4799
25.1	1.6245	0.0174	8.4665	8.4838
25.1333	1.6284	0.0174	8.4744	8.4917
25.1667	1.6291	0.0174	8.4823	8.4996
25.2	1.6304	0.0042	8.4875	8.4917
25.2333	1.6344	0.0174	8.498	8.5154
25.2667	1.641	0.0042	8.5125	8.5167
25.3	1.6393	0.0174	8.5099	8.5272
25.3333	1.6462	0.0174	8.5243	8.5417
25.3667	1.6489	0.0042	8.5257	8.5299
25.4	1.6521	0.0174	8.5414	8.5588
25.4333	1.6535	0.0174	8.5414	8.5588
25.4667	1.6571	0.0305	8.552	8.5825
25.5	1.6604	0.0174	8.5625	8.5798
25.5333	1.661	0.0174	8.5717	8.589
25.5667	1.6535	0.0174	8.5875	8.6048
25.6	1.6413	0.0174	8.5875	8.6048
25.6333	1.6387	0.0174	8.598	8.6153
25.6667	1.6275	0.0305	8.6019	8.6324
25.7	1.6196	0.0174	8.6124	8.6298
25.7333	1.6136	0.0042	8.6151	8.6193
25.7667	1.608	0.0174	8.623	8.6403

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
25.8	1.5995	0.0174	8.6322	8.6495
25.8333	1.5939	0.0174	8.6269	8.6443
25.8667	1.5853	0.0174	8.6243	8.6416
25.9	1.5274	0.0174	8.6348	8.6522
25.9333	1.4711	0.0042	8.6269	8.6311
25.9667	1.4135	0.0174	8.6072	8.6245
26	1.3569	0.0042	8.6111	8.6153
26.0333	1.3016	0.0174	8.5888	8.6061
26.0667	1.2519	0.0305	8.5848	8.6153
26.1	1.2048	0.0305	8.5612	8.5917
26.1333	1.1689	0.0042	8.1312	8.1354
26.1667	1.1373	0.0174	7.6617	7.6791
26.2	1.1103	0	7.2593	7.2593
26.2333	1.0906	0.0174	6.5769	6.5942
26.2667	1.0659	0.0042	5.9917	5.9959
26.3	1.0448	0.0305	5.4486	5.4791
26.3333	1.0208	0.0042	4.9476	4.9518
26.3667	0.9978	0.0042	4.4782	4.4824
26.4	0.9774	0.0174	4.014	4.0313
26.4333	0.9537	0.0174	3.605	3.6224
26.4667	0.9296	0.0174	3.2263	3.2437
26.5	0.9043	0.0174	2.9291	2.9465
26.5333	0.8796	0.0174	2.5899	2.6072
26.5667	0.8615	0.0174	2.2901	2.3074
26.6	0.8355	0.0174	2.0126	2.03
26.6333	0.8101	0.0174	1.7627	1.7801
26.6667	0.7848	0.0042	1.5563	1.5605
26.7	0.7614	0.0305	1.3801	1.4106
26.7333	0.7292	0.0042	1.4892	1.4934
26.7667	0.6962	0.0174	1.6996	1.717
26.8	0.6673	0.0174	1.8706	1.8879
26.8333	0.6324	0.0174	2.01	2.0273
26.8667	0.6077	0.0305	2.1336	2.1641
26.9	0.5784	0.0042	2.248	2.2522
26.9333	0.5504	0	2.3466	2.3466
26.9667	0.5241	0.0305	2.4281	2.4586
27	0.503	0.0174	2.511	2.5283
27.0333	0.4741	0	2.5754	2.5754
27.0667	0.454	0.0174	2.6398	2.6572
27.1	0.4313	0.0174	2.6885	2.7058
27.1333	0.4062	0.0174	2.7477	2.765
27.1667	0.3911	0.0174	2.7911	2.8084
27.2	0.3694	0.0174	2.8331	2.8505

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
27.2333	0.3519	0.0042	2.8686	2.8728
27.2667	0.3338	0.0042	2.9002	2.9044
27.3	0.317	0.0174	2.9291	2.9465
27.3333	0.2963	0	2.9475	2.9475
27.3667	0.298	0.0174	2.7477	2.765
27.4	0.3197	0.0174	2.2598	2.2772
27.4333	0.3391	0.0174	1.8416	1.859
27.4667	-0.0483	0.0174	1.4998	1.5171
27.5	-0.0408	0.0305	1.2197	1.2502
27.5333	-0.0355	0.0174	0.9856	1.003
27.5667	-0.0243	0.0042	0.7923	0.7965
27.6	-0.0227	0.0042	0.6463	0.6505
27.6333	-0.0194	0.0174	0.5635	0.5808
27.6667	-0.0197	0.0042	0.4872	0.4914
27.7	-0.0174	0.0042	0.4622	0.4664
27.7333	-0.021	0.0042	0.5267	0.5309
27.7667	-0.0184	0.0174	0.002	0.0194
27.8	-0.0075	0.0174	0.0007	0.018
27.8333	-0.0046	0.0174	0.002	0.0194
27.8667	-0.0059	0.0174	0.0033	0.0207
27.9	-0.0055	0.0437	0.002	0.0457
27.9333	-0.0088	0.0305	0.002	0.0325
27.9667	-0.0036	0.0174	0.002	0.0194
28	-0.0032	0.0305	0.002	0.0325
28.0333	-0.0026	0.0042	0.0007	0.0049
28.0667	-0.0046	0.0042	0.002	0.0062
28.1	-0.0036	0.0042	0.0033	0.0075
28.1333	-0.0009	0.0174	0.002	0.0194
28.1667	-0.0026	0.0042	0.002	0.0062
28.2	-0.0003	0.0174	0.0007	0.018
28.2333	-0.0003	0.0042	0.0007	0.0049
28.2667	0.002	0.0042	0.0033	0.0075
28.3	-0.0003	0.0437	0.0007	0.0443
28.3333	-0.0009	0.0305	0.002	0.0325
28.3667	-0.0009	0.0305	0.0033	0.0338
28.4	0.001	0.0042	0.002	0.0062
28.4333	-0.0009	0.0305	0.0033	0.0338
28.4667	0.001	0.0042	0	0.0042
28.5	0.0017	0.0174	0.0033	0.0207
28.5333	-0.0009	0.0174	0.0007	0.018
28.5667	-0.0006	0.0305	0.002	0.0325
28.6	0.0007	0.0174	0.0007	0.018
28.6333	-0.0003	0.0042	0	0.0042

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
28.6667	-0.0006	0.0174	0.0033	0.0207
28.7	0.0004	0.0437	0.002	0.0457
28.7333	-0.0036	0.0042	0.002	0.0062
28.7667	0.0001	0.0174	0.0033	0.0207
28.8	-0.0013	0.0042	0	0.0042
28.8333	0.0001	0.0042	0	0.0042
28.8667	-0.0009	0.0305	0.002	0.0325
28.9	-0.0029	0	0.0007	0.0007
28.9333	-0.0032	0.0042	0.0007	0.0049
28.9667	-0.0022	0.0042	0.0007	0.0049
29	-0.0026	0.0174	0.0007	0.018
29.0333	-0.0029	0.0174	0.002	0.0194
29.0667	-0.0006	0.0174	0.0007	0.018
29.1	-0.0006	0.0042	0.002	0.0062
29.1333	0.0014	0.0174	0.8791	0.8964
29.1667	-0.0299	0.0042	1.3512	1.3554
29.2	-0.0371	0.0042	1.388	1.3922
29.2333	-0.0427	0.0305	1.4222	1.4527
29.2667	-0.0414	0.0042	1.4748	1.479
29.3	-0.0437	0.0174	1.5076	1.525
29.3333	-0.0457	0.0042	1.5524	1.5566
29.3667	-0.0503	0.0174	1.5971	1.6144
29.4	-0.047	0.0042	0.0033	0.0075
29.4333	-0.0467	0.0174	0.002	0.0194
29.4667	-0.0385	0.0174	0.0033	0.0207
29.5	-0.0309	0.0042	0.002	0.0062
29.5333	-0.0269	0.0042	0	0.0042
29.5667	-0.019	0.0042	0.002	0.0062
29.6	-0.0134	0.0174	0.0033	0.0207
29.6333	-0.0111	0.0174	0.0033	0.0207
29.6667	-0.0088	0.0174	0	0.0174
29.7	-0.0088	0.0174	0.002	0.0194
29.7333	-0.0085	0.0174	0.002	0.0194
29.7667	-0.0118	0.0042	0.002	0.0062
29.8	-0.0128	0.0174	0.0007	0.018
29.8333	-0.0151	0.0174	0.002	0.0194
29.8667	-0.0151	0.0174	0.002	0.0194
29.9	-0.0151	0.0174	0.0007	0.018
29.9333	-0.019	0.0174	0.0046	0.022
29.9667	-0.0204	0.0305	0.0007	0.0312
30	-0.0204	0.0174	0.0007	0.018
30.0333	-0.0223	0.0042	0.002	0.0062
30.0667	-0.0236	0.0042	0.002	0.0062

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
30.1	0.0057	0	0.002	0.002
30.1333	0.057	0.0174	0.8265	0.8438
30.1667	0.107	0.0174	0.8278	0.8452
30.2	0.1551	0.0174	0.8436	0.8609
30.2333	0.2032	0.0174	0.9225	0.9398
30.2667	0.2469	0.0042	1.0014	1.0056
30.3	0.2894	0.0174	1.0816	1.0989
30.3333	0.3292	0	1.1618	1.1618
30.3667	0.371	0.0042	1.246	1.2502
30.4	0.4112	0.0174	1.3249	1.3422
30.4333	0.4451	0.0042	1.4051	1.4093
30.4667	0.4803	0.0174	1.4905	1.5079
30.5	0.5172	0.0174	1.5773	1.5947
30.5333	0.5517	0.0174	1.6536	1.671
30.5667	0.5833	0.0042	1.7364	1.7407
30.6	0.6153	0.0174	1.8193	1.8366
30.6333	0.6495	0.0174	1.9048	1.9221
30.6667	0.6781	0.0042	1.9837	1.9879
30.7	0.7078	0.0042	2.0665	2.0707
30.7333	0.739	0.0042	2.152	2.1562
30.7667	0.7654	0.0174	2.2282	2.2456
30.8	0.7914	0.0042	2.3071	2.3114
30.8333	0.8194	0.0174	2.3808	2.3981
30.8667	0.846	0.0174	2.4715	2.4889
30.9	0.8704	0.0174	2.5438	2.5612
30.9333	0.898	0.0042	2.6241	2.6283
30.9667	0.9184	0.0174	2.6951	2.7124
31	0.9408	0.0174	2.7726	2.79
31.0333	0.9625	0.0174	2.8476	2.865
31.0667	0.9853	0.0042	2.9226	2.9268
31.1	1.0073	0.0042	2.9962	3.0004
31.1333	1.03	0.0305	3.0633	3.0938
31.1667	1.0498	0.0174	3.1422	3.1595
31.2	1.0702	0.0174	3.2132	3.2305
31.2333	1.0889	0.0174	3.2815	3.2989
31.2667	1.1094	0.0042	3.3473	3.3515
31.3	1.1271	0.0305	3.417	3.4475
31.3333	1.1419	0.0174	3.4827	3.5001
31.3667	1.1643	0.0174	3.5498	3.5672
31.4	1.1814	0.0437	3.6142	3.6579
31.4333	1.1982	0.0174	3.6747	3.6921
31.4667	1.2117	0.0305	3.7418	3.7723
31.5	1.2305	0.0042	3.8036	3.8078

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
31.5333	1.2489	0.0042	3.8601	3.8643
31.5667	1.2595	0.0174	3.9246	3.9419
31.6	1.2762	0.0042	3.9798	3.984
31.6333	1.2881	0.0042	4.0377	4.0419
31.6667	1.3013	0.0042	4.106	4.1102
31.7	1.3194	0.0174	4.1626	4.1799
31.7333	1.3302	0.0042	4.2231	4.2273
31.7667	1.3457	0.0174	4.2757	4.293
31.8	1.3582	0.0174	4.3348	4.3522
31.8333	1.3694	0.0174	4.4072	4.4245
31.8667	1.3819	0.0042	4.4703	4.4745
31.9	1.3924	0.0305	4.5426	4.5731
31.9333	1.4013	0.0174	4.6084	4.6257
31.9667	1.4145	0.0174	4.6794	4.6967
32	1.4224	0.0042	4.7412	4.7454
32.0333	1.4309	0.0042	4.8082	4.8124
32.0667	1.4418	0.0174	4.8674	4.8848
32.1	1.4504	0.0042	4.9292	4.9334
32.1333	1.4586	0.0305	4.9936	5.0241
32.1667	1.4688	0.0174	5.0581	5.0754
32.2	1.479	0.0174	5.1278	5.1451
32.2333	1.4846	0.0174	5.1883	5.2056
32.2667	1.4945	0.0174	5.2474	5.2648
32.3	1.5027	0.0174	5.3092	5.3266
32.3333	1.5099	0.0174	5.3724	5.3897
32.3667	1.5169	0.0174	5.4263	5.4436
32.4	1.5254	0.0174	5.492	5.5094
32.4333	1.5327	0.0174	5.5446	5.562
32.4667	1.5356	0.0174	5.5985	5.6159
32.5	1.5448	0.0305	5.6524	5.6829
32.5333	1.5531	0.0174	5.6998	5.7171
32.5667	1.5606	0.0174	5.7524	5.7697
32.6	1.5616	0.0305	5.801	5.8315
32.6333	1.5685	0.0305	5.8563	5.8868
32.6667	1.5745	0.0174	5.9036	5.921
32.7	1.5814	0.0174	5.9509	5.9683
32.7333	1.585	0.0305	5.9996	6.0301
32.7667	1.5909	0.0174	6.043	6.0603
32.8	1.5942	0.0042	6.093	6.0972
32.8333	1.5992	0.0174	6.1403	6.1577
32.8667	1.6061	0.0305	6.1929	6.2234
32.9	1.61	0.0305	6.2429	6.2734
32.9333	1.612	0.0174	6.2797	6.297

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
32.9667	1.6186	0.0174	6.3204	6.3378
33	1.6258	0.0305	6.3638	6.3943
33.0333	1.6242	0.0174	6.4164	6.4338
33.0667	1.6301	0.0305	6.4493	6.4798
33.1	1.6337	0.0305	6.5006	6.5311
33.1333	1.6396	0.0174	6.5374	6.5548
33.1667	1.6429	0.0042	6.5834	6.5876
33.2	1.6452	0.0174	6.6216	6.6389
33.2333	1.6495	0.0042	6.6715	6.6758
33.2667	1.6512	0	6.7123	6.7123
33.3	1.6525	0.0174	6.7544	6.7717
33.3333	1.6515	0.0305	6.7925	6.823
33.3667	1.6396	0	6.8385	6.8385
33.4	1.6258	0.0174	6.8793	6.8967
33.4333	1.612	0.0042	6.9096	6.9138
33.4667	1.6015	0.0174	6.9477	6.965
33.5	1.588	0.0174	6.9792	6.9966
33.5333	1.5751	0.0305	7.0108	7.0413
33.5667	1.5643	0.0042	7.0424	7.0466
33.6	1.5527	0.0042	7.0739	7.0781
33.6333	1.5445	0.0042	7.1042	7.1084
33.6667	1.5439	0.0042	7.1357	7.1399
33.7	1.5442	0.0042	7.1568	7.161
33.7333	1.5448	0.0042	7.1844	7.1886
33.7667	1.5455	0.0174	7.2107	7.228
33.8	1.5541	0.0174	7.2462	7.2635
33.8333	1.5564	0.0042	7.2725	7.2767
33.8667	1.5636	0.0174	7.3027	7.3201
33.9	1.5682	0.0174	7.3264	7.3438
33.9333	1.5778	0.0042	7.3566	7.3609
33.9667	1.5837	0	7.3764	7.3764
34	1.5889	0.0174	7.3974	7.4148
34.0333	1.5995	0.0305	7.4395	7.47
34.0667	1.608	0.0174	7.4605	7.4779
34.1	1.6113	0.0174	7.4895	7.5068
34.1333	1.6202	0.0174	7.5223	7.5397
34.1667	1.6245	0.0042	7.5486	7.5528
34.2	1.6288	0.0174	7.571	7.5883
34.2333	1.636	0.0042	7.6025	7.6068
34.2667	1.6252	0.0042	7.6328	7.637
34.3	1.6202	0.0305	7.6473	7.6778
34.3333	1.6225	0.0042	7.6867	7.6909
34.3667	1.6252	0.0305	7.7091	7.7396

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
34.4	1.6258	0.0042	7.7275	7.7317
34.4333	1.6268	0.0305	7.7577	7.7882
34.4667	1.6308	0.0174	7.7866	7.804
34.5	1.6301	0.0042	7.8116	7.8158
34.5333	1.6327	0.0042	7.8353	7.8395
34.5667	1.638	0.0437	7.8537	7.8974
34.6	1.6347	0.0042	7.8774	7.8816
34.6333	1.636	0.0042	7.9063	7.9105
34.6667	1.6383	0.0174	7.9352	7.9526
34.7	1.6393	0.0305	7.9615	7.992
34.7333	1.6449	0.0174	7.9734	7.9907
34.7667	1.6446	0.0042	8.0049	8.0091
34.8	1.6406	0.0174	8.022	8.0394
34.8333	1.636	0.0174	8.0431	8.0604
34.8667	1.6304	0.0174	8.0746	8.092
34.9	1.6278	0.0174	8.093	8.1104
34.9333	1.6215	0.0174	8.1088	8.1262
34.9667	1.615	0.0042	8.1259	8.1301
35	1.61	0.0042	8.1535	8.1577
35.0333	1.6103	0.0174	8.1693	8.1867
35.0667	1.6074	0.0174	8.1917	8.209
35.1	1.6028	0.0042	8.2035	8.2077
35.1333	1.5998	0.0042	8.235	8.2393
35.1667	1.6011	0.0174	8.239	8.2564
35.2	1.5998	0.0042	8.2679	8.2721
35.2333	1.5988	0.0174	8.2811	8.2984
35.2667	1.5995	0.0174	8.3074	8.3247
35.3	1.6024	0.0174	8.3087	8.326
35.3333	1.6011	0.0305	8.3416	8.3721
35.3667	1.6028	0.0042	8.36	8.3642
35.4	1.6038	0	8.3521	8.3521
35.4333	1.6047	0.0174	8.3784	8.3957
35.4667	1.6057	0.0174	8.3942	8.4115
35.5	1.6084	0.0042	8.4099	8.4141
35.5333	1.6074	0.0174	8.4284	8.4457
35.5667	1.6094	0	8.4481	8.4481
35.6	1.61	0.0042	8.4625	8.4667
35.6333	1.6136	0.0437	8.4691	8.5128
35.6667	1.6176	0.0305	8.4888	8.5193
35.7	1.6173	0.0042	8.5125	8.5167
35.7333	1.6222	0.0174	8.5349	8.5522
35.7667	1.6235	0.0174	8.5454	8.5627
35.8	1.6291	0.0305	8.5585	8.589

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
35.8333	1.6327	0.0305	8.5783	8.6088
35.8667	1.6311	0.0042	8.5967	8.6009
35.9	1.635	0.0042	8.6072	8.6114
35.9333	1.6393	0.0174	8.6282	8.6456
35.9667	1.6383	0.0174	8.6387	8.6561
36	1.6439	0.0042	8.6545	8.6587
36.0333	1.6426	0.0174	8.6782	8.6956
36.0667	1.6452	0.0174	8.6861	8.7034
36.1	1.6469	0.0042	8.7006	8.7048
36.1333	1.6433	0.0042	8.719	8.7232
36.1667	1.6429	0.0174	8.7282	8.7455
36.2	1.6413	0.0042	8.7545	8.7587
36.2333	1.6387	0.0174	8.7729	8.7902
36.2667	1.6373	0.0042	8.7768	8.781
36.3	1.6396	0.0174	8.7979	8.8152
36.3333	1.6373	0.0042	8.8084	8.8126
36.3667	1.634	0	8.8176	8.8176
36.4	1.6331	0.0174	8.836	8.8534
36.4333	1.6334	0.0174	8.8439	8.8612
36.4667	1.6311	0.0042	8.8623	8.8665
36.5	1.6281	0.0174	8.8833	8.9007
36.5333	1.6275	0	8.8912	8.8912
36.5667	1.6278	0.0042	8.9017	8.9059
36.6	1.6294	0.0174	8.907	8.9244
36.6333	1.6311	0.0174	8.9267	8.9441
36.6667	1.6281	0.0305	8.9359	8.9664
36.7	1.6265	0.0174	8.9465	8.9638
36.7333	1.6265	0.0174	8.953	8.9704
36.7667	1.6252	0.0305	8.9662	8.9967
36.8	1.6245	0.0042	8.9885	8.9927
36.8333	1.6202	0.0042	8.9977	9.0019
36.8667	1.6235	0.0174	9.0043	9.0217
36.9	1.6209	0.0305	9.0122	9.0427
36.9333	1.6225	0.0042	9.028	9.0322
36.9667	1.6222	0	9.0372	9.0372
37	1.6225	0.0174	9.0516	9.069
37.0333	1.6202	0.0437	9.0648	9.1085
37.0667	1.6212	0.0174	9.0766	9.094
37.1	1.6196	0	9.0819	9.0819
37.1333	1.6169	0.0174	9.0858	9.1032
37.1667	1.6199	0.0042	9.0964	9.1006
37.2	1.6196	0.0174	9.1029	9.1203
37.2333	1.6173	0.0042	9.1253	9.1295

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
37.2667	1.6173	0.0174	9.1279	9.1453
37.3	1.6146	0.0305	9.1292	9.1597
37.3333	1.6153	0.0174	9.1384	9.1558
37.3667	1.6153	0.0042	9.1476	9.1519
37.4	1.615	0.0042	9.1595	9.1637
37.4333	1.6136	0.0174	9.1674	9.1847
37.4667	1.6163	0.0042	9.1805	9.1847
37.5	1.613	0.0305	9.191	9.2215
37.5333	1.6143	0.0437	9.2002	9.2439
37.5667	1.6173	0.0042	9.1963	9.2005
37.6	1.6143	0.0174	9.2081	9.2255
37.6333	1.6123	0.0174	9.2318	9.2492
37.6667	1.6153	0.0042	9.2384	9.2426
37.7	1.6163	0.0042	9.2226	9.2268
37.7333	1.6182	0	9.2397	9.2397
37.7667	1.6156	0.0174	9.2384	9.2557
37.8	1.6186	0.0042	9.2476	9.2518
37.8333	1.6215	0	9.2542	9.2542
37.8667	1.6199	0.0174	9.2778	9.2952
37.9	1.6199	0.0042	9.2831	9.2873
37.9333	1.6219	0.0042	9.2857	9.2899
37.9667	1.6242	0.0174	9.2936	9.311
38	1.6238	0.0042	9.2989	9.3031
38.0333	1.6242	0.0042	9.3054	9.3096
38.0667	1.6248	0.0042	9.3199	9.3241
38.1	1.6248	0.0174	9.3291	9.3465
38.1333	1.6261	0.0174	9.3317	9.3491
38.1667	1.6255	0.0305	9.3396	9.3701
38.2	1.6284	0.0174	9.3594	9.3767
38.2333	1.6298	0.0042	9.3567	9.3609
38.2667	1.6311	0.0042	9.3672	9.3715
38.3	1.6284	0.0174	9.362	9.3793
38.3333	1.6324	0.0042	9.3686	9.3728
38.3667	1.6321	0.0174	9.3791	9.3964
38.4	1.5978	0.0042	9.3857	9.3899
38.4333	1.5363	0.0042	9.3922	9.3964
38.4667	1.4751	0.0042	9.387	9.3912
38.5	1.4165	0.0042	9.3699	9.3741
38.5333	1.3625	0.0042	9.3751	9.3793
38.5667	1.3095	0.0174	9.3515	9.3688
38.6	1.2578	0.0174	9.3396	9.357
38.6333	1.2173	0.0042	9.1437	9.1479
38.6667	1.1874	0.0174	8.6072	8.6245

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
38.7	1.1597	0.0042	8.122	8.1262
38.7333	1.1288	0.0174	7.6617	7.6791
38.7667	1.1024	0.0174	7.2344	7.2517
38.8	1.0751	0.0174	6.7886	6.8059
38.8333	1.0468	0.0042	6.3823	6.3865
38.8667	1.0231	0.0174	5.9956	6.013
38.9	0.9925	0.0042	5.7077	5.7119
38.9333	0.9695	0.0042	5.3894	5.3937
38.9667	0.9395	0.0042	5.1698	5.1741
39	0.9178	0.0305	4.8003	4.8308
39.0333	0.8974	0.0174	4.4085	4.4258
39.0667	0.876	0.0305	4.0824	4.1129
39.1	0.844	0.0042	3.9246	3.9288
39.1333	0.819	0.0305	3.8733	3.9038
39.1667	0.7907	0.0042	3.8273	3.8315
39.2	0.7614	0.0174	3.7615	3.7789
39.2333	0.7328	0.0174	3.7115	3.7289
39.2667	0.7071	0.0305	3.6708	3.7013
39.3	0.6808	0.0042	3.6484	3.6526
39.3333	0.6535	0.0174	3.6313	3.6487
39.3667	0.6301	0.0042	3.5235	3.5277
39.4	0.6156	0.0042	3.25	3.2542
39.4333	0.6057	0.0042	2.8108	2.815
39.4667	0.5899	0.0042	2.4242	2.4284
39.5	0.5748	0.0174	2.102	2.1194
39.5333	0.5636	0.0174	1.8259	1.8432
39.5667	0.5445	0.0174	1.7101	1.7275
39.6	0.5271	0.0305	1.5681	1.5986
39.6333	0.5109	0.0042	1.4209	1.4251
39.6667	0.4931	0.0174	1.3328	1.3501
39.7	0.4764	0.0174	1.292	1.3093
39.7333	0.456	0.0042	1.3709	1.3751
39.7667	0.4332	0.0174	1.5076	1.525
39.8	0.4099	0.0042	1.6181	1.6223
39.8333	0.3881	0.0042	1.722	1.7262
39.8667	0.373	0.0174	1.8075	1.8248
39.9	0.3516	0.0042	1.8811	1.8853
39.9333	0.3371	0.0042	1.9482	1.9524
39.9667	0.3151	0.0174	2.0126	2.03
40	0.3006	0.0174	2.0718	2.0891
40.0333	0.2848	0.0174	2.1204	2.1378
40.0667	0.2687	0.0174	2.1691	2.1864
40.1	0.2538	0.0174	2.2125	2.2298

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
40.1333	0.2387	0.0305	2.248	2.2785
40.1667	0.2249	0.0174	2.2795	2.2969
40.2	0.2114	0.0042	2.3124	2.3166
40.2333	0.2018	0.0042	2.1231	2.1273
40.2667	0.1989	0.0174	1.9166	1.934
40.3	0.1903	0.0042	1.7364	1.7407
40.3333	0.186	0.0042	1.6234	1.6276
40.3667	0.1729	0.0042	1.6746	1.6789
40.4	0.161	0.0174	1.7312	1.7485
40.4333	0.1498	0.0042	1.7798	1.7841
40.4667	0.1429	0.0042	1.818	1.8222
40.5	0.1403	0.0042	1.4117	1.4159
40.5333	0.1465	0.0174	1.0264	1.0437
40.5667	0.1432	0.0174	0.716	0.7334
40.6	0.1409	0.0305	0.482	0.5125
40.6333	0.1413	0.0174	0.3189	0.3363
40.6667	0.134	0.0174	0.002	0.0194
40.7	0.1261	0.0042	0	0.0042
40.7333	0.1238	0.0174	0.0007	0.018
40.7667	0.1156	0.0174	0.002	0.0194
40.8	0.1136	0.0174	0.0007	0.018
40.8333	0.1037	0.0042	0.0033	0.0075
40.8667	0.0998	0.0042	0.0033	0.0075
40.9	0.0945	0.0042	0.002	0.0062
40.9333	0.0909	0.0174	0.0007	0.018
40.9667	0.086	0.0305	0.002	0.0325
41	0.0777	0.0042	0.0007	0.0049
41.0333	0.0748	0.0042	0	0.0042
41.0667	0.0705	0.0174	0.0033	0.0207
41.1	0.0652	0.0042	0.002	0.0062
41.1333	0.0596	0.0042	0.0007	0.0049
41.1667	0.0563	0.0305	0.0033	0.0338
41.2	0.0563	0.0042	0.0033	0.0075
41.2333	0.0507	0.0174	0.002	0.0194
41.2667	0.0468	0.0042	0.0033	0.0075
41.3	0.0448	0.0174	0.0033	0.0207
41.3333	0.0405	0.0042	0	0.0042
41.3667	0.0399	0.0174	0.0007	0.018
41.4	0.0356	0.0305	0.002	0.0325
41.4333	0.0333	0.0042	0.002	0.0062
41.4667	0.0303	0.0305	0.002	0.0325
41.5	0.031	0.0174	0.0033	0.0207
41.5333	0.028	0.0042	0.002	0.0062

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
41.5667	0.0234	0.0174	0.0007	0.018
41.6	0.0241	0.0174	0.0007	0.018
41.6333	0.0231	0.0042	0.002	0.0062
41.6667	0.0205	0.0042	0.002	0.0062
41.7	0.0201	0.0174	0.0007	0.018
41.7333	0.0185	0.0042	0.002	0.0062
41.7667	0.0185	0.0174	0.002	0.0194
41.8	0.0155	0.0174	0.0007	0.018
41.8333	0.0116	0.0042	0.002	0.0062
41.8667	0.0132	0.0042	0.0046	0.0088
41.9	0.0103	0.0174	0.0007	0.018
41.9333	0.0099	0.0174	0.002	0.0194
41.9667	0.0116	0.0042	0.0007	0.0049
42	0.0083	0.0174	0.0007	0.018
42.0333	0.0083	0.0174	0.002	0.0194
42.0667	0.0116	0.0042	0.002	0.0062
42.1	0.007	0.0174	0.002	0.0194
42.1333	0.0106	0.0042	0.0007	0.0049
42.1667	0.007	0.0174	0	0.0174
42.2	0.008	0.0305	0.0007	0.0312
42.2333	0.007	0.0174	0.002	0.0194
42.2667	0.0076	0.0174	0.002	0.0194
42.3	0.002	0	0.0033	0.0033
42.3333	0.0057	0.0042	0.002	0.0062
42.3667	0.0047	0.0174	0.0007	0.018
42.4	0.0024	0.0174	0.002	0.0194
42.4333	0.002	0.0042	0.002	0.0062
42.4667	0.0027	0.0174	0.002	0.0194
42.5	0.0004	0.0174	0.002	0.0194
42.5333	-0.0003	0.0174	0.002	0.0194
42.5667	-0.0009	0.0042	0.002	0.0062
42.6	-0.0013	0.0042	0.002	0.0062
42.6333	0.0004	0.0174	0.0007	0.018
42.6667	0.0001	0.0174	0.002	0.0194
42.7	0.0001	0.0174	0.0007	0.018
42.7333	-0.0013	0.0042	0.002	0.0062
42.7667	0.0027	0.0305	0.0033	0.0338
42.8	-0.0026	0.0174	0.0033	0.0207
42.8333	0.0004	0.0042	0.0007	0.0049
42.8667	0.001	0.0042	0.0007	0.0049
42.9	0.0004	0.0042	0.0007	0.0049
42.9333	-0.0003	0.0174	0.002	0.0194
42.9667	-0.0036	0.0174	0.0007	0.018

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
43	0.0001	0.0042	0.0007	0.0049
43.0333	-0.0003	0.0042	0.002	0.0062
43.0667	-0.0022	0.0174	0.0007	0.018
43.1	-0.0009	0.0174	0.0007	0.018
43.1333	0.0001	0.0042	0.002	0.0062
43.1667	-0.0032	0.0305	0.002	0.0325
43.2	-0.0016	0.0174	0.0033	0.0207
43.2333	-0.0016	0.0174	0.002	0.0194
43.2667	-0.0039	0.0042	0.002	0.0062
43.3	-0.0019	0.0174	0.0033	0.0207
43.3333	-0.0029	0.0305	0.002	0.0325
43.3667	-0.0049	0.0305	0.002	0.0325
43.4	-0.0022	0.0174	0.002	0.0194
43.4333	-0.0003	0.0042	0.002	0.0062
43.4667	-0.0026	0.0042	0.0033	0.0075
43.5	-0.0039	0.0305	0.002	0.0325
43.5333	-0.0052	0.0174	0.002	0.0194
43.5667	-0.0029	0.0174	0.0007	0.018
43.6	-0.0039	0.0174	0.002	0.0194
43.6333	-0.0026	0.0174	0.002	0.0194
43.6667	-0.0029	0.0305	0.0007	0.0312
43.7	-0.0013	0.0305	0.0033	0.0338
43.7333	-0.0009	0.0305	0.002	0.0325
43.7667	-0.0039	0.0174	0.0033	0.0207
43.8	-0.0042	0.0174	0.0007	0.018
43.8333	-0.0029	0.0174	0.002	0.0194
43.8667	-0.0013	0.0305	0.002	0.0325
43.9	-0.0036	0.0174	0.002	0.0194
43.9333	0.0007	0.0305	0.002	0.0325
43.9667	-0.0065	0.0174	0.0007	0.018
44	-0.0026	0.0174	0.002	0.0194
44.0333	-0.0062	0.0174	0.0007	0.018
44.0667	-0.0032	0.0042	0.0033	0.0075
44.1	-0.0016	0.0042	0.0007	0.0049
44.1333	-0.0022	0.0174	0.0033	0.0207
44.1667	-0.0032	0.0174	0.0033	0.0207
44.2	-0.0062	0.0042	0.002	0.0062
44.2333	-0.0049	0.0174	0.002	0.0194
44.2667	-0.0062	0.0042	0	0.0042
44.3	-0.0069	0.0305	0.0033	0.0338
44.3333	-0.0144	0.0174	0.0007	0.018
44.3667	-0.0131	0.0174	0.002	0.0194
44.4	-0.0128	0.0174	0.002	0.0194

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
44.4333	-0.0141	0.0174	0.002	0.0194
44.4667	-0.0131	0.0174	0	0.0174
44.5	-0.0151	0.0174	0.0033	0.0207
44.5333	-0.0164	0.0305	0.002	0.0325
44.5667	-0.018	0.0305	0.002	0.0325
44.6	-0.0148	0.0305	0.002	0.0325
44.6333	-0.0177	0.0437	0.002	0.0457
44.6667	-0.0171	0.0042	0.0007	0.0049
44.7	-0.0144	0.0042	0.002	0.0062
44.7333	-0.0164	0.0437	0.0033	0.047
44.7667	-0.0154	0.0042	0.002	0.0062
44.8	-0.0187	0.0174	0.0007	0.018
44.8333	-0.0171	0.0174	0.0007	0.018
44.8667	-0.0184	0.0174	0.0033	0.0207
44.9	-0.0194	0.0174	0.002	0.0194
44.9333	-0.0174	0.0174	0.0033	0.0207
44.9667	-0.0171	0.0174	0.002	0.0194
45	-0.0161	0.0042	0.0033	0.0075
45.0333	-0.0171	0.0174	0.002	0.0194
45.0667	-0.0157	0.0174	0.0033	0.0207
45.1	-0.0111	0.0042	0.0007	0.0049
45.1333	-0.0036	0.0042	0.002	0.0062
45.1667	0.0007	0.0305	0.0033	0.0338
45.2	0.0356	0.0174	0.002	0.0194
45.2333	0.0847	0.0305	0.002	0.0325
45.2667	0.135	0.0174	0.002	0.0194
45.3	0.1791	0.0174	0.0007	0.018
45.3333	0.2239	0.0042	0.002	0.0062
45.3667	0.27	0.0174	0.0007	0.018
45.4	0.3095	0.0042	0.002	0.0062
45.4333	0.3523	0.0174	0.002	0.0194
45.4667	0.3904	0.0174	0.002	0.0194
45.5	0.4267	0.0174	0.002	0.0194
45.5333	0.4652	0.0174	0.002	0.0194
45.5667	0.503	0.0174	0.002	0.0194
45.6	0.5396	0	0.002	0.002
45.6333	0.5745	0.0305	0.002	0.0325
45.6667	0.6051	0.0042	0.0007	0.0049
45.7	0.6386	0.0305	0.002	0.0325
45.7333	0.6683	0.0042	0.002	0.0062
45.7667	0.7022	0.0174	0.0007	0.018
45.8	0.7302	0.0042	0.002	0.0062
45.8333	0.7555	0.0437	0.002	0.0457

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
45.8667	0.7868	0.0305	0.002	0.0325
45.9	0.8128	0.0174	0.002	0.0194
45.9333	0.8381	0.0174	0.002	0.0194
45.9667	0.8618	0.0305	0.0007	0.0312
46	0.8882	0.0174	0.002	0.0194
46.0333	0.9112	0.0042	0.002	0.0062
46.0667	0.9375	0.0042	0.0033	0.0075
46.1	0.9569	0.0042	0.002	0.0062
46.1333	0.9846	0.0042	0.0007	0.0049
46.1667	1.0011	0.0042	0.0033	0.0075
46.2	1.0205	0.0174	0.0007	0.018
46.2333	1.0458	0.0174	0.002	0.0194
46.2667	1.0646	0.0042	0.002	0.0062
46.3	1.0804	0.0174	0.002	0.0194
46.3333	1.1015	0.0174	0.002	0.0194
46.3667	1.1166	0.0042	0.0033	0.0075
46.4	1.134	0.0042	0.002	0.0062
46.4333	1.1505	0.0174	0.0033	0.0207
46.4667	1.167	0.0174	0.002	0.0194
46.5	1.1824	0.0174	0.002	0.0194
46.5333	1.1979	0.0042	0.0007	0.0049
46.5667	1.2127	0.0042	0.0033	0.0075
46.6	1.2275	0.0042	0.0033	0.0075
46.6333	1.2413	0.0174	0.002	0.0194
46.6667	1.2552	0.0174	0.002	0.0194
46.7	1.2654	0.0042	0.002	0.0062
46.7333	1.2799	0.0174	0.0007	0.018
46.7667	1.2937	0.0174	0.0033	0.0207
46.8	1.3062	0.0305	0.002	0.0325
46.8333	1.3164	0.0042	0.0007	0.0049
46.8667	1.3263	0.0042	0.002	0.0062
46.9	1.3388	0.0174	0.002	0.0194
46.9333	1.3473	0.0174	0.002	0.0194
46.9667	1.3582	0.0174	0.002	0.0194
47	1.3674	0.0042	0.0033	0.0075
47.0333	1.3786	0.0174	0.002	0.0194
47.0667	1.3862	0.0042	0.002	0.0062
47.1	1.3901	0.0174	0.002	0.0194
47.1333	1.4023	0.0042	0.002	0.0062
47.1667	1.4079	0.0174	0.0007	0.018
47.2	1.4194	0.0305	0.002	0.0325
47.2333	1.425	0.0042	0.0007	0.0049
47.2667	1.4339	0.0174	0.002	0.0194

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
47.3	1.4369	0.0305	0.0033	0.0338
47.3333	1.4474	0.0174	0.002	0.0194
47.3667	1.4494	0.0305	0.002	0.0325
47.4	1.4556	0.0174	0.0007	0.018
47.4333	1.4635	0.0174	0.002	0.0194
47.4667	1.4675	0.0305	0.0007	0.0312
47.5	1.4751	0.0305	0.002	0.0325
47.5333	1.482	0.0174	0.0007	0.018
47.5667	1.4849	0.0174	0.0033	0.0207
47.6	1.4895	0.0042	0.002	0.0062
47.6333	1.4951	0.0174	0	0.0174
47.6667	1.4994	0.0305	0.002	0.0325
47.7	1.5067	0.0174	9.0069	9.0243
47.7333	1.5162	0.0042	8.6835	8.6877
47.7667	1.5254	0.0305	8.3928	8.4234
47.8	1.534	0.0174	8.1903	8.2077
47.8333	1.5402	0.0174	8.051	8.0683
47.8667	1.5471	0.0042	7.9615	7.9657
47.9	1.5567	0.0042	7.8971	7.9013
47.9333	1.562	0.0042	7.8537	7.8579
47.9667	1.5692	0.0042	7.8366	7.8408
48	1.5758	0.0042	7.8195	7.8237
48.0333	1.5847	0.0042	7.8116	7.8158
48.0667	1.5853	0.0174	7.8037	7.8211
48.1	1.5945	0.0174	7.7985	7.8158
48.1333	1.5962	0.0174	7.7932	7.8106
48.1667	1.6061	0.0042	7.7998	7.804
48.2	1.6084	0.0174	7.8011	7.8185
48.2333	1.6126	0.0174	7.7972	7.8145
48.2667	1.6202	0.0174	7.8037	7.8211
48.3	1.6245	0.0305	7.8064	7.8369
48.3333	1.6291	0.0174	7.8077	7.825
48.3667	1.6337	0.0042	7.8143	7.8185
48.4	1.6347	0.0305	7.8169	7.8474
48.4333	1.6416	0.0174	7.8353	7.8527
48.4667	1.6459	0.0042	7.8314	7.8356
48.5	1.6311	0.0174	7.8432	7.8605
48.5333	1.6209	0.0042	7.8471	7.8513
48.5667	1.6087	0.0174	7.8563	7.8737
48.6	1.6021	0.0174	7.8537	7.8711
48.6333	1.5893	0.0174	7.8682	7.8855
48.6667	1.583	0.0042	7.8708	7.875
48.7	1.5702	0.0042	7.8761	7.8803

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
48.7333	1.5623	0.0174	7.88	7.8974
48.7667	1.5534	0.0305	7.8787	7.9092
48.8	1.5475	0.0174	7.8879	7.9053
48.8333	1.5343	0.0174	7.8826	7.9
48.8667	1.5267	0.0174	7.8971	7.9145
48.9	1.5205	0.0042	7.8945	7.8987
48.9333	1.5103	0.0042	7.901	7.9053
48.9667	1.5053	0.0174	7.8866	7.9039
49	1.4965	0.0174	7.8971	7.9145
49.0333	1.4869	0.0174	7.905	7.9223
49.0667	1.4816	0.0174	7.8971	7.9145
49.1	1.4751	0.0305	7.901	7.9316
49.1333	1.4658	0.0042	7.8958	7.9
49.1667	1.4596	0.0174	7.9024	7.9197
49.2	1.4527	0.0174	7.8997	7.9171
49.2333	1.4458	0.0174	7.9089	7.9263
49.2667	1.4365	0.0042	7.8971	7.9013
49.3	1.4319	0.0042	7.8971	7.9013
49.3333	1.43	0.0174	7.8945	7.9118
49.3667	1.4319	0.0174	7.8997	7.9171
49.4	1.4379	0.0305	7.9037	7.9342
49.4333	1.4405	0.0042	7.9063	7.9105
49.4667	1.4491	0.0174	7.9089	7.9263
49.5	1.4573	0.0174	7.9116	7.9289
49.5333	1.4632	0.0042	7.9168	7.921
49.5667	1.4737	0.0174	7.9089	7.9263
49.6	1.4833	0.0174	7.9129	7.9302
49.6333	1.4922	0.0042	7.9234	7.9276
49.6667	1.4991	0.0174	7.9287	7.946
49.7	1.508	0.0174	7.9392	7.9565
49.7333	1.5172	0.0305	7.951	7.9815
49.7667	1.5241	0.0174	7.9484	7.9657
49.8	1.5307	0.0174	7.9589	7.9763
49.8333	1.5399	0.0305	7.976	8.0065
49.8667	1.5439	0.0174	7.9839	8.0012
49.9	1.5494	0.0305	8.001	8.0315
49.9333	1.5583	0.0174	8.0089	8.0262
49.9667	1.5662	0.0305	8.0141	8.0446
50	1.5761	0.0174	8.022	8.0394
50.0333	1.5827	0.0042	8.0339	8.0381
50.0667	1.5903	0.0305	8.0496	8.0801
50.1	1.6038	0.0174	8.0654	8.0828
50.1333	1.611	0.0042	8.0707	8.0749

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
50.1667	1.6248	0.0437	8.0917	8.1354
50.2	1.6337	0.0305	8.097	8.1275
50.2333	1.6459	0.0174	8.1233	8.1406
50.2667	1.6505	0.0174	8.1299	8.1472
50.3	1.6528	0.0174	8.1548	8.1722
50.3333	1.6466	0.0174	8.1706	8.188
50.3667	1.6423	0.0174	8.1877	8.2051
50.4	1.634	0.0174	8.1864	8.2038
50.4333	1.6281	0.0174	8.2035	8.2208
50.4667	1.6278	0.0174	8.2153	8.2327
50.5	1.6271	0.0174	8.2337	8.2511
50.5333	1.6261	0.0305	8.239	8.2695
50.5667	1.6284	0.0174	8.26	8.2774
50.6	1.6327	0	8.2627	8.2627
50.6333	1.6354	0.0042	8.2732	8.2774
50.6667	1.6357	0.0174	8.2916	8.309
50.7	1.6383	0.0042	8.2916	8.2958
50.7333	1.6387	0.0174	8.3166	8.3339
50.7667	1.6387	0.0042	8.3232	8.3274
50.8	1.6406	0.0174	8.3376	8.355
50.8333	1.6429	0.0174	8.3442	8.3616
50.8667	1.6449	0.0042	8.3573	8.3616
50.9	1.6498	0.0174	8.3718	8.3892
50.9333	1.6492	0.0174	8.3758	8.3931
50.9667	1.6479	0.0042	8.385	8.3892
51	1.6449	0.0174	8.4021	8.4194
51.0333	1.6472	0.0305	8.4152	8.4457
51.0667	1.6429	0.0174	8.4284	8.4457
51.1	1.639	0.0174	8.4297	8.447
51.1333	1.638	0.0174	8.4415	8.4589
51.1667	1.6387	0.0174	8.4494	8.4667
51.2	1.6291	0.0305	8.456	8.4865
51.2333	1.6304	0.0174	8.4678	8.4852
51.2667	1.6271	0.0174	8.4717	8.4891
51.3	1.6258	0	8.481	8.481
51.3333	1.6275	0.0174	8.4967	8.5141
51.3667	1.6245	0.0042	8.5125	8.5167
51.4	1.6176	0.0042	8.5125	8.5167
51.4333	1.6173	0.0174	8.5099	8.5272
51.4667	1.6196	0.0174	8.5151	8.5325
51.5	1.6173	0.0042	8.5296	8.5338
51.5333	1.6202	0.0174	8.5309	8.5483
51.5667	1.6199	0.0174	8.5388	8.5562

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
51.6	1.6169	0	8.5546	8.5546
51.6333	1.6196	0.0305	8.5598	8.5904
51.6667	1.6196	0.0174	8.5691	8.5864
51.7	1.6182	0.0042	8.5664	8.5706
51.7333	1.6229	0.0305	8.573	8.6035
51.7667	1.6245	0.0305	8.5914	8.6219
51.8	1.6212	0.0042	8.598	8.6022
51.8333	1.6252	0.0042	8.6124	8.6167
51.8667	1.6245	0.0042	8.5967	8.6009
51.9	1.6314	0.0042	8.6072	8.6114
51.9333	1.6301	0.0042	8.6322	8.6364
51.9667	1.6324	0.0305	8.6282	8.6587
52	1.6317	0.0174	8.6401	8.6574
52.0333	1.6308	0.0174	8.6453	8.6627
52.0667	1.6304	0.0042	8.6506	8.6548
52.1	1.6291	0.0174	8.6598	8.6771
52.1333	1.6284	0.0174	8.6677	8.685
52.1667	1.6294	0.0305	8.6703	8.7008
52.2	1.6255	0.0174	8.6769	8.6942
52.2333	1.6271	0.0042	8.6874	8.6916
52.2667	1.6222	0.0174	8.6979	8.7153
52.3	1.6229	0.0174	8.6953	8.7126
52.3333	1.6248	0.0305	8.7124	8.7429
52.3667	1.6265	0.0042	8.7098	8.714
52.4	1.6209	0.0174	8.715	8.7324
52.4333	1.6222	0.0042	8.7269	8.7311
52.4667	1.6229	0.0042	8.7282	8.7324
52.5	1.6229	0.0174	8.7334	8.7508
52.5333	1.6196	0.0174	8.74	8.7574
52.5667	1.6229	0.0174	8.7466	8.7639
52.6	1.6222	0.0437	8.7571	8.8008
52.6333	1.6275	0.0174	8.7545	8.7718
52.6667	1.6275	0.0174	8.7676	8.785
52.7	1.6284	0.0305	8.7729	8.8034
52.7333	1.6298	0.0174	8.7834	8.8008
52.7667	1.6298	0.0042	8.7755	8.7797
52.8	1.6337	0.0042	8.7742	8.7784
52.8333	1.6327	0.0174	8.7952	8.8126
52.8667	1.6337	0.0042	8.7965	8.8008
52.9	1.6347	0.0174	8.8097	8.8271
52.9333	1.6344	0.0174	8.8057	8.8231
52.9667	1.6337	0.0174	8.8176	8.8349
53	1.6387	0.0174	8.8202	8.8376

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
53.0333	1.6387	0.0305	8.8268	8.8573
53.0667	1.637	0.0305	8.8334	8.8639
53.1	1.6387	0	8.8307	8.8307
53.1333	1.6413	0.0042	8.8465	8.8507
53.1667	1.6396	0.0042	8.8452	8.8494
53.2	1.6416	0.0174	8.8505	8.8678
53.2333	1.639	0.0174	8.8649	8.8823
53.2667	1.6426	0.0174	8.8583	8.8757
53.3	1.6433	0.0042	8.8689	8.8731
53.3333	1.639	0.0174	8.8833	8.9007
53.3667	1.6436	0.0042	8.8899	8.8941
53.4	1.64	0.0174	8.8965	8.9138
53.4333	1.6452	0.0174	8.8952	8.9125
53.4667	1.6423	0.0174	8.8991	8.9165
53.5	1.6433	0.0042	8.9057	8.9099
53.5333	1.6442	0.0305	8.9162	8.9467
53.5667	1.6436	0.0174	8.9096	8.927
53.6	1.6433	0.0042	8.9241	8.9283
53.6333	1.6469	0.0174	8.9307	8.948
53.6667	1.634	0.0042	8.9346	8.9388
53.7	1.5722	0.0174	8.932	8.9493
53.7333	1.5096	0.0174	8.9372	8.9546
53.7667	1.455	0.0042	8.9267	8.9309
53.8	1.3974	0.0174	8.9136	8.9309
53.8333	1.3454	0.0174	8.8978	8.9152
53.8667	1.2983	0.0042	8.765	8.7692
53.9	1.2851	0.0042	7.7262	7.7304
53.9333	1.271	0.0042	6.7215	6.7257
53.9667	1.2509	0.0042	5.8497	5.8539
54	1.2318	0.0305	5.1054	5.1359
54.0333	1.2134	0	4.4256	4.4256
54.0667	1.189	0.0174	3.8312	3.8486
54.1	1.1627	0.0305	3.3065	3.337
54.1333	1.135	0.0174	2.8318	2.8492
54.1667	1.111	0.0174	2.4058	2.4231
54.2	1.0791	0.0042	2.0415	2.0457
54.2333	1.0498	0.0042	1.7259	1.7301
54.2667	1.0234	0.0174	1.4682	1.4856
54.3	0.9922	0.0042	1.2328	1.237
54.3333	0.9652	0.0174	1.0382	1.0556
54.3667	0.9316	0.0042	0.8896	0.8938
54.4	0.9013	0.0042	0.7686	0.7728
54.4333	0.8737	0.0174	0.6713	0.6887

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
54.4667	0.8401	0.0305	0.5937	0.6242
54.5	0.8147	0.0174	0.5267	0.544
54.5333	0.7838	0.0042	0.4767	0.4809
54.5667	0.7575	0.0174	0.4346	0.452
54.6	0.7298	0.0305	0.4057	0.4362
54.6333	0.7022	0.0305	0.3741	0.4046
54.6667	0.6781	0.0042	0.3531	0.3573
54.7	0.6531	0.0042	0.3281	0.3323
54.7333	0.6298	0.0174	0.3084	0.3257
54.7667	0.6074	0.0305	0.002	0.0325
54.8	0.5824	0.0174	0.0007	0.018
54.8333	0.5616	0.0042	0.0007	0.0049
54.8667	0.5392	0.0437	0.002	0.0457
54.9	0.5175	0.0174	0.0007	0.018
54.9333	0.4994	0.0174	0.0033	0.0207
54.9667	0.4806	0.0042	0	0.0042
55	0.4615	0.0042	0.0033	0.0075
55.0333	0.4431	0.0174	0	0.0174
55.0667	-0.0098	0.0174	0.002	0.0194
55.1	-0.0072	0.0174	0.0007	0.018
55.1333	-0.0088	0.0042	0.002	0.0062
55.1667	-0.0085	0.0042	0.002	0.0062
55.2	-0.0085	0	0.0007	0.0007
55.2333	-0.0088	0.0174	0.0007	0.018
55.2667	-0.0075	0.0174	0.002	0.0194
55.3	-0.0085	0.0174	0.002	0.0194
55.3333	-0.0065	0.0174	0.0007	0.018
55.3667	-0.0049	0.0174	0.002	0.0194
55.4	-0.0092	0.0174	0.0007	0.018
55.4333	-0.0101	0.0042	0.002	0.0062
55.4667	-0.0078	0.0042	0.002	0.0062
55.5	-0.0049	0.0305	0.0033	0.0338
55.5333	-0.0039	0.0174	0.002	0.0194
55.5667	-0.0055	0.0042	0.002	0.0062
55.6	-0.0059	0.0305	0.002	0.0325
55.6333	-0.0022	0.0305	0.0007	0.0312
55.6667	-0.0026	0.0174	0.002	0.0194
55.7	-0.0046	0.0042	0.002	0.0062
55.7333	-0.0052	0.0305	0	0.0305
55.7667	-0.0055	0.0174	0.002	0.0194
55.8	-0.0039	0.0174	0.002	0.0194
55.8333	-0.0036	0	0.002	0.002
55.8667	-0.0039	0.0174	0.002	0.0194

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
55.9	-0.0049	0.0042	0.0007	0.0049
55.9333	-0.0059	0.0042	0.002	0.0062
55.9667	-0.0059	0.0042	0.0033	0.0075
56	-0.0032	0.0174	0.002	0.0194
56.0333	-0.0062	0.0174	0.002	0.0194
56.0667	-0.0036	0.0174	0.002	0.0194
56.1	-0.0052	0.0042	0.002	0.0062
56.1333	-0.0039	0.0042	0.002	0.0062
56.1667	-0.0072	0.0042	0.002	0.0062
56.2	-0.0055	0.0042	0.002	0.0062
56.2333	-0.0022	0.0174	0.002	0.0194
56.2667	-0.0026	0.0174	0.002	0.0194
56.3	-0.0036	0.0174	0.0033	0.0207
56.3333	-0.0049	0.0305	0.0007	0.0312
56.3667	-0.0042	0.0174	0.002	0.0194
56.4	-0.0062	0.0042	0.002	0.0062
56.4333	-0.0049	0.0042	0.002	0.0062
56.4667	-0.0036	0.0042	0.002	0.0062
56.5	-0.0062	0.0174	0.002	0.0194
56.5333	-0.0069	0.0174	0.002	0.0194
56.5667	-0.0046	0.0174	0.0007	0.018
56.6	-0.0049	0.0042	0.002	0.0062
56.6333	-0.0052	0.0174	0.002	0.0194
56.6667	-0.0042	0.0174	0.002	0.0194
56.7	-0.0046	0.0305	0.002	0.0325
56.7333	-0.0039	0.0174	0.002	0.0194
56.7667	-0.0046	0.0174	0.0007	0.018
56.8	-0.0052	0.0174	0.002	0.0194
56.8333	-0.0039	0.0174	0.002	0.0194
56.8667	-0.0072	0.0174	0.0033	0.0207
56.9	-0.0036	0.0174	0.002	0.0194
56.9333	-0.0088	0.0042	0.002	0.0062
56.9667	-0.0036	0.0174	0.0007	0.018
57	-0.0019	0.0174	0.002	0.0194
57.0333	-0.0069	0.0174	0.002	0.0194
57.0667	-0.0055	0.0305	0.0007	0.0312
57.1	-0.0036	0	0.002	0.002
57.1333	-0.0016	0.0174	0.0007	0.018
57.1667	-0.0029	0.0042	0.002	0.0062
57.2	-0.0069	0.0042	0.0033	0.0075
57.2333	-0.0042	0.0174	0.0007	0.018
57.2667	-0.0039	0.0174	0.002	0.0194
57.3	-0.0078	0.0305	0.0033	0.0338

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
57.3333	-0.0032	0.0042	0.0007	0.0049
57.3667	-0.0062	0.0042	0.0033	0.0075
57.4	-0.0046	0.0174	0.0007	0.018
57.4333	-0.0026	0.0042	0.002	0.0062
57.4667	-0.0055	0.0174	0.002	0.0194
57.5	-0.0055	0.0042	0.0007	0.0049
57.5333	-0.0078	0.0174	0.0007	0.018
57.5667	-0.0062	0	0	0
57.6	-0.0065	0.0174	0.0007	0.018
57.6333	-0.0046	0.0042	0.002	0.0062
57.6667	-0.0042	0.0042	0.002	0.0062
57.7	-0.0022	0.0305	0.0007	0.0312
57.7333	-0.0036	0.0174	0.002	0.0194
57.7667	-0.0026	0.0174	0.002	0.0194
57.8	-0.0075	0.0174	0.002	0.0194
57.8333	-0.0075	0.0042	0.002	0.0062
57.8667	-0.0092	0.0042	0.002	0.0062
57.9	-0.0082	0.0042	0.002	0.0062
57.9333	0.0129	0.0042	0.002	0.0062
57.9667	0.0639	0.0042	0.002	0.0062
58	0.11	0.0174	0.002	0.0194
58.0333	0.1597	0.0174	0.0033	0.0207
58.0667	0.2032	0.0174	0.002	0.0194
58.1	0.2473	0.0174	0.0007	0.018
58.1333	0.2983	0.0174	0.0007	0.018
58.1667	0.3542	0.0305	0.816	0.8465
58.2	0.4076	0.0305	0.912	0.9425
58.2333	0.4632	0.0174	1.0066	1.024
58.2667	0.5162	0.0174	1.0961	1.1134
58.3	0.5698	0.0042	1.2013	1.2055
58.3333	0.6238	0.0042	1.3012	1.3054
58.3667	0.6788	0.0174	1.4064	1.4237
58.4	0.7302	0.0174	1.5129	1.5303
58.4333	0.7845	0.0174	1.626	1.6433
58.4667	0.8319	0.0305	1.7338	1.7643
58.5	0.8855	0.0305	1.8246	1.8551
58.5333	0.9293	0.0305	1.9205	1.9511
58.5667	0.9774	0.0305	2.0231	2.0536
58.6	1.0271	0.0174	2.1323	2.1496
58.6333	1.0715	0.0174	2.2309	2.2482
58.6667	1.1199	0.0174	2.3308	2.3482
58.7	1.1666	0.0042	2.4347	2.4389
58.7333	1.2134	0.0042	2.5452	2.5494

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
58.7667	1.2588	0	2.6517	2.6517
58.8	1.2999	0.0174	2.7529	2.7703
58.8333	1.3424	0.0174	2.8608	2.8781
58.8667	1.3812	0.0174	2.9646	2.982
58.9	1.4227	0.0174	3.0738	3.0911
58.9333	1.4612	0.0174	3.1895	3.2069
58.9667	1.5004	0.0305	3.2947	3.3252
59	1.5429	0.0437	3.3999	3.4435
59.0333	1.5801	0.0042	3.5103	3.5146
59.0667	1.6097	0.0305	3.6169	3.6474
59.1	1.6354	0.0174	3.7181	3.7355
59.1333	1.638	0.0042	3.8233	3.8275
59.1667	1.6278	0.0174	3.918	3.9353
59.2	1.613	0.0174	4.0048	4.0221
59.2333	1.6064	0.0174	4.0863	4.1037
59.2667	1.5968	0.0174	4.1731	4.1905
59.3	1.5922	0.0174	4.2612	4.2786
59.3333	1.5965	0.0042	4.3388	4.343
59.3667	1.6064	0.0174	4.4164	4.4337
59.4	1.6163	0.0042	4.5005	4.5047
59.4333	1.6202	0.0174	4.5702	4.5876
59.4667	1.6294	0.0174	4.6465	4.6638
59.5	1.6314	0.0174	4.7228	4.7401
59.5333	1.6357	0.0174	4.7964	4.8137
59.5667	1.641	0.0305	4.8674	4.8979
59.6	1.6479	0.0042	4.9384	4.9426
59.6333	1.6525	0.0174	5.0147	5.032
59.6667	1.6581	0.0174	5.0778	5.0952
59.7	1.6633	0.0174	5.1514	5.1688
59.7333	1.6614	0.0437	5.2251	5.2687
59.7667	1.662	0.0174	5.2803	5.2977
59.8	1.664	0.0174	5.3566	5.3739
59.8333	1.6663	0.0174	5.4079	5.4252
59.8667	1.6683	0.0305	5.4723	5.5028
59.9	1.6663	0.0305	5.5223	5.5528
59.9333	1.6663	0.0174	5.5841	5.6014
59.9667	1.6643	0.0174	5.6419	5.6593
60	1.6637	0.0042	5.6879	5.6922
60.0333	1.6627	0.0174	5.7497	5.7671
60.0667	1.6581	0.0174	5.7997	5.8171
60.1	1.6597	0.0042	5.8431	5.8473
60.1333	1.6591	0.0174	5.8983	5.9157
60.1667	1.6604	0.0174	5.9483	5.9657

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
60.2	1.6604	0.0174	5.993	6.0104
60.2333	1.6607	0.0042	6.039	6.0433
60.2667	1.6607	0.0042	6.0745	6.0788
60.3	1.661	0	6.1271	6.1271
60.3333	1.6597	0.0174	6.1679	6.1853
60.3667	1.6587	0.0305	6.2192	6.2497
60.4	1.6597	0.0437	6.2678	6.3115
60.4333	1.6597	0.0042	6.2994	6.3036
60.4667	1.661	0.0174	6.3375	6.3549
60.5	1.6521	0.0174	6.3783	6.3957
60.5333	1.6387	0.0042	6.4217	6.4259
60.5667	1.6268	0.0174	6.4533	6.4706
60.6	1.6143	0.0305	6.4993	6.5298
60.6333	1.6024	0.0174	6.5308	6.5482
60.6667	1.5886	0.0174	6.5703	6.5876
60.7	1.5804	0.0305	6.5992	6.6297
60.7333	1.5712	0.0042	6.6347	6.6389
60.7667	1.5606	0.0174	6.661	6.6784
60.8	1.5541	0.0042	6.69	6.6942
60.8333	1.5445	0.0042	6.7189	6.7231
60.8667	1.5356	0.0305	6.7478	6.7783
60.9	1.5323	0.0174	6.7794	6.7967
60.9333	1.5231	0.0305	6.807	6.8375
60.9667	1.5356	0.0042	6.8307	6.8349
61	1.5429	0.0042	6.8622	6.8664
61.0333	1.5573	0.0174	6.8872	6.9046
61.0667	1.5656	0.0174	6.9135	6.9309
61.1	1.5705	0.0174	6.9451	6.9624
61.1333	1.5834	0.0174	6.9714	6.9887
61.1667	1.5919	0.0042	6.9977	7.0019
61.2	1.5985	0.0042	7.0266	7.0308
61.2333	1.6087	0.0042	7.0529	7.0571
61.2667	1.6123	0.0305	7.0871	7.1176
61.3	1.6196	0.0174	7.1239	7.1413
61.3333	1.6261	0.0042	7.1397	7.1439
61.3667	1.6337	0.0305	7.1739	7.2044
61.4	1.6413	0.0042	7.2107	7.2149
61.4333	1.6475	0.0305	7.2317	7.2622
61.4667	1.6525	0.0174	7.2672	7.2846
61.5	1.6531	0.0174	7.2948	7.3122
61.5333	1.6541	0.0042	7.3133	7.3175
61.5667	1.6535	0.0174	7.3422	7.3595
61.6	1.6538	0.0174	7.3777	7.395

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
61.6333	1.6568	0.0174	7.3987	7.4161
61.6667	1.6571	0.0174	7.4329	7.4503
61.7	1.66	0.0174	7.4645	7.4818
61.7333	1.6591	0.0174	7.4895	7.5068
61.7667	1.664	0.0174	7.5158	7.5331
61.8	1.663	0.0174	7.5447	7.562
61.8333	1.663	0.0174	7.5499	7.5673
61.8667	1.6624	0.0042	7.5841	7.5883
61.9	1.6581	0.0174	7.6039	7.6212
61.9333	1.6548	0.0174	7.6288	7.6462
61.9667	1.6531	0.0042	7.6459	7.6501
62	1.6495	0.0042	7.6749	7.6791
62.0333	1.6466	0.0174	7.7025	7.7198
62.0667	1.6423	0.0305	7.7169	7.7475
62.1	1.6393	0.0174	7.7459	7.7632
62.1333	1.6334	0.0174	7.763	7.7803
62.1667	1.6321	0.0174	7.7827	7.8001
62.2	1.6284	0.0174	7.8011	7.8185
62.2333	1.6242	0.0174	7.8235	7.8408
62.2667	1.6235	0.0042	7.834	7.8382
62.3	1.6215	0.0042	7.8524	7.8566
62.3333	1.6146	0.0174	7.8787	7.896
62.3667	1.6163	0.0042	7.8879	7.8921
62.4	1.6126	0.0042	7.905	7.9092
62.4333	1.6097	0.0042	7.9287	7.9329
62.4667	1.6064	0.0174	7.9431	7.9605
62.5	1.6047	0.0305	7.9615	7.992
62.5333	1.6041	0.0174	7.9786	7.996
62.5667	1.6031	0.0042	7.9984	8.0026
62.6	1.6024	0.0042	8.0062	8.0105
62.6333	1.5972	0.0174	8.0286	8.046
62.6667	1.6028	0.0174	8.0339	8.0512
62.7	1.5965	0.0042	8.0549	8.0591
62.7333	1.5982	0.0305	8.0746	8.1051
62.7667	1.5992	0.0174	8.0812	8.0986
62.8	1.6011	0.0174	8.1049	8.1222
62.8333	1.6031	0.0042	8.1193	8.1235
62.8667	1.6067	0.0042	8.1272	8.1314
62.9	1.608	0.0305	8.1338	8.1643
62.9333	1.6103	0.0305	8.1548	8.1853
62.9667	1.612	0.0174	8.1746	8.1919
63	1.613	0.0174	8.1798	8.1972
63.0333	1.6159	0.0042	8.2022	8.2064

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
63.0667	1.6196	0.0174	8.2219	8.2393
63.1	1.6202	0.0174	8.2285	8.2458
63.1333	1.6219	0.0042	8.2495	8.2537
63.1667	1.6229	0.0042	8.2587	8.2629
63.2	1.6242	0.0174	8.2771	8.2945
63.2333	1.6235	0.0174	8.2863	8.3037
63.2667	1.6275	0.0305	8.2942	8.3247
63.3	1.6281	0.0042	8.3205	8.3247
63.3333	1.6275	0	8.3389	8.3389
63.3667	1.6275	0.0042	8.3416	8.3458
63.4	1.6314	0.0174	8.3587	8.376
63.4333	1.6317	0.0042	8.381	8.3852
63.4667	1.6331	0.0174	8.3863	8.4036
63.5	1.634	0.0042	8.4007	8.4049
63.5333	1.6357	0.0174	8.4231	8.4404
63.5667	1.6363	0.0174	8.4336	8.451
63.6	1.6334	0.0174	8.4547	8.472
63.6333	1.6377	0.0042	8.4612	8.4654
63.6667	1.6363	0.0174	8.4757	8.493
63.7	1.6393	0.0174	8.4862	8.5036
63.7333	1.6377	0.0174	8.502	8.5193
63.7667	1.6396	0.0174	8.5099	8.5272
63.8	1.6387	0.0042	8.5257	8.5299
63.8333	1.6387	0.0174	8.5428	8.5601
63.8667	1.6429	0.0305	8.5467	8.5772
63.9	1.6423	0.0042	8.5612	8.5654
63.9333	1.6429	0.0042	8.5717	8.5759
63.9667	1.6446	0.0174	8.5888	8.6061
64	1.6393	0.0305	8.5888	8.6193
64.0333	1.6403	0.0174	8.6019	8.6193
64.0667	1.6413	0.0174	8.6177	8.6351
64.1	1.64	0.0174	8.6295	8.6469
64.1333	1.6433	0.0174	8.6361	8.6535
64.1667	1.6433	0.0174	8.6453	8.6627
64.2	1.6442	0.0305	8.6506	8.6811
64.2333	1.6442	0.0174	8.669	8.6863
64.2667	1.641	0	8.6887	8.6887
64.3	1.6406	0.0305	8.6927	8.7232
64.3333	1.6436	0.0174	8.6966	8.714
64.3667	1.6433	0.0042	8.7098	8.714
64.4	1.639	0.0042	8.7176	8.7219
64.4333	1.6439	0.0174	8.7387	8.756
64.4667	1.6426	0.0042	8.7518	8.756

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
64.5	1.6492	0.0174	8.7597	8.7771
64.5333	1.6778	0.0042	8.7716	8.7758
64.5667	1.7101	0.0174	8.7913	8.8086
64.6	1.7427	0.0042	8.8097	8.8139
64.6333	1.7779	0.0042	8.8294	8.8336
64.6667	1.8098	0.0042	8.857	8.8612
64.7	1.8424	0.0174	8.8715	8.8889
64.7333	1.8714	0.0042	8.8978	8.902
64.7667	1.903	0.0042	8.9215	8.9257
64.8	1.9342	0.0174	8.9491	8.9664
64.8333	1.9612	0.0305	8.9741	9.0046
64.8667	1.982	0.0305	9.0043	9.0348
64.9	1.9932	0.0042	9.0332	9.0374
64.9333	1.9961	0.0042	9.0635	9.0677
64.9667	2.0044	0.0174	9.0924	9.1098
65	2.0076	0.0042	9.1279	9.1321
65.0333	2.0132	0.0042	9.1476	9.1519
65.0667	2.0215	0.0305	9.1805	9.211
65.1	2.0281	0.0042	9.2016	9.2058
65.1333	2.0327	0.0174	9.2279	9.2452
65.1667	2.035	0.0305	9.2673	9.2978
65.2	2.0429	0.0174	9.2949	9.3123
65.2333	2.0439	0.0042	9.3225	9.3267
65.2667	2.0488	0.0042	9.3488	9.353
65.3	2.056	0.0042	9.3738	9.378
65.3333	2.06	0.0174	9.3949	9.4122
65.3667	2.0606	0.0174	9.4343	9.4517
65.4	2.0666	0.0305	9.4553	9.4859
65.4333	2.0656	0.0305	9.4764	9.5069
65.4667	2.0685	0.0568	9.4987	9.5555
65.5	2.0666	0.0042	9.5237	9.5279
65.5333	2.0676	0.0305	9.5461	9.5766
65.5667	2.0692	0.0042	9.5619	9.5661
65.6	2.0695	0	9.6026	9.6026
65.6333	2.0639	0.0174	9.6079	9.6252
65.6667	2.0656	0.0174	9.6342	9.6515
65.7	2.0666	0.0042	9.6592	9.6634
65.7333	2.0626	0.0174	9.6749	9.6923
65.7667	2.0623	0.0042	9.7078	9.712
65.8	2.0606	0.0174	9.7262	9.7436
65.8333	2.061	0.0174	9.7486	9.7659
65.8667	2.0593	0.0042	9.7604	9.7646
65.9	2.0603	0.0042	9.7854	9.7896

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
65.9333	2.0534	0	9.8117	9.8117
65.9667	2.0557	0.0174	9.8235	9.8409
66	2.0544	0.0174	9.8367	9.854
66.0333	2.0527	0.0042	9.8643	9.8685
66.0667	2.0531	0.0305	9.8867	9.9172
66.1	2.0527	0.0174	9.9116	9.929
66.1333	2.0435	0.0174	9.9301	9.9474
66.1667	2.0389	0	9.9511	9.9511
66.2	2.036	0.0174	9.959	9.9763
66.2333	2.032	0.0042	9.9827	9.9869
66.2667	2.0251	0.0174	9.9919	10.0092
66.3	2.0218	0.0042	10.0063	10.0105
66.3333	2.0155	0.0174	10.0366	10.0539
66.3667	2.0139	0.0042	10.0431	10.0473
66.4	2.009	0	10.0576	10.0576
66.4333	2.0034	0.0042	10.0813	10.0855
66.4667	2.0044	0.0174	10.0892	10.1065
66.5	2.0007	0.0042	10.1049	10.1092
66.5333	2.0011	0.0042	10.1194	10.1236
66.5667	1.9984	0.0174	10.126	10.1433
66.6	1.9978	0.0174	10.1418	10.1591
66.6333	1.9994	0.0174	10.1602	10.1775
66.6667	1.9984	0.0174	10.1667	10.1841
66.7	2.004	0.0042	10.1825	10.1867
66.7333	2.0014	0.0174	10.1983	10.2157
66.7667	2.0047	0.0042	10.2154	10.2196
66.8	2.007	0.0042	10.2325	10.2367
66.8333	2.005	0.0174	10.2325	10.2499
66.8667	2.008	0	10.2614	10.2614
66.9	2.0073	0.0174	10.2627	10.2801
66.9333	2.0083	0.0174	10.2759	10.2932
66.9667	2.0086	0.0174	10.2969	10.3143
67	2.0142	0.0042	10.3061	10.3103
67.0333	2.0106	0.0174	10.3153	10.3327
67.0667	2.0139	0.0305	10.3311	10.3616
67.1	2.0155	0	10.3403	10.3403
67.1333	2.0152	0.0174	10.3548	10.3721
67.1667	2.0185	0.0174	10.3587	10.3761
67.2	2.0162	0.0305	10.3706	10.4011
67.2333	2.0188	0.0174	10.3758	10.3932
67.2667	2.0139	0.0042	10.3916	10.3958
67.3	2.0179	0.0174	10.41	10.4274
67.3333	2.0169	0.0305	10.4153	10.4458

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
67.3667	2.0198	0.0042	10.4284	10.4326
67.4	2.0192	0.0042	10.4416	10.4458
67.4333	2.0215	0.0305	10.4587	10.4892
67.4667	2.0195	0.0174	10.4705	10.4879
67.5	2.0188	0.0174	10.4863	10.5036
67.5333	2.0218	0.0042	10.5047	10.5089
67.5667	2.0231	0.0174	10.5139	10.5313
67.6	2.0192	0.0042	10.5139	10.5181
67.6333	2.0228	0.0174	10.5336	10.551
67.6667	2.0251	0.0174	10.5455	10.5628
67.7	2.0241	0.0042	10.5494	10.5536
67.7333	2.0251	0.0042	10.5718	10.576
67.7667	2.0208	0.0174	10.5783	10.5957
67.8	2.0241	0	10.5954	10.5954
67.8333	2.0228	0.0305	10.6059	10.6365
67.8667	2.0244	0.0042	10.6086	10.6128
67.9	2.0225	0.0042	10.6309	10.6351
67.9333	2.0241	0.0174	10.6362	10.6536
67.9667	2.0238	0.0174	10.6375	10.6549
68	2.0225	0.0174	10.6533	10.6706
68.0333	2.0277	0.0042	10.6546	10.6588
68.0667	2.0241	0.0174	10.6743	10.6917
68.1	2.0225	0.0174	10.6809	10.6983
68.1333	2.0264	0.0042	10.6914	10.6956
68.1667	2.0234	0.0305	10.7072	10.7377
68.2	2.0248	0.0042	10.7125	10.7167
68.2333	2.0254	0.0174	10.7138	10.7311
68.2667	2.0264	0.0174	10.7322	10.7495
68.3	2.0228	0.0042	10.7401	10.7443
68.3333	2.0261	0.0174	10.744	10.7614
68.3667	2.0261	0.0042	10.7572	10.7614
68.4	2.0225	0.0042	10.7637	10.768
68.4333	2.0258	0.0174	10.7782	10.7956
68.4667	2.0264	0.0042	10.7848	10.789
68.5	2.0261	0.0042	10.7927	10.7969
68.5333	2.0251	0.0174	10.8071	10.8245
68.5667	2.0264	0.0174	10.7966	10.814
68.6	2.0251	0.0174	10.8163	10.8337
68.6333	2.0274	0.0174	10.8229	10.8403
68.6667	2.0241	0.0174	10.8348	10.8521
68.7	2.0225	0.0174	10.8321	10.8495
68.7333	2.0248	0.0174	10.8466	10.8639
68.7667	2.0228	0.0174	10.8558	10.8732

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
68.8	2.0251	0.0305	10.8532	10.8837
68.8333	2.0241	0.0174	10.8689	10.8863
68.8667	2.0231	0.0174	10.8821	10.8995
68.9	2.0248	0.0174	10.8808	10.8981
68.9333	2.0215	0.0174	10.9044	10.9218
68.9667	2.0251	0.0042	10.9031	10.9073
69	2.0238	0.0042	10.9044	10.9087
69.0333	2.0261	0.0305	10.9137	10.9442
69.0667	2.0271	0.0174	10.9255	10.9428
69.1	2.0251	0.0174	10.9229	10.9402
69.1333	2.0261	0.0174	10.9518	10.9691
69.1667	2.0254	0.0174	10.9557	10.9731
69.2	2.0238	0.0042	10.9623	10.9665
69.2333	2.0264	0.0042	10.9584	10.9626
69.2667	2.0228	0.0174	10.961	10.9784
69.3	2.0215	0.0174	10.9689	10.9862
69.3333	2.0251	0.0042	10.982	10.9862
69.3667	2.0228	0.0174	10.9847	11.002
69.4	2.0241	0.0305	10.9978	11.0283
69.4333	2.0228	0.0042	11.007	11.0112
69.4667	2.0231	0.0042	11.0189	11.0231
69.5	2.0248	0.0174	11.0215	11.0388
69.5333	2.0231	0.0042	11.0215	11.0257
69.5667	2.0238	0.0042	11.0307	11.0349
69.6	2.0258	0.0174	11.0438	11.0612
69.6333	2.0248	0.0174	11.0557	11.073
69.6667	2.0211	0.0174	11.0478	11.0651
69.7	2.0234	0.0042	11.053	11.0572
69.7333	2.0202	0.0305	11.0609	11.0914
69.7667	2.0215	0	11.0662	11.0662
69.8	2.0225	0.0305	11.0833	11.1138
69.8333	2.0231	0.0042	11.0885	11.0928
69.8667	2.0241	0.0174	11.0978	11.1151
69.9	2.0238	0.0042	11.1017	11.1059
69.9333	2.0211	0.0174	11.0912	11.1085
69.9667	2.0198	0	11.1004	11.1004
70	2.0202	0.0042	11.128	11.1322
70.0333	2.0221	0.0305	11.1162	11.1467
70.0667	2.0211	0.0042	11.1267	11.1309
70.1	2.0234	0.0174	11.1306	11.148
70.1333	2.0211	0.0174	11.1451	11.1624
70.1667	2.0211	0.0174	11.1411	11.1585
70.2	2.0211	0.0042	11.1543	11.1585

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
70.2333	2.0165	0.0042	11.1582	11.1624
70.2667	2.0208	0.0174	11.1635	11.1809
70.3	2.01	0.0174	11.1714	11.1887
70.3333	1.9421	0.0174	11.178	11.1953
70.3667	1.8747	0.0174	11.1609	11.1782
70.4	1.8059	0.0174	11.1582	11.1756
70.4333	1.744	0.0042	11.149	11.1532
70.4667	1.6791	0.0174	0	0.0174
70.5	1.61	0.0174	0.002	0.0194
70.5333	1.5521	0.0042	0.002	0.0062
70.5667	1.9254	0.0174	0.0007	0.018
70.6	1.8707	0.0174	0.0007	0.018
70.6333	1.8585	0.0174	0.0007	0.018
70.6667	-0.0078	0.0305	0.002	0.0325
70.7	-0.0042	0.0174	0.0007	0.018
70.7333	-0.0082	0.0305	0.002	0.0325
70.7667	-0.0052	0.0174	0.002	0.0194
70.8	-0.0052	0.0042	0.0033	0.0075
70.8333	-0.0049	0.0174	0.0033	0.0207
70.8667	-0.0039	0.0174	0.002	0.0194
70.9	-0.0052	0.0174	0.0007	0.018
70.9333	-0.0065	0.0042	0.002	0.0062
70.9667	-0.0062	0.0042	0.0007	0.0049
71	-0.0036	0.0174	0	0.0174
71.0333	-0.0046	0.0174	0.0033	0.0207
71.0667	-0.0069	0.0174	0.002	0.0194
71.1	-0.0062	0.0174	0.002	0.0194
71.1333	-0.0052	0.0042	0.002	0.0062
71.1667	-0.0059	0.0174	0.002	0.0194
71.2	-0.0082	0.0305	0.002	0.0325
71.2333	-0.0036	0.0174	0.0033	0.0207
71.2667	-0.0019	0	0	0
71.3	-0.0065	0.0305	0.002	0.0325
71.3333	-0.0088	0.0174	0.0007	0.018
71.3667	-0.0065	0.0042	0.002	0.0062
71.4	-0.0065	0.0305	0.0007	0.0312
71.4333	-0.0046	0.0042	0.0033	0.0075
71.4667	-0.0069	0.0174	0	0.0174
71.5	-0.0055	0.0174	0.0033	0.0207
71.5333	-0.0039	0.0437	0.002	0.0457
71.5667	-0.0082	0.0042	0.002	0.0062
71.6	-0.0049	0.0305	0.0046	0.0351
71.6333	-0.0062	0.0174	0.0033	0.0207

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
71.6667	-0.0055	0.0042	0.002	0.0062
71.7	-0.0052	0.0305	0.0033	0.0338
71.7333	-0.0039	0.0042	0.002	0.0062
71.7667	-0.0062	0.0174	0.002	0.0194
71.8	-0.0046	0.0437	0.0007	0.0443
71.8333	-0.0049	0.0042	0.002	0.0062
71.8667	-0.0049	0.0305	0.002	0.0325
71.9	-0.0049	0.0174	0.0033	0.0207
71.9333	-0.0059	0.0174	0.002	0.0194
71.9667	-0.0026	0.0042	0.0007	0.0049
72	-0.0065	0.0305	0.0007	0.0312
72.0333	-0.0039	0.0174	0.0033	0.0207
72.0667	-0.0092	0.0174	0.0007	0.018
72.1	-0.0032	0.0305	0.0007	0.0312
72.1333	-0.0065	0.0042	0.0033	0.0075
72.1667	-0.0075	0.0305	0.002	0.0325
72.2	-0.0062	0.0305	0.0007	0.0312
72.2333	-0.0039	0.0174	0.002	0.0194
72.2667	-0.0062	0.0305	0.0007	0.0312
72.3	-0.0065	0.0174	0.002	0.0194
72.3333	-0.0062	0.0174	0.0033	0.0207
72.3667	-0.0046	0.0174	0.002	0.0194
72.4	-0.0072	0.0174	0.002	0.0194
72.4333	-0.0059	0.0174	0.002	0.0194
72.4667	-0.0059	0.0174	0.0007	0.018
72.5	-0.0046	0.0305	0.0033	0.0338
72.5333	-0.0036	0.0042	0.0033	0.0075
72.5667	-0.0029	0.0174	0.0007	0.018
72.6	-0.0078	0.0174	0	0.0174
72.6333	-0.0052	0.0042	0.002	0.0062
72.6667	-0.0055	0.0174	0.002	0.0194
72.7	-0.0039	0.0174	0.002	0.0194
72.7333	-0.0075	0.0042	0.002	0.0062
72.7667	-0.0062	0.0174	0.0033	0.0207
72.8	-0.0059	0.0174	0.002	0.0194
72.8333	-0.0055	0.0174	0.002	0.0194
72.8667	-0.0026	0.0174	0.002	0.0194
72.9	-0.0082	0.0174	0	0.0174
72.9333	-0.0062	0.0174	0.0007	0.018
72.9667	-0.0052	0.0174	0.0007	0.018
73	-0.0046	0	0.0033	0.0033
73.0333	-0.0069	0.0042	0.002	0.0062
73.0667	-0.0052	0.0042	0.002	0.0062

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
73.1	-0.0078	0.0174	0	0.0174
73.1333	-0.0026	0.0174	0.002	0.0194
73.1667	-0.0075	0.0174	0.0007	0.018
73.2	-0.0049	0.0174	0.0007	0.018
73.2333	-0.0055	0.0042	0.002	0.0062
73.2667	-0.0046	0.0042	0.002	0.0062
73.3	-0.0065	0.0174	0.0033	0.0207
73.3333	-0.0059	0.0042	0.002	0.0062
73.3667	-0.0029	0.0174	0	0.0174
73.4	-0.0042	0.0174	0.002	0.0194
73.4333	-0.0062	0.0042	0.0007	0.0049
73.4667	-0.0065	0.0042	0.002	0.0062
73.5	-0.0049	0.0174	0.002	0.0194
73.5333	-0.0098	0.0042	0.0007	0.0049
73.5667	-0.0069	0.0174	0.0007	0.018
73.6	-0.0108	0.0174	0.002	0.0194
73.6333	-0.0121	0.0174	0.0033	0.0207
73.6667	-0.0151	0.0305	0.0007	0.0312
73.7	-0.0184	0.0174	0.0007	0.018
73.7333	-0.0194	0.0174	0.002	0.0194
73.7667	-0.0177	0.0174	0.002	0.0194
73.8	-0.019	0.0042	0.002	0.0062
73.8333	-0.0187	0.0174	0.0007	0.018
73.8667	-0.0263	0.0174	0.002	0.0194
73.9	-0.0213	0.0042	0.002	0.0062
73.9333	-0.0243	0.0305	0.0046	0.0351
73.9667	-0.0223	0.0042	0.0007	0.0049
74	-0.0236	0.0174	0.0007	0.018
74.0333	-0.0266	0.0174	0.812	0.8294
74.0667	-0.0266	0.0042	0.8304	0.8346
74.1	-0.0256	0.0042	0.8567	0.8609
74.1333	-0.0266	0.0042	0.8751	0.8793
74.1667	-0.0253	0.0174	0.8922	0.9096
74.2	-0.0256	0.0305	0.9093	0.9398
74.2333	-0.0289	0.0305	0.9185	0.949
74.2667	-0.0266	0.0042	0.9317	0.9359
74.3	-0.0302	0.0174	0.9435	0.9609
74.3333	-0.0296	0.0305	0.9475	0.978
74.3667	-0.022	0.0174	0.645	0.6624
74.4	-0.0151	0.0042	0.3728	0.377
74.4333	-0.0128	0.0042	0.002	0.0062
74.4667	-0.0052	0.0174	0.002	0.0194
74.5	-0.0055	0.0042	0.002	0.0062

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
74.5333	-0.0022	0.0174	0.0007	0.018
74.5667	-0.0062	0.0305	0.0007	0.0312
74.6	-0.0039	0.0174	0.0007	0.018
74.6333	-0.0042	0.0042	0.002	0.0062
74.6667	-0.0042	0.0305	0.002	0.0325
74.7	-0.0022	0.0174	0	0.0174
74.7333	-0.0059	0.0042	0.002	0.0062
74.7667	-0.0055	0.0174	0.002	0.0194
74.8	-0.0049	0.0174	0.002	0.0194
74.8333	-0.0039	0.0174	0.0033	0.0207
74.8667	-0.0009	0.0174	0.002	0.0194
74.9	-0.0065	0.0437	0	0.0437
74.9333	-0.0042	0.0042	0.0007	0.0049
74.9667	-0.0049	0.0174	0.0033	0.0207
75	-0.0046	0.0305	0.002	0.0325
75.0333	-0.0049	0.0042	0.0007	0.0049
75.0667	-0.0065	0.0174	0.002	0.0194
75.1	-0.0065	0.0174	0	0.0174
75.1333	-0.0092	0.0305	0.0007	0.0312
75.1667	-0.0075	0.0174	0.002	0.0194
75.2	-0.0085	0.0174	0.002	0.0194
75.2333	-0.0092	0.0174	0.0033	0.0207
75.2667	-0.0098	0.0305	0.002	0.0325
75.3	0.003	0.0174	0.0033	0.0207
75.3333	0.0396	0.0174	0.002	0.0194
75.3667	0.0853	0.0305	0.0007	0.0312
75.4	0.1281	0.0042	0.002	0.0062
75.4333	0.1857	0.0174	0.002	0.0194
75.4667	0.2374	0.0042	0.002	0.0062
75.5	0.2864	0.0174	0.002	0.0194
75.5333	0.3375	0.0174	0.002	0.0194
75.5667	0.3835	0.0305	0	0.0305
75.6	0.4319	0.0305	0.002	0.0325
75.6333	0.4747	0.0174	0.002	0.0194
75.6667	0.5168	0.0174	0.8883	0.9056
75.7	0.5623	0.0042	0.9672	0.9714
75.7333	0.6011	0.0042	1.0487	1.0529
75.7667	0.6396	0.0174	1.1197	1.1371
75.8	0.6788	0.0174	1.2013	1.2186
75.8333	0.714	0.0042	1.2907	1.2949
75.8667	0.7512	0.0174	1.3735	1.3909
75.9	0.7878	0.0042	1.4564	1.4606
75.9333	0.8236	0.0042	1.5497	1.5539

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
75.9667	0.8569	0.0305	1.6352	1.6657
76	0.8911	0	1.722	1.722
76.0333	0.9198	0.0042	1.8101	1.8143
76.0667	0.9533	0.0174	1.9035	1.9208
76.1	0.983	0.0174	1.9889	2.0063
76.1333	1.0172	0.0305	2.077	2.1075
76.1667	1.0452	0.0174	2.1625	2.1799
76.2	1.0761	0.0042	2.2453	2.2496
76.2333	1.1038	0.0174	2.3374	2.3547
76.2667	1.1301	0.0174	2.4281	2.4455
76.3	1.1571	0.0174	2.5149	2.5323
76.3333	1.1821	0.0174	2.5964	2.6138
76.3667	1.2088	0.0042	2.6819	2.6861
76.4	1.2331	0.0042	2.7648	2.769
76.4333	1.2558	0.0174	2.8542	2.8715
76.4667	1.2799	0.0174	2.9331	2.9504
76.5	1.3049	0.0174	3.0225	3.0399
76.5333	1.3263	0	3.1053	3.1053
76.5667	1.3467	0.0174	3.1948	3.2121
76.6	1.3717	0.0042	3.271	3.2752
76.6333	1.3931	0.0174	3.346	3.3633
76.6667	1.4125	0.0042	3.4314	3.4357
76.7	1.4326	0.0174	3.5156	3.533
76.7333	1.4494	0.0174	3.5919	3.6092
76.7667	1.4734	0.0174	3.6747	3.6921
76.8	1.4879	0.0042	3.7536	3.7578
76.8333	1.5096	0.0174	3.8233	3.8407
76.8667	1.5307	0.0042	3.9048	3.909
76.9	1.5432	0.0174	3.9758	3.9932
76.9333	1.5629	0.0174	4.0455	4.0629
76.9667	1.5817	0.0174	4.1297	4.1471
77	1.5949	0.0174	4.202	4.2194
77.0333	1.6123	0.0174	4.2704	4.2878
77.0667	1.6278	0.0174	4.3467	4.364
77.1	1.6426	0.0305	4.4203	4.4508
77.1333	1.6577	0.0174	4.4861	4.5034
77.1667	1.6722	0.0042	4.565	4.5692
77.2	1.6874	0.0174	4.6333	4.6507
77.2333	1.6989	0.0042	4.7122	4.7164
77.2667	1.7111	0.0437	4.7806	4.8243
77.3	1.7236	0.0174	4.8569	4.8742
77.3333	1.7387	0.0042	4.9187	4.9229
77.3667	1.7506	0.0174	4.9923	5.0097

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
77.4	1.7664	0.0042	5.0581	5.0623
77.4333	1.7762	0.0305	5.133	5.1635
77.4667	1.7894	0.0174	5.2067	5.224
77.5	1.796	0.0174	5.2724	5.2898
77.5333	1.8108	0.0174	5.3461	5.3634
77.5667	1.821	0.0174	5.4144	5.4318
77.6	1.8315	0.0305	5.4854	5.5159
77.6333	1.8421	0.0174	5.5433	5.5607
77.6667	1.852	0.0305	5.6038	5.6343
77.7	1.8615	0.0174	5.6603	5.6777
77.7333	1.8684	0.0174	5.7313	5.7487
77.7667	1.8799	0.0042	5.7918	5.796
77.8	1.8898	0.0305	5.8563	5.8868
77.8333	1.8984	0.0042	5.9128	5.917
77.8667	1.9053	0.0042	5.972	5.9762
77.9	1.9125	0.0042	6.0246	6.0288
77.9333	1.9221	0.0174	6.0864	6.1037
77.9667	1.93	0.0305	6.1495	6.18
78	1.9382	0.0174	6.2139	6.2313
78.0333	1.9454	0.0174	6.2639	6.2813
78.0667	1.9497	0.0042	6.3191	6.3233
78.1	1.9586	0.0042	6.3796	6.3838
78.1333	1.9645	0.0042	6.4414	6.4456
78.1667	1.9711	0.0174	6.4901	6.5074
78.2	1.9741	0.0174	6.5453	6.5627
78.2333	1.9813	0.0174	6.5992	6.6166
78.2667	1.9895	0.0174	6.6571	6.6744
78.3	1.9922	0.0174	6.711	6.7284
78.3333	1.9981	0.0042	6.7728	6.777
78.3667	2.0021	0	6.8267	6.8267
78.4	2.01	0.0174	6.878	6.8954
78.4333	2.0162	0.0174	6.9372	6.9545
78.4667	2.0198	0.0042	6.9858	6.99
78.5	2.0258	0.0305	7.0411	7.0716
78.5333	2.0274	0.0042	7.095	7.0992
78.5667	2.0323	0.0174	7.1449	7.1623
78.6	2.0297	0.0437	7.2002	7.2438
78.6333	2.0323	0.0174	7.2488	7.2662
78.6667	2.032	0.0437	7.3119	7.3556
78.7	2.032	0.0174	7.3553	7.3727
78.7333	2.0346	0.0174	7.4079	7.4253
78.7667	2.0337	0.0042	7.4526	7.4568
78.8	2.0356	0.0174	7.5	7.5173

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
78.8333	2.036	0.0042	7.5407	7.545
78.8667	2.0369	0.0042	7.5868	7.591
78.9	2.035	0.0305	7.6288	7.6594
78.9333	2.0356	0.0174	7.6762	7.6935
78.9667	2.0363	0.0174	7.7169	7.7343
79	2.0379	0.0042	7.7682	7.7724
79.0333	2.0366	0.0042	7.8077	7.8119
79.0667	2.0366	0.0174	7.8498	7.8671
79.1	2.0379	0.0042	7.8918	7.896
79.1333	2.0376	0.0174	7.9366	7.9539
79.1667	2.0399	0.0042	7.9721	7.9763
79.2	2.0376	0.0305	8.0049	8.0354
79.2333	2.0402	0.0174	8.0444	8.0617
79.2667	2.0392	0.0174	8.0865	8.1038
79.3	2.0379	0.0305	8.1272	8.1577
79.3333	2.0396	0.0305	8.1575	8.188
79.3667	2.0376	0.0174	8.2022	8.2195
79.4	2.0373	0.0042	8.235	8.2393
79.4333	2.0369	0.0174	8.2653	8.2827
79.4667	2.0396	0.0305	8.3087	8.3392
79.5	2.0412	0.0305	8.3363	8.3668
79.5333	2.0389	0.0305	8.3758	8.4063
79.5667	2.0392	0.0174	8.4113	8.4286
79.6	2.0369	0.0042	8.4349	8.4391
79.6333	2.0353	0.0174	8.4757	8.493
79.6667	2.03	0.0042	8.5046	8.5088
79.7	2.0254	0.0174	8.5335	8.5509
79.7333	2.0205	0.0305	8.5664	8.5969
79.7667	2.0179	0.0042	8.594	8.5982
79.8	2.0179	0.0174	8.6295	8.6469
79.8333	2.0126	0.0174	8.6637	8.6811
79.8667	2.0086	0.0174	8.6874	8.7048
79.9	2.0067	0.0042	8.7032	8.7074
79.9333	2.0024	0.0305	8.7334	8.7639
79.9667	2.0014	0.0042	8.7558	8.76
80	1.9997	0.0174	8.7913	8.8086
80.0333	1.9951	0.0042	8.8215	8.8257
80.0667	1.9945	0.0042	8.8268	8.831
80.1	1.9942	0.0042	8.8649	8.8691
80.1333	1.9925	0.0042	8.8925	8.8967
80.1667	1.9935	0.0174	8.907	8.9244
80.2	1.9935	0.0305	8.928	8.9585
80.2333	1.9932	0.0042	8.953	8.9572

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
80.2667	1.9984	0.0174	8.9728	8.9901
80.3	2.0017	0.0174	9.0017	9.019
80.3333	2.0014	0.0042	9.0332	9.0374
80.3667	1.9981	0	9.0543	9.0543
80.4	2.003	0.0305	9.0714	9.1019
80.4333	2.0024	0.0174	9.0937	9.1111
80.4667	2.0067	0.0305	9.1174	9.1479
80.5	2.0047	0.0174	9.1319	9.1492
80.5333	2.0053	0.0174	9.1647	9.1821
80.5667	2.0093	0.0042	9.1753	9.1795
80.6	2.0103	0.0174	9.1989	9.2163
80.6333	2.0083	0.0174	9.2187	9.236
80.6667	2.0106	0.0174	9.245	9.2623
80.7	2.0109	0.0174	9.2726	9.2899
80.7333	2.0126	0.0174	9.2831	9.3004
80.7667	2.0152	0.0042	9.3041	9.3083
80.8	2.0136	0.0174	9.3291	9.3465
80.8333	2.0136	0.0174	9.3528	9.3701
80.8667	2.0172	0.0174	9.3791	9.3964
80.9	2.0162	0.0305	9.3857	9.4162
80.9333	2.0188	0.0042	9.4172	9.4214
80.9667	2.0208	0.0305	9.4317	9.4622
81	2.0195	0.0174	9.4488	9.4661
81.0333	2.0215	0.0305	9.4711	9.5016
81.0667	2.0211	0.0305	9.4922	9.5227
81.1	2.0231	0.0174	9.5145	9.5319
81.1333	2.0192	0.0174	9.5356	9.5529
81.1667	2.0208	0.0305	9.5513	9.5818
81.2	2.0202	0.0174	9.5619	9.5792
81.2333	2.0241	0.0174	9.5882	9.6055
81.2667	2.0211	0.0042	9.6079	9.6121
81.3	2.0238	0.0042	9.621	9.6252
81.3333	2.0225	0.0042	9.6447	9.6489
81.3667	2.0254	0.0174	9.6618	9.6792
81.4	2.0248	0.0042	9.6776	9.6818
81.4333	2.0241	0.0174	9.7039	9.7212
81.4667	2.0231	0.0042	9.7039	9.7081
81.5	2.0205	0.0042	9.7394	9.7436
81.5333	2.0228	0.0042	9.7512	9.7554
81.5667	2.0211	0.0174	9.7749	9.7922
81.6	2.0234	0	9.792	9.792
81.6333	2.0241	0.0174	9.8038	9.8212
81.6667	2.0241	0.0305	9.8301	9.8606

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
81.7	2.0231	0.0174	9.8433	9.8606
81.7333	2.0231	0.0174	9.863	9.8803
81.7667	2.0251	0.0174	9.8801	9.8974
81.8	2.0221	0.0305	9.8972	9.9277
81.8333	2.0231	0.0305	9.913	9.9435
81.8667	2.0218	0.0174	9.9327	9.95
81.9	2.0225	0.0042	9.9419	9.9461
81.9333	2.0228	0.0174	9.9656	9.9829
81.9667	2.0211	0.0174	9.9748	9.9921
82	2.0198	0.0174	9.9853	10.0026
82.0333	2.0225	0.0305	10.0063	10.0368
82.0667	2.0188	0.0042	10.0182	10.0224
82.1	2.0211	0.0042	10.0366	10.0408
82.1333	2.0211	0.0305	10.0431	10.0736
82.1667	2.0192	0.0174	10.0655	10.0829
82.2	2.0221	0.0174	10.0826	10.0999
82.2333	2.0215	0.0042	10.0997	10.1039
82.2667	2.0205	0.0174	10.0984	10.1157
82.3	2.0198	0.0042	10.1168	10.121
82.3333	2.0152	0.0174	10.1378	10.1552
82.3667	2.0192	0.0174	10.1523	10.1696
82.4	2.0198	0.0042	10.1694	10.1736
82.4333	2.0195	0.0174	10.1773	10.1946
82.4667	2.0185	0.0042	10.1957	10.1999
82.5	2.0165	0.0174	10.1983	10.2157
82.5333	2.0198	0.0305	10.2207	10.2512
82.5667	2.0211	0.0174	10.2299	10.2472
82.6	2.0179	0.0042	10.247	10.2512
82.6333	2.0162	0.0042	10.2641	10.2683
82.6667	2.0185	0.0174	10.2667	10.284
82.7	2.0149	0.0174	10.2733	10.2906
82.7333	2.0129	0.0174	10.2851	10.3025
82.7667	2.0155	0.0174	10.3153	10.3327
82.8	2.0119	0.0305	10.3167	10.3472
82.8333	2.0142	0.0042	10.3298	10.334
82.8667	2.0155	0.0174	10.3364	10.3537
82.9	2.0149	0.0174	10.3456	10.3629
82.9333	2.0149	0.0174	10.3587	10.3761
82.9667	2.0109	0.0174	10.3719	10.3892
83	2.0119	0.0042	10.3916	10.3958
83.0333	2.0103	0.0042	10.4087	10.4129
83.0667	2.0136	0.0174	10.4205	10.4379
83.1	2.0152	0.0042	10.4166	10.4208

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
83.1333	2.0142	0.0174	10.4311	10.4484
83.1667	2.0149	0.0174	10.4482	10.4655
83.2	2.0126	0.0174	10.4547	10.4721
83.2333	2.0139	0.0042	10.4666	10.4708
83.2667	2.0139	0.0042	10.4797	10.4839
83.3	2.0159	0.0042	10.4889	10.4931
83.3333	2.0159	0.0174	10.5034	10.5207
83.3667	2.0175	0.0174	10.5008	10.5181
83.4	2.0202	0	10.5271	10.5271
83.4333	2.0205	0.0174	10.5192	10.5365
83.4667	2.0234	0.0174	10.5455	10.5628
83.5	2.0254	0.0042	10.5547	10.5589
83.5333	2.0284	0.0174	10.5612	10.5786
83.5667	2.0264	0.0042	10.5691	10.5733
83.6	2.0307	0.0042	10.581	10.5852
83.6333	2.0261	0.0305	10.6007	10.6312
83.6667	2.0067	0.0042	10.5994	10.6036
83.7	1.9369	0.0042	10.6112	10.6154
83.7333	1.8674	0.0174	10.6099	10.6273
83.7667	1.7993	0.0174	10.6059	10.6233
83.8	1.7387	0	10.5954	10.5954
83.8333	-0.3986	0.0042	10.5849	10.5891
83.8667	-0.3966	0.0174	10.5704	10.5878
83.9	-0.3982	0.0174	10.5428	10.5602
83.9333	-0.3936	0.0174	10.5113	10.5286
83.9667	-0.3926	0.0174	10.4863	10.5036
84	-0.3917	0.0042	10.4297	10.434
84.0333	-0.3722	0.0174	10.0234	10.0408
84.0667	-0.0046	0.0174	8.982	8.9993
84.1	-0.0046	0.0042	0.002	0.0062
84.1333	-0.0032	0.0042	0.002	0.0062
84.1667	-0.0003	0.0174	0.0007	0.018
84.2	-0.0049	0.0042	0.002	0.0062
84.2333	-0.0042	0.0174	0.0007	0.018
84.2667	-0.0013	0.0174	0.002	0.0194
84.3	-0.0042	0.0174	0	0.0174
84.3333	-0.0032	0.0174	0.002	0.0194
84.3667	-0.0046	0.0305	0.002	0.0325
84.4	-0.0069	0.0174	0.002	0.0194
84.4333	-0.0046	0.0174	0.0007	0.018
84.4667	-0.0022	0.0174	0.0007	0.018
84.5	-0.0069	0.0174	0.0033	0.0207
84.5333	-0.0029	0.0042	0.002	0.0062

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
84.5667	-0.0088	0.0042	0.0007	0.0049
84.6	-0.0052	0.0042	0.002	0.0062
84.6333	-0.0029	0.0042	0.0007	0.0049
84.6667	-0.0078	0.0174	0.002	0.0194
84.7	-0.0062	0.0174	0.0007	0.018
84.7333	-0.0042	0.0174	0.0033	0.0207
84.7667	-0.0052	0.0174	0.002	0.0194
84.8	-0.0049	0.0174	0.002	0.0194
84.8333	-0.0062	0.0174	0.002	0.0194
84.8667	-0.0059	0.0042	0.002	0.0062
84.9	-0.0026	0	0	0
84.9333	-0.0009	0.0174	0	0.0174
84.9667	-0.0046	0.0042	0.0033	0.0075
85	-0.0039	0.0042	0.002	0.0062
85.0333	-0.0055	0.0174	0.002	0.0194
85.0667	-0.0026	0.0042	0	0.0042
85.1	-0.0078	0.0174	0.0007	0.018
85.1333	-0.0036	0.0174	0.0007	0.018
85.1667	-0.0059	0.0174	0.002	0.0194
85.2	-0.0075	0.0174	0.002	0.0194
85.2333	-0.0042	0.0042	0.002	0.0062
85.2667	-0.0042	0.0042	0.002	0.0062
85.3	-0.0062	0.0042	0.002	0.0062
85.3333	-0.0065	0.0174	0.0033	0.0207
85.3667	-0.0075	0.0042	0.0007	0.0049
85.4	-0.0052	0.0042	0.0007	0.0049
85.4333	-0.0065	0.0305	0.002	0.0325
85.4667	-0.0026	0.0174	0.002	0.0194
85.5	-0.0036	0.0174	0.0007	0.018
85.5333	-0.0039	0.0042	0.002	0.0062
85.5667	-0.0049	0.0174	0.002	0.0194
85.6	-0.0042	0.0305	0.0007	0.0312
85.6333	-0.0039	0.0174	0.0007	0.018
85.6667	-0.0052	0.0042	0.002	0.0062
85.7	-0.0052	0.0174	0.002	0.0194
85.7333	-0.0085	0.0174	0.0033	0.0207
85.7667	-0.0039	0.0305	0.002	0.0325
85.8	-0.0052	0.0042	0.002	0.0062
85.8333	-0.0075	0.0042	0.002	0.0062
85.8667	-0.0029	0.0042	0.002	0.0062
85.9	-0.0016	0.0174	0.002	0.0194
85.9333	-0.0046	0.0042	0.002	0.0062
85.9667	-0.0062	0.0174	0.002	0.0194

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
86	-0.0042	0.0174	0.0007	0.018
86.0333	-0.0042	0.0174	0.002	0.0194
86.0667	-0.0036	0.0174	0.002	0.0194
86.1	-0.0036	0.0042	0.002	0.0062
86.1333	-0.0039	0.0042	0	0.0042
86.1667	-0.0059	0.0042	0.0007	0.0049
86.2	-0.0029	0.0042	0.002	0.0062
86.2333	-0.0062	0.0042	0.002	0.0062
86.2667	-0.0049	0.0174	0.002	0.0194
86.3	-0.0101	0.0305	0	0.0305
86.3333	-0.0078	0.0305	0.0007	0.0312
86.3667	-0.0069	0.0305	0.002	0.0325
86.4	-0.0072	0.0042	0.0033	0.0075
86.4333	-0.0069	0.0174	0.0007	0.018
86.4667	-0.0052	0.0042	0.002	0.0062
86.5	-0.0052	0.0042	0.002	0.0062
86.5333	-0.0059	0.0042	0.002	0.0062
86.5667	-0.0062	0.0174	0.0033	0.0207
86.6	-0.0052	0.0042	0.0033	0.0075
86.6333	-0.0072	0.0174	0	0.0174
86.6667	-0.0088	0.0174	0.002	0.0194
86.7	-0.0131	0.0174	0.0007	0.018
86.7333	-0.0151	0.0174	0	0.0174
86.7667	-0.018	0.0174	0.002	0.0194
86.8	-0.0148	0.0042	0.0033	0.0075
86.8333	0.0218	0.0174	0.0007	0.018
86.8667	0.0764	0.0174	0.0007	0.018
86.9	0.1314	0.0305	0.002	0.0325
86.9333	0.1831	0.0042	0.8778	0.882
86.9667	0.2331	0.0174	0.9738	0.9911
87	0.2825	0.0174	1.0658	1.0832
87.0333	0.3404	0.0174	1.1723	1.1897
87.0667	0.402	0.0042	1.2762	1.2804
87.1	0.4648	0.0042	1.3867	1.3909
87.1333	0.5224	0.0305	1.5024	1.5329
87.1667	0.583	0.0042	1.6115	1.6157
87.2	0.6386	0.0174	1.7286	1.7459
87.2333	0.6953	0	1.8469	1.8469
87.2667	0.7486	0.0305	1.9639	1.9944
87.3	0.8009	0.0174	2.0731	2.0904
87.3333	0.848	0.0174	2.1941	2.2114
87.3667	0.9	0.0174	2.3058	2.3232
87.4	0.9474	0.0174	2.4308	2.4481

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
87.4333	0.9935	0.0174	2.5517	2.5691
87.4667	1.0402	0.0174	2.6688	2.6861
87.5	1.0889	0.0174	2.7858	2.8032
87.5333	1.1324	0.0174	2.9015	2.9189
87.5667	1.1739	0.0174	3.0264	3.0438
87.6	1.2163	0.0042	3.1395	3.1437
87.6333	1.2578	0.0174	3.2552	3.2726
87.6667	1.2976	0.0305	3.3736	3.4041
87.7	1.3365	0.0042	3.4893	3.4935
87.7333	1.378	0.0042	3.5971	3.6013
87.7667	1.4135	0.0174	3.7102	3.7276
87.8	1.4556	0.0042	3.822	3.8262
87.8333	1.4905	0.0174	3.9311	3.9485
87.8667	1.5251	0.0174	4.0363	4.0537
87.9	1.5616	0.0174	4.1429	4.1602
87.9333	1.5945	0.0042	4.2559	4.2601
87.9667	1.6301	0.0042	4.3677	4.3719
88	1.6627	0.0174	4.4703	4.4876
88.0333	1.6966	0.0042	4.5768	4.581
88.0667	1.7302	0.0174	4.6846	4.702
88.1	1.7601	0.0305	4.7938	4.8243
88.1333	1.7914	0.0305	4.8976	4.9282
88.1667	1.8256	0.0042	4.9989	5.0031
88.2	1.85	0.0305	5.1054	5.1359
88.2333	1.8829	0.0174	5.2132	5.2306
88.2667	1.9102	0.0305	5.3145	5.345
88.3	1.9421	0.0174	5.4263	5.4436
88.3333	1.9678	0.0042	5.5236	5.5278
88.3667	1.9991	0.0305	5.6209	5.6514
88.4	2.0188	0.0174	5.7064	5.7237
88.4333	2.0373	0.0305	5.7997	5.8302
88.4667	2.057	0.0305	5.8852	5.9157
88.5	2.061	0.0305	5.9825	6.013
88.5333	2.0481	0.0174	6.0653	6.0827
88.5667	2.034	0.0305	6.1534	6.184
88.6	2.0221	0.0174	6.2442	6.2615
88.6333	2.0119	0.0174	6.3218	6.3391
88.6667	2.0024	0.0042	6.3928	6.397
88.7	1.9895	0.0042	6.4664	6.4706
88.7333	1.9866	0.0174	6.5453	6.5627
88.7667	1.9889	0.0042	6.6189	6.6232
88.8	1.9994	0.0174	6.7005	6.7178
88.8333	2.0093	0.0042	6.7728	6.777

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
88.8667	2.0126	0.0174	6.8372	6.8546
88.9	2.0202	0.0305	6.9043	6.9348
88.9333	2.0258	0.0042	6.9806	6.9848
88.9667	2.029	0.0174	7.0424	7.0597
89	2.0346	0.0305	7.1147	7.1452
89.0333	2.0389	0.0042	7.1936	7.1978
89.0667	2.0452	0.0174	7.2541	7.2714
89.1	2.0495	0.0042	7.3198	7.324
89.1333	2.0518	0.0437	7.379	7.4227
89.1667	2.0547	0.0174	7.4395	7.4568
89.2	2.0587	0.0042	7.5026	7.5068
89.2333	2.06	0.0174	7.5618	7.5791
89.2667	2.062	0.0174	7.6288	7.6462
89.3	2.0649	0.0174	7.6749	7.6922
89.3333	2.0633	0.0042	7.7419	7.7461
89.3667	2.0639	0.0174	7.7919	7.8093
89.4	2.0643	0.0042	7.8458	7.85
89.4333	2.0603	0.0042	7.9037	7.9079
89.4667	2.0606	0.0174	7.9615	7.9789
89.5	2.0613	0.0174	8.0154	8.0328
89.5333	2.0636	0.0042	8.0496	8.0538
89.5667	2.0574	0.0305	8.0996	8.1301
89.6	2.056	0.0042	8.1522	8.1564
89.6333	2.0524	0.0174	8.2061	8.2235
89.6667	2.0518	0.0174	8.2456	8.2629
89.7	2.0488	0.0174	8.3008	8.3182
89.7333	2.0445	0.0174	8.3481	8.3655
89.7667	2.0422	0.0174	8.3863	8.4036
89.8	2.0432	0.0174	8.4336	8.451
89.8333	2.0422	0.0174	8.4862	8.5036
89.8667	2.0373	0.0305	8.5165	8.547
89.9	2.0366	0.0305	8.5546	8.5851
89.9333	2.0353	0.0174	8.6072	8.6245
89.9667	2.032	0.0174	8.6453	8.6627
90	2.0343	0.0305	8.6808	8.7113
90.0333	2.0294	0.0174	8.7124	8.7297
90.0667	2.0294	0.0174	8.7558	8.7731
90.1	2.0284	0.0174	8.7992	8.8165
90.1333	2.0261	0.0174	8.8294	8.8468
90.1667	2.0284	0.0174	8.8662	8.8836
90.2	2.0261	0.0174	8.9044	8.9217
90.2333	2.0254	0.0174	8.9386	8.9559
90.2667	2.0238	0.0174	8.9806	8.998

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
90.3	2.0231	0.0305	9.0109	9.0414
90.3333	2.0228	0.0174	9.0451	9.0624
90.3667	2.0215	0.0174	9.0766	9.094
90.4	2.0205	0.0042	9.1082	9.1124
90.4333	2.0185	0.0174	9.149	9.1663
90.4667	2.0198	0.0042	9.1766	9.1808
90.5	2.0225	0.0305	9.2121	9.2426
90.5333	2.0192	0.0042	9.241	9.2452
90.5667	2.0218	0.0305	9.2712	9.3018
90.6	2.0152	0.0174	9.3028	9.3202
90.6333	2.0202	0.0305	9.3383	9.3688
90.6667	2.0169	0.0174	9.3594	9.3767
90.7	2.0165	0.0042	9.387	9.3912
90.7333	2.0169	0.0042	9.429	9.4333
90.7667	2.0162	0.0042	9.4435	9.4477
90.8	2.0146	0	9.4738	9.4738
90.8333	2.0136	0.0174	9.4909	9.5082
90.8667	2.0159	0.0174	9.5224	9.5398
90.9	2.0126	0.0042	9.5487	9.5529
90.9333	2.0126	0.0042	9.5816	9.5858
90.9667	2.0152	0.0174	9.6092	9.6266
91	2.0126	0.0174	9.6237	9.641
91.0333	2.0093	0.0042	9.6539	9.6581
91.0667	2.0123	0.0437	9.6868	9.7304
91.1	2.0096	0.0174	9.7026	9.7199
91.1333	2.0096	0.0174	9.7341	9.7515
91.1667	2.008	0.0174	9.7565	9.7738
91.2	2.0053	0.0174	9.7775	9.7949
91.2333	2.007	0.0174	9.8038	9.8212
91.2667	2.0057	0.0174	9.8275	9.8448
91.3	2.004	0.0174	9.8498	9.8672
91.3333	2.0067	0.0174	9.8775	9.8948
91.3667	2.0027	0.0042	9.9011	9.9053
91.4	2.0017	0.0042	9.9182	9.9224
91.4333	2.0004	0.0042	9.9393	9.9435
91.4667	2.0021	0.0174	9.9708	9.9882
91.5	1.9984	0.0042	9.98	9.9842
91.5333	1.9988	0.0042	9.9997	10.004
91.5667	1.9988	0.0174	10.0234	10.0408
91.6	2.0001	0.0174	10.0563	10.0736
91.6333	2.0021	0.0174	10.0668	10.0842
91.6667	2.0004	0.0174	10.0878	10.1052
91.7	2.0007	0.0305	10.1115	10.142

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
91.7333	2.007	0.0174	10.1299	10.1473
91.7667	2.0076	0.0042	10.1457	10.1499
91.8	2.0093	0.0042	10.176	10.1802
91.8333	2.0146	0.0042	10.1917	10.1959
91.8667	2.0152	0	10.2207	10.2207
91.9	2.0139	0.0174	10.2299	10.2472
91.9333	2.0175	0.0174	10.2549	10.2722
91.9667	2.0218	0.0042	10.2693	10.2735
92	2.0198	0.0174	10.289	10.3064
92.0333	2.0215	0.0042	10.3048	10.309
92.0667	2.0244	0.0042	10.3403	10.3445
92.1	2.0251	0.0437	10.3535	10.3971
92.1333	2.0284	0.0174	10.3719	10.3892
92.1667	2.0271	0.0174	10.389	10.4063
92.2	2.0254	0.0174	10.3982	10.4155
92.2333	2.029	0.0042	10.4324	10.4366
92.2667	2.0337	0.0174	10.4534	10.4708
92.3	2.032	0.0174	10.4692	10.4866
92.3333	2.0333	0.0042	10.485	10.4892
92.3667	2.0369	0.0305	10.4955	10.526
92.4	2.035	0.0042	10.5297	10.5339
92.4333	2.0376	0.0174	10.5455	10.5628
92.4667	2.0363	0.0174	10.5652	10.5825
92.5	2.0379	0.0174	10.5783	10.5957
92.5333	2.0422	0.0174	10.5915	10.6088
92.5667	2.0373	0.0174	10.6257	10.643
92.6	2.0399	0.0042	10.6401	10.6443
92.6333	2.0416	0.0305	10.6651	10.6956
92.6667	2.0455	0.0174	10.6704	10.6877
92.7	2.0419	0.0305	10.6967	10.7272
92.7333	2.0452	0.0042	10.7125	10.7167
92.7667	2.0445	0.0174	10.7269	10.7443
92.8	2.0425	0.0174	10.7427	10.7601
92.8333	2.0343	0.0174	10.7532	10.7706
92.8667	2.0356	0.0042	10.7795	10.7837
92.9	2.0327	0.0174	10.7808	10.7982
92.9333	2.029	0.0174	10.8032	10.8206
92.9667	2.0254	0.0305	10.8269	10.8574
93	2.0225	0.0305	10.8374	10.8679
93.0333	2.0188	0.0174	10.8584	10.8758
93.0667	2.0162	0.0305	10.8611	10.8916
93.1	2.0152	0.0042	10.8729	10.8771
93.1333	2.0103	0.0174	10.9044	10.9218

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
93.1667	2.009	0.0174	10.9071	10.9244
93.2	2.0103	0.0305	10.9137	10.9442
93.2333	2.0047	0.0042	10.9386	10.9428
93.2667	2.0067	0.0174	10.9439	10.9613
93.3	2.007	0.0174	10.9623	10.9797
93.3333	2.005	0.0042	10.9623	10.9665
93.3667	2.0096	0.0174	10.9807	10.9981
93.4	2.005	0.0174	10.9991	11.0165
93.4333	2.0034	0.0042	11.0162	11.0204
93.4667	2.007	0.0174	11.0267	11.0441
93.5	2.0027	0.0174	11.0281	11.0454
93.5333	1.9968	0.0042	11.0517	11.0559
93.5667	1.9283	0.0174	11.0478	11.0651
93.6	1.8612	0.0174	11.0596	11.077
93.6333	1.7904	0.0174	11.0504	11.0678
93.6667	1.7265	0.0042	11.053	11.0572
93.7	1.6656	0.0174	11.0412	11.0586
93.7333	1.6117	0.0042	10.9321	10.9363
93.7667	1.5942	0.0174	9.9064	9.9237
93.8	1.5758	0.0305	8.9635	8.9941
93.8333	1.5554	0.0305	8.0917	8.1222
93.8667	-0.2643	0.0174	7.2896	7.3069
93.9	-0.2356	0.0042	6.5387	6.5429
93.9333	-0.208	0.0174	5.8339	5.8513
93.9667	-0.183	0.0174	5.2067	5.224
94	-0.1622	0.0174	4.5899	4.6073
94.0333	-0.1395	0.0174	4.0258	4.0432
94.0667	-0.1168	0.0042	3.509	3.5132
94.1	-0.1007	0.0174	3.0172	3.0346
94.1333	-0.0849	0.0042	2.5649	2.5691
94.1667	-0.0055	0.0305	0.002	0.0325
94.2	-0.0039	0.0042	0.0007	0.0049
94.2333	-0.0042	0.0174	0.0007	0.018
94.2667	-0.0075	0.0305	0.002	0.0325
94.3	-0.0062	0.0174	0.0033	0.0207
94.3333	-0.0065	0.0305	0.0007	0.0312
94.3667	-0.0036	0.0174	0.0033	0.0207
94.4	-0.0026	0.0174	0.0007	0.018
94.4333	-0.0069	0.0042	0.002	0.0062
94.4667	-0.0052	0.0174	0.002	0.0194
94.5	-0.0019	0.0305	0.002	0.0325
94.5333	-0.0049	0.0174	0.0007	0.018
94.5667	-0.0052	0.0174	0.002	0.0194

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
94.6	-0.0039	0.0174	0.0007	0.018
94.6333	-0.0059	0.0305	0.002	0.0325
94.6667	-0.0069	0.0042	0.002	0.0062
94.7	-0.0062	0.0174	0.0007	0.018
94.7333	-0.0052	0.0042	0.0007	0.0049
94.7667	-0.0032	0.0305	0.0033	0.0338
94.8	-0.0055	0.0042	0.0007	0.0049
94.8333	-0.0046	0.0042	0.0007	0.0049
94.8667	-0.0072	0.0174	0.002	0.0194
94.9	-0.0049	0	0.0007	0.0007
94.9333	-0.0078	0.0305	0.002	0.0325
94.9667	-0.0055	0.0042	0.002	0.0062
95	-0.0065	0.0174	0.002	0.0194
95.0333	-0.0088	0	0.002	0.002
95.0667	-0.0046	0.0174	0.0033	0.0207
95.1	-0.0032	0.0042	0.002	0.0062
95.1333	-0.0052	0.0305	0.002	0.0325
95.1667	-0.0046	0.0042	0.002	0.0062
95.2	-0.0046	0.0042	0.002	0.0062
95.2333	-0.0072	0.0174	0	0.0174
95.2667	-0.0052	0.0042	0.0007	0.0049
95.3	-0.0042	0.0174	0.002	0.0194
95.3333	-0.0088	0.0042	0.0007	0.0049
95.3667	-0.0049	0.0174	0.0007	0.018
95.4	-0.0029	0.0042	0.0007	0.0049
95.4333	-0.0055	0.0042	0.0007	0.0049
95.4667	-0.0032	0.0305	0.002	0.0325
95.5	-0.0059	0.0305	0.002	0.0325
95.5333	-0.0062	0.0042	0.0007	0.0049
95.5667	-0.0049	0.0174	0.0033	0.0207
95.6	-0.0026	0.0174	0.002	0.0194
95.6333	-0.0082	0.0174	0.002	0.0194
95.6667	-0.0062	0.0174	0.002	0.0194
95.7	-0.0046	0.0042	0.002	0.0062
95.7333	-0.0029	0.0174	0.0007	0.018
95.7667	-0.0062	0.0305	0.002	0.0325
95.8	-0.0055	0.0174	0.002	0.0194
95.8333	-0.0049	0.0305	0.002	0.0325
95.8667	-0.0062	0.0305	0.002	0.0325
95.9	-0.0062	0.0174	0.002	0.0194
95.9333	-0.0065	0.0437	0.0007	0.0443
95.9667	-0.0046	0.0305	0.002	0.0325
96	-0.0065	0.0174	0.0033	0.0207

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
96.0333	-0.0059	0.0042	0.0033	0.0075
96.0667	-0.0078	0.0174	0.002	0.0194
96.1	-0.0039	0.0174	0.0033	0.0207
96.1333	-0.0046	0.0042	0.002	0.0062
96.1667	-0.0039	0.0042	0	0.0042
96.2	-0.0052	0.0305	0.002	0.0325
96.2333	-0.0062	0.0174	0.0007	0.018
96.2667	-0.0065	0.0305	0.0007	0.0312
96.3	-0.0032	0.0305	0.0007	0.0312
96.3333	-0.0039	0.0042	0.002	0.0062
96.3667	-0.0055	0.0174	0.0033	0.0207
96.4	-0.0042	0.0174	0.0007	0.018
96.4333	-0.0016	0.0174	0.002	0.0194
96.4667	-0.0036	0.0305	0.002	0.0325
96.5	-0.0046	0.0174	0.0033	0.0207
96.5333	-0.0032	0.0174	0.002	0.0194
96.5667	-0.0055	0.0174	0.0033	0.0207
96.6	-0.0042	0.0437	0.0007	0.0443
96.6333	-0.0042	0.0305	0.002	0.0325
96.6667	-0.0042	0.0174	0.0007	0.018
96.7	-0.0059	0.0174	0.002	0.0194
96.7333	-0.0042	0.0174	0.002	0.0194
96.7667	-0.0055	0.0437	0.002	0.0457
96.8	-0.0039	0.0042	0.002	0.0062
96.8333	-0.0088	0.0174	0.002	0.0194
96.8667	-0.0069	0.0174	0.002	0.0194
96.9	-0.0069	0.0042	0.002	0.0062
96.9333	-0.0065	0.0174	0.002	0.0194
96.9667	-0.0052	0.0174	0.0007	0.018
97	-0.0039	0.0042	0.002	0.0062
97.0333	-0.0065	0	0.002	0.002
97.0667	-0.0046	0.0305	0.0007	0.0312
97.1	-0.0036	0	0.002	0.002
97.1333	-0.0046	0.0174	0.0007	0.018
97.1667	-0.0072	0.0042	0.0007	0.0049
97.2	-0.0075	0.0174	0.0007	0.018
97.2333	-0.0039	0.0305	0.0033	0.0338
97.2667	-0.0062	0.0174	0.0033	0.0207
97.3	-0.0075	0.0305	0.0033	0.0338
97.3333	-0.0032	0.0305	0.0007	0.0312
97.3667	-0.0052	0.0174	0.0007	0.018
97.4	-0.0039	0.0174	0.002	0.0194
97.4333	-0.0046	0.0174	0.002	0.0194

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
97.4667	-0.0019	0.0174	0.002	0.0194
97.5	-0.0042	0.0305	0.002	0.0325
97.5333	-0.0016	0	0.002	0.002
97.5667	-0.0078	0.0042	0.0007	0.0049
97.6	-0.0046	0.0174	0.002	0.0194
97.6333	-0.0069	0.0174	0.0007	0.018
97.6667	-0.0078	0.0042	0.002	0.0062
97.7	-0.0039	0.0042	0.002	0.0062
97.7333	-0.0042	0.0305	0.002	0.0325
97.7667	-0.0036	0.0174	0.002	0.0194
97.8	-0.0046	0.0174	0.002	0.0194
97.8333	-0.0019	0.0174	0.002	0.0194
97.8667	-0.0022	0.0174	0.0007	0.018
97.9	-0.0049	0.0174	0.002	0.0194
97.9333	-0.0032	0.0042	0.002	0.0062
97.9667	-0.0039	0.0174	0.0033	0.0207
98	-0.0026	0.0305	0.002	0.0325
98.0333	-0.0062	0.0305	0.0007	0.0312
98.0667	-0.0042	0.0174	0.002	0.0194
98.1	-0.0036	0.0042	0.0007	0.0049
98.1333	-0.0078	0.0174	0.0007	0.018
98.1667	-0.0046	0.0174	0.002	0.0194
98.2	-0.0069	0.0305	0.0007	0.0312
98.2333	-0.0046	0.0174	0.002	0.0194
98.2667	-0.0019	0.0174	0.002	0.0194
98.3	-0.0022	0.0305	0.0007	0.0312
98.3333	-0.0072	0.0437	0.0033	0.047
98.3667	-0.0075	0.0174	0.002	0.0194
98.4	-0.0049	0.0042	0.002	0.0062
98.4333	-0.0046	0.0042	0.0007	0.0049
98.4667	-0.0042	0.0042	0.002	0.0062
98.5	-0.0059	0.0174	0.002	0.0194
98.5333	-0.0085	0.0305	0.002	0.0325
98.5667	-0.0049	0.0174	0.002	0.0194
98.6	-0.0026	0.0174	0.002	0.0194
98.6333	-0.0036	0.0042	0.002	0.0062
98.6667	-0.0019	0.0174	0.002	0.0194
98.7	-0.0042	0.0305	0.002	0.0325
98.7333	-0.0029	0	0.002	0.002
98.7667	-0.0046	0.0174	0.0033	0.0207
98.8	-0.0078	0.0305	0.002	0.0325
98.8333	-0.0065	0.0042	0.002	0.0062
98.8667	-0.0095	0.0174	0.002	0.0194

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
98.9	-0.0072	0.0042	0	0.0042
98.9333	-0.0092	0.0042	0.002	0.0062
98.9667	-0.0085	0.0174	0.0033	0.0207
99	0.0224	0.0174	0.0033	0.0207
99.0333	0.0893	0.0174	0.0033	0.0207
99.0667	0.166	0.0174	0.002	0.0194
99.1	0.2423	0.0042	0.0033	0.0075
99.1333	0.3138	0.0042	0.002	0.0062
99.1667	0.3858	0.0174	0	0.0174
99.2	0.4507	0.0174	0.002	0.0194
99.2333	0.5175	0.0042	0.002	0.0062
99.2667	0.5807	0.0042	0.002	0.0062
99.3	0.6436	0.0174	0.816	0.8333
99.3333	0.7018	0.0174	0.9133	0.9306
99.3667	0.7637	0.0042	1.025	1.0293
99.4	0.823	0.0042	1.1276	1.1318
99.4333	0.8783	0.0174	1.2354	1.2528
99.4667	0.9306	0.0042	1.3446	1.3488
99.5	0.9839	0.0174	1.455	1.4724
99.5333	1.0392	0.0042	1.5708	1.575
99.5667	1.0909	0.0042	1.6786	1.6828
99.6	1.1423	0.0042	1.7956	1.7998
99.6333	1.19	0.0437	1.9061	1.9497
99.6667	1.2358	0.0174	2.0231	2.0405
99.7	1.2825	0.0042	2.1375	2.1417
99.7333	1.3289	0.0174	2.2493	2.2666
99.7667	1.378	0.0174	2.3624	2.3797
99.8	1.4221	0.0305	2.4755	2.506
99.8333	1.4655	0.0042	2.5925	2.5967
99.8667	1.5106	0.0042	2.7069	2.7111
99.9	1.5521	0.0305	2.8174	2.8479
99.9333	1.5945	0.0305	2.9423	2.9728
99.9667	1.6357	0.0305	3.0514	3.0819
100	1.6782	0.0042	3.1698	3.174
100.0333	1.716	0.0174	3.2894	3.3068
100.0667	1.7565	0.0305	3.3973	3.4278
100.1	1.793	0.0305	3.5051	3.5356
100.1333	1.8335	0.0305	3.6169	3.6474
100.1667	1.8687	0.0174	3.7234	3.7407
100.2	1.9092	0.0042	3.8404	3.8446
100.2333	1.9441	0.0437	3.9509	3.9945
100.2667	1.977	0.0174	4.0442	4.0616
100.3	2.0146	0.0174	4.1494	4.1668

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
100.3333	2.0406	0.0174	4.2691	4.2864
100.3667	2.057	0.0305	4.373	4.4035
100.4	2.0475	0.0042	4.4755	4.4797
100.4333	2.032	0.0174	4.5742	4.5915
100.4667	2.0231	0.0305	4.6728	4.7033
100.5	2.0179	0.0042	4.7675	4.7717
100.5333	2.0159	0.0174	4.8582	4.8756
100.5667	2.0192	0.0174	4.9463	4.9637
100.6	2.0192	0.0042	5.0357	5.0399
100.6333	2.0185	0.0174	5.1317	5.1491
100.6667	2.0211	0.0305	5.2198	5.2503
100.7	2.0218	0.0174	5.2987	5.3161
100.7333	2.0231	0.0174	5.3908	5.4081
100.7667	2.0244	0.0174	5.4657	5.4831
100.8	2.0267	0.0305	5.5446	5.5751
100.8333	2.0304	0.0174	5.6169	5.6343
100.8667	2.032	0.0305	5.6932	5.7237
100.9	2.036	0.0174	5.7682	5.7855
100.9333	2.0363	0.0042	5.83	5.8342
100.9667	2.0396	0.0174	5.901	5.9183
101	2.0419	0.0174	5.972	5.9893
101.0333	2.0422	0.0174	6.0417	6.059
101.0667	2.0452	0.0437	6.114	6.1577
101.1	2.0488	0.0174	6.1771	6.1945
101.1333	2.0527	0.0174	6.2494	6.2668
101.1667	2.055	0.0174	6.3139	6.3312
101.2	2.0574	0.0305	6.3757	6.4062
101.2333	2.061	0.0174	6.4401	6.4575
101.2667	2.0636	0.0042	6.5019	6.5061
101.3	2.062	0.0042	6.5677	6.5719
101.3333	2.0653	0.0305	6.64	6.6705
101.3667	2.0666	0.0174	6.6952	6.7126
101.4	2.06	0.0042	6.7596	6.7639
101.4333	2.0537	0.0042	6.8241	6.8283
101.4667	2.0488	0.0174	6.8806	6.898
101.5	2.0409	0.0174	6.9451	6.9624
101.5333	2.0327	0.0174	6.9924	7.0098
101.5667	2.032	0.0174	7.0424	7.0597
101.6	2.0271	0.0174	7.0963	7.1136
101.6333	2.0218	0.0042	7.1594	7.1636
101.6667	2.0192	0.0042	7.2094	7.2136
101.7	2.0142	0.0174	7.2712	7.2885
101.7333	2.0132	0.0174	7.3159	7.3332

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
101.7667	2.008	0.0174	7.3645	7.3819
101.8	2.0021	0.0437	7.404	7.4476
101.8333	2.0021	0.0174	7.4566	7.4739
101.8667	2.0014	0.0042	7.5013	7.5055
101.9	1.9968	0.0174	7.5447	7.562
101.9333	1.9955	0.0042	7.5855	7.5897
101.9667	1.9971	0.0174	7.6367	7.6541
102	2.0001	0.0305	7.6696	7.7001
102.0333	2.0014	0.0042	7.7196	7.7238
102.0667	2.0017	0	7.7603	7.7603
102.1	2.0021	0.0042	7.7985	7.8027
102.1333	2.0034	0.0042	7.8327	7.8369
102.1667	1.9997	0.0042	7.8813	7.8855
102.2	1.9991	0.0305	7.9155	7.946
102.2333	2.004	0.0042	7.9628	7.9671
102.2667	2.0014	0.0042	7.9931	7.9973
102.3	2.004	0.0174	8.0378	8.0552
102.3333	2.0063	0.0437	8.0733	8.117
102.3667	2.007	0.0437	8.1101	8.1538
102.4	2.0057	0.0174	8.1469	8.1643
102.4333	2.005	0.0305	8.1877	8.2182
102.4667	2.0053	0.0305	8.2206	8.2511
102.5	2.005	0.0042	8.2495	8.2537
102.5333	2.0067	0.0174	8.2824	8.2997
102.5667	2.007	0.0174	8.3179	8.3353
102.6	2.0103	0.0174	8.3547	8.3721
102.6333	2.007	0.0174	8.385	8.4023
102.6667	2.007	0.0305	8.4284	8.4589
102.7	2.0109	0.0305	8.4573	8.4878
102.7333	2.01	0.0042	8.4888	8.493
102.7667	2.0093	0.0042	8.5125	8.5167
102.8	2.009	0.0174	8.5441	8.5614
102.8333	2.0096	0.0174	8.5717	8.589
102.8667	2.0103	0.0305	8.6032	8.6338
102.9	2.008	0.0174	8.6309	8.6482
102.9333	2.01	0.0174	8.6664	8.6837
102.9667	2.0123	0.0305	8.6953	8.7258
103	2.0113	0.0437	8.7308	8.7745
103.0333	2.0109	0.0042	8.765	8.7692
103.0667	2.0109	0.0042	8.7873	8.7915
103.1	2.0119	0.0174	8.8136	8.831
103.1333	2.0119	0.0305	8.8426	8.8731
103.1667	2.0109	0.0042	8.8702	8.8744

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
103.2	2.0123	0.0174	8.9031	8.9204
103.2333	2.0119	0.0174	8.9333	8.9507
103.2667	2.0113	0.0174	8.9622	8.9796
103.3	2.0152	0.0174	8.9833	9.0006
103.3333	2.0149	0.0174	9.0161	9.0335
103.3667	2.0132	0.0174	9.0319	9.0493
103.4	2.0162	0.0174	9.0714	9.0887
103.4333	2.0185	0.0042	9.0872	9.0914
103.4667	2.0218	0.0042	9.1135	9.1177
103.5	2.0205	0.0042	9.1384	9.1426
103.5333	2.0218	0.0174	9.1595	9.1768
103.5667	2.0231	0.0174	9.1818	9.1992
103.6	2.0244	0.0174	9.2094	9.2268
103.6333	2.0225	0.0305	9.2305	9.261
103.6667	2.0251	0.0042	9.2607	9.2649
103.7	2.0238	0.0174	9.2831	9.3004
103.7333	2.0258	0.0174	9.3146	9.332
103.7667	2.0281	0.0174	9.3344	9.3517
103.8	2.0284	0.0174	9.3646	9.382
103.8333	2.0297	0	9.387	9.387
103.8667	2.0317	0.0174	9.4067	9.4241
103.9	2.0307	0.0305	9.4317	9.4622
103.9333	2.03	0.0174	9.4435	9.4609
103.9667	2.029	0.0174	9.4816	9.499
104	2.0287	0.0174	9.5014	9.5187
104.0333	2.0304	0.0174	9.525	9.5424
104.0667	2.029	0.0174	9.5382	9.5555
104.1	2.0304	0.0042	9.5605	9.5648
104.1333	2.032	0.0042	9.5829	9.5871
104.1667	2.0313	0.0174	9.6066	9.6239
104.2	2.0307	0.0042	9.6289	9.6331
104.2333	2.0353	0.0174	9.6552	9.6726
104.2667	2.0337	0.0174	9.6684	9.6857
104.3	2.032	0.0042	9.6907	9.6949
104.3333	2.0294	0.0042	9.7131	9.7173
104.3667	2.0304	0.0174	9.7131	9.7304
104.4	2.0307	0.0042	9.7433	9.7475
104.4333	2.031	0.0174	9.7578	9.7751
104.4667	2.0277	0.0174	9.7683	9.7857
104.5	2.029	0.0042	9.7959	9.8001
104.5333	2.031	0.0174	9.8156	9.833
104.5667	2.0277	0	9.8354	9.8354
104.6	2.0304	0.0174	9.8525	9.8698

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
104.6333	2.0277	0.0174	9.8748	9.8922
104.6667	2.03	0.0174	9.8867	9.904
104.7	2.029	0.0174	9.909	9.9264
104.7333	2.0264	0.0174	9.9274	9.9448
104.7667	2.0254	0.0174	9.9458	9.9632
104.8	2.0267	0.0174	9.959	9.9763
104.8333	2.029	0.0174	9.9734	9.9908
104.8667	2.0277	0.0042	9.9958	10
104.9	2.0264	0.0305	10.0195	10.05
104.9333	2.0244	0.0042	10.0234	10.0276
104.9667	2.0277	0.0174	10.0353	10.0526
105	2.0241	0.0042	10.0642	10.0684
105.0333	2.0261	0.0042	10.0734	10.0776
105.0667	2.0287	0.0174	10.0918	10.1092
105.1	2.0241	0.0042	10.1036	10.1078
105.1333	2.0241	0.0042	10.1207	10.1249
105.1667	2.0228	0.0174	10.1339	10.1512
105.2	2.0248	0.0174	10.1523	10.1696
105.2333	2.0244	0.0174	10.1667	10.1841
105.2667	2.0238	0.0174	10.1825	10.1999
105.3	2.0251	0.0042	10.1957	10.1999
105.3333	2.0267	0.0174	10.2207	10.238
105.3667	2.0238	0.0437	10.2272	10.2709
105.4	2.0264	0.0305	10.2351	10.2656
105.4333	2.0228	0.0042	10.2575	10.2617
105.4667	2.0238	0.0042	10.2693	10.2735
105.5	2.0248	0.0042	10.2864	10.2906
105.5333	2.0218	0.0174	10.3048	10.3222
105.5667	2.0221	0.0174	10.3088	10.3261
105.6	2.0211	0.0174	10.3245	10.3419
105.6333	2.0228	0.0042	10.3337	10.338
105.6667	2.0248	0.0042	10.3364	10.3406
105.7	2.0202	0.0174	10.3561	10.3735
105.7333	2.0261	0.0042	10.3732	10.3774
105.7667	2.0442	0.0174	10.3798	10.3971
105.8	2.0764	0.0174	10.4034	10.4208
105.8333	2.1117	0.0042	10.4126	10.4169
105.8667	2.1419	0.0305	10.4311	10.4616
105.9	2.1788	0	10.4626	10.4626
105.9333	2.2154	0.0042	10.481	10.4852
105.9667	2.247	0.0174	10.5086	10.526
106	2.2812	0.0174	10.5336	10.551
106.0333	2.3105	0.0042	10.5612	10.5654

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
106.0667	2.3441	0.0305	10.581	10.6115
106.1	2.376	0.0042	10.6125	10.6167
106.1333	2.4046	0.0174	10.6375	10.6549
106.1667	2.431	0.0042	10.6664	10.6706
106.2	2.4471	0.0042	10.7059	10.7101
106.2333	2.4425	0.0174	10.7296	10.7469
106.2667	2.43	0.0174	10.7559	10.7732
106.3	2.4125	0.0042	10.7953	10.7995
106.3333	2.4	0.0042	10.8216	10.8258
106.3667	2.3921	0.0174	10.8558	10.8732
106.4	2.3911	0.0042	10.8742	10.8784
106.4333	2.3878	0.0042	10.9018	10.906
106.4667	2.3845	0.0305	10.9294	10.9599
106.5	2.3859	0.0042	10.9531	10.9573
106.5333	2.3878	0.0174	10.9755	10.9928
106.5667	2.3865	0.0174	11.0057	11.0231
106.6	2.3862	0.0042	11.0333	11.0375
106.6333	2.3901	0.0042	11.0478	11.052
106.6667	2.3957	0.0305	11.0728	11.1033
106.7	2.3987	0.0042	11.0964	11.1006
106.7333	2.405	0.0174	11.1241	11.1414
106.7667	2.4105	0.0174	11.1451	11.1624
106.8	2.4145	0.0174	11.1701	11.1874
106.8333	2.4184	0.0437	11.1911	11.2348
106.8667	2.4296	0.0305	11.2174	11.2479
106.9	2.4326	0.0174	11.2371	11.2545
106.9333	2.4421	0.0174	11.2595	11.2769
106.9667	2.4425	0.0042	11.2858	11.29
107	2.4468	0.0305	11.3095	11.34
107.0333	2.456	0	11.3358	11.3358
107.0667	2.4573	0.0042	11.3581	11.3623
107.1	2.4589	0.0174	11.37	11.3873
107.1333	2.4622	0.0305	11.3989	11.4294
107.1667	2.4682	0.0174	11.4265	11.4439
107.2	2.4682	0.0174	11.4475	11.4649
107.2333	2.4705	0.0305	11.462	11.4925
107.2667	2.4695	0.0042	11.483	11.4872
107.3	2.4675	0.0042	11.5146	11.5188
107.3333	2.4675	0.0174	11.5317	11.5491
107.3667	2.4688	0.0042	11.558	11.5622
107.4	2.4649	0.0174	11.579	11.5964
107.4333	2.4685	0.0174	11.5948	11.6122
107.4667	2.4635	0.0042	11.6224	11.6266

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
107.5	2.4642	0.0042	11.6382	11.6424
107.5333	2.4655	0.0305	11.6461	11.6766
107.5667	2.4612	0.0042	11.6763	11.6805
107.6	2.4639	0.0174	11.6882	11.7055
107.6333	2.4622	0.0174	11.7053	11.7226
107.6667	2.4599	0.0305	11.7184	11.7489
107.7	2.4589	0.0305	11.7447	11.7752
107.7333	2.4616	0.0174	11.7644	11.7818
107.7667	2.4603	0.0174	11.775	11.7923
107.8	2.4593	0.0174	11.8039	11.8213
107.8333	2.4573	0.0042	11.817	11.8213
107.8667	2.4576	0.0174	11.8289	11.8462
107.9	2.4596	0.0042	11.842	11.8462
107.9333	2.4573	0.0042	11.8618	11.866
107.9667	2.4603	0.0174	11.8815	11.8988
108	2.455	0.0042	11.892	11.8962
108.0333	2.4579	0.0174	11.9249	11.9422
108.0667	2.4524	0.0174	11.9367	11.9541
108.1	2.4563	0.0174	11.9564	11.9738
108.1333	2.457	0.0042	11.9709	11.9751
108.1667	2.4517	0.0042	11.9748	11.979
108.2	2.4556	0.0174	11.9919	12.0093
108.2333	2.4507	0.0042	12.0117	12.0159
108.2667	2.4533	0.0174	12.0353	12.0527
108.3	2.455	0	12.0419	12.0419
108.3333	2.4537	0.0174	12.0498	12.0672
108.3667	2.4514	0.0174	12.0603	12.0777
108.4	2.4533	0.0174	12.0748	12.0921
108.4333	2.4494	0.0042	12.0906	12.0948
108.4667	2.4484	0.0305	12.105	12.1355
108.5	2.4441	0.0174	12.1234	12.1408
108.5333	2.4415	0.0042	12.1418	12.146
108.5667	2.4402	0.0042	12.1589	12.1631
108.6	2.4379	0.0042	12.1616	12.1658
108.6333	2.4339	0.0042	12.1852	12.1894
108.6667	2.4316	0.0174	12.1866	12.2039
108.7	2.43	0.0305	12.1905	12.221
108.7333	2.4267	0.0174	12.1971	12.2144
108.7667	2.425	0.0042	12.2142	12.2184
108.8	2.426	0.0174	12.2286	12.246
108.8333	2.4234	0.0042	12.2365	12.2407
108.8667	2.4204	0.0042	12.2562	12.2605
108.9	2.4175	0.0174	12.2628	12.2802

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
108.9333	2.4175	0.0305	12.276	12.3065
108.9667	2.4148	0.0305	12.2786	12.3091
109	2.4168	0.0174	12.3049	12.3223
109.0333	2.4096	0.0042	12.3049	12.3091
109.0667	2.4112	0.0174	12.3207	12.338
109.1	2.4102	0.0174	12.3207	12.338
109.1333	2.4129	0.0174	12.3325	12.3499
109.1667	2.4069	0.0042	12.343	12.3472
109.2	2.4063	0.0305	12.3588	12.3893
109.2333	2.4056	0.0174	12.3601	12.3775
109.2667	2.4096	0.0174	12.3693	12.3867
109.3	2.4082	0.0174	12.3956	12.413
109.3333	2.4105	0.0174	12.3812	12.3985
109.3667	2.4112	0.0174	12.4048	12.4222
109.4	2.4142	0.0042	12.4127	12.4169
109.4333	2.4125	0.0174	12.4154	12.4327
109.4667	2.4158	0.0042	12.4259	12.4301
109.5	2.4158	0.0042	12.4311	12.4353
109.5333	2.4148	0.0042	12.439	12.4432
109.5667	2.4138	0.0174	12.4588	12.4761
109.6	2.4135	0.0174	12.4693	12.4866
109.6333	2.4175	0.0174	12.4758	12.4932
109.6667	2.4366	0.0042	12.4601	12.4643
109.7	2.4313	0.0305	12.489	12.5195
109.7333	2.4296	0.0174	12.5061	12.5234
109.7667	2.427	0.0042	12.51	12.5142
109.8	2.427	0.0174	12.5271	12.5445
109.8333	2.4254	0.0042	12.5363	12.5405
109.8667	2.4198	0.0174	12.5508	12.5682
109.9	2.4175	0.0174	12.5482	12.5655
109.9333	2.4194	0.0305	12.5666	12.5971
109.9667	2.4168	0.0174	12.5718	12.5892
110	2.4152	0.0042	12.5784	12.5826
110.0333	2.4145	0.0174	12.5876	12.605
110.0667	2.4148	0.0042	12.5837	12.5879
110.1	2.4099	0.0305	12.6021	12.6326
110.1333	2.4105	0.0174	12.6126	12.63
110.1667	2.4122	0.0174	12.6205	12.6379
110.2	2.4092	0.0305	12.635	12.6655
110.2333	2.4079	0.0174	12.635	12.6523
110.2667	2.4073	0.0305	12.6468	12.6773
110.3	2.4099	0.0174	12.6468	12.6641
110.3333	2.4073	0.0305	12.6599	12.6904

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
110.3667	2.4059	0.0042	12.6639	12.6681
110.4	2.4086	0.0042	12.6705	12.6747
110.4333	2.4079	0.0305	12.6784	12.7089
110.4667	2.4115	0.0042	12.6784	12.6826
110.5	2.4109	0.0174	12.6994	12.7167
110.5333	2.4161	0.0305	12.702	12.7325
110.5667	2.4178	0.0042	12.706	12.7102
110.6	2.4191	0.0042	12.7244	12.7286
110.6333	2.4201	0.0174	12.7217	12.7391
110.6667	2.4201	0.0174	12.7349	12.7523
110.7	2.4231	0.0042	12.7467	12.7509
110.7333	2.424	0.0305	12.7375	12.768
110.7667	2.4231	0.0174	12.7467	12.7641
110.8	2.427	0.0174	12.7507	12.768
110.8333	2.4263	0.0042	12.7599	12.7641
110.8667	2.4287	0.0174	12.7665	12.7838
110.9	2.4306	0.0042	12.7783	12.7825
110.9333	2.429	0.0174	12.7822	12.7996
110.9667	2.4326	0.0174	12.7954	12.8127
111	2.43	0.0042	12.8006	12.8049
111.0333	2.43	0.0174	12.7967	12.8141
111.0667	2.4306	0.0174	12.8125	12.8298
111.1	2.428	0.0042	12.8375	12.8417
111.1333	2.4293	0.0174	12.8322	12.8496
111.1667	2.4263	0.0174	12.8309	12.8482
111.2	2.424	0.0174	12.8388	12.8561
111.2333	2.4231	0.0305	12.8427	12.8732
111.2667	2.424	0.0042	12.8611	12.8653
111.3	2.4231	0.0174	12.8532	12.8706
111.3333	2.4211	0.0174	12.8743	12.8916
111.3667	2.4208	0.0174	12.8861	12.9035
111.4	2.4198	0.0174	12.8835	12.9008
111.4333	2.4175	0.0305	12.8887	12.9193
111.4667	2.4178	0.0174	12.9006	12.9179
111.5	2.4201	0.0305	12.9072	12.9377
111.5333	2.4201	0.0174	12.9085	12.9258
111.5667	2.4175	0.0174	12.9229	12.9403
111.6	2.4165	0.0174	12.9177	12.935
111.6333	2.4181	0.0305	12.9269	12.9574
111.6667	2.4152	0.0042	12.9308	12.935
111.7	2.4142	0.0174	12.9308	12.9482
111.7333	2.4142	0.0042	12.9598	12.964
111.7667	2.4165	0.0174	12.9624	12.9797

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
111.8	2.4148	0.0174	12.9506	12.9679
111.8333	2.4109	0.0042	12.9611	12.9653
111.8667	2.4142	0.0042	12.969	12.9732
111.9	2.4115	0.0174	12.9834	13.0008
111.9333	2.4109	0.0174	12.969	12.9863
111.9667	2.4132	0.0305	12.9755	13.006
112	2.4099	0.0042	13.0005	13.0047
112.0333	2.4109	0.0042	12.9979	13.0021
112.0667	2.4082	0.0042	13.011	13.0152
112.1	2.4115	0.0174	13.011	13.0284
112.1333	2.4109	0.0174	13.0084	13.0258
112.1667	2.4132	0.0305	13.0255	13.056
112.2	2.4132	0.0174	13.0137	13.031
112.2333	2.4125	0.0174	13.0452	13.0626
112.2667	2.4135	0.0042	13.0373	13.0415
112.3	2.4122	0.0305	13.0216	13.0521
112.3333	2.4178	0.0042	13.0479	13.0521
112.3667	2.3928	0.0174	13.0479	13.0652
112.4	2.3131	0.0042	13.0426	13.0468
112.4333	2.2404	0	13.036	13.036
112.4667	2.1633	0.0174	13.0413	13.0586
112.5	-0.524	0.0042	13.0163	13.0205
112.5333	-0.5266	0.0042	13.0176	13.0218
112.5667	-0.521	0.0042	12.9953	12.9995
112.6	-0.5177	0.0174	12.9532	12.9705
112.6333	-0.5197	0.0042	12.9203	12.9245
112.6667	-0.4776	0.0174	12.2129	12.2302
112.7	-0.0022	0.0042	11.0189	11.0231
112.7333	-0.0059	0.0305	0.3189	0.3494
112.7667	-0.0055	0.0174	0.0007	0.018
112.8	-0.0072	0.0174	0	0.0174
112.8333	-0.0069	0.0174	0.0033	0.0207
112.8667	-0.0059	0.0174	0.0007	0.018
112.9	-0.0039	0.0174	0.0007	0.018
112.9333	-0.0062	0.0042	0.0007	0.0049
112.9667	-0.0052	0.0305	0.0007	0.0312
113	-0.0042	0.0174	0.0007	0.018
113.0333	-0.0049	0.0305	0.002	0.0325
113.0667	-0.0049	0.0174	0.0007	0.018
113.1	-0.0046	0.0042	0	0.0042
113.1333	-0.0026	0.0174	0.002	0.0194
113.1667	-0.0026	0.0174	0.0033	0.0207
113.2	-0.0036	0.0174	0	0.0174

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
113.2333	-0.0055	0.0174	0.002	0.0194
113.2667	-0.0075	0.0174	0.002	0.0194
113.3	-0.0026	0.0042	0.002	0.0062
113.3333	-0.0036	0.0042	0.0007	0.0049
113.3667	-0.0062	0.0174	0.002	0.0194
113.4	-0.0032	0.0042	0.0007	0.0049
113.4333	-0.0055	0.0174	0.002	0.0194
113.4667	-0.0055	0.0305	0.002	0.0325
113.5	-0.0052	0.0042	0	0.0042
113.5333	-0.0055	0.0042	0.0033	0.0075
113.5667	-0.0065	0.0174	0.002	0.0194
113.6	-0.0052	0.0174	0.0033	0.0207
113.6333	-0.0075	0.0174	0.0007	0.018
113.6667	-0.0039	0.0174	0.0007	0.018
113.7	-0.0065	0.0174	0	0.0174
113.7333	-0.0062	0.0042	0.0033	0.0075
113.7667	-0.0029	0.0174	0.002	0.0194
113.8	-0.0019	0.0174	0.0007	0.018
113.8333	-0.0032	0.0174	0.002	0.0194
113.8667	-0.0059	0.0042	0.0007	0.0049
113.9	-0.0049	0.0042	0.002	0.0062
113.9333	-0.0036	0.0042	0.002	0.0062
113.9667	-0.0039	0.0042	0.0007	0.0049
114	-0.0046	0.0174	0.0007	0.018
114.0333	-0.0039	0.0174	0.002	0.0194
114.0667	-0.0052	0.0174	0.002	0.0194
114.1	-0.0052	0.0042	0.002	0.0062
114.1333	-0.0065	0.0042	0.002	0.0062
114.1667	-0.0052	0.0174	0.002	0.0194
114.2	-0.0026	0.0174	0.002	0.0194
114.2333	-0.0039	0.0174	0.002	0.0194
114.2667	-0.0049	0.0174	0.002	0.0194
114.3	-0.0075	0.0174	0.002	0.0194
114.3333	-0.0072	0.0305	0.0007	0.0312
114.3667	-0.0065	0.0174	0.0007	0.018
114.4	-0.0069	0.0042	0.0007	0.0049
114.4333	-0.0052	0.0174	0.0033	0.0207
114.4667	-0.0046	0.0174	0.002	0.0194
114.5	-0.0062	0.0174	0.0007	0.018
114.5333	-0.0069	0.0174	0.002	0.0194
114.5667	-0.0055	0.0174	0.0033	0.0207
114.6	-0.0016	0.0042	0.002	0.0062
114.6333	-0.0036	0.0174	0.0033	0.0207

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
114.6667	-0.0039	0.0042	0.0033	0.0075
114.7	-0.0078	0.0305	0.0033	0.0338
114.7333	-0.0003	0.0174	0.002	0.0194
114.7667	-0.0036	0.0174	0.0007	0.018
114.8	-0.0075	0.0174	0.002	0.0194
114.8333	-0.0069	0.0174	0.002	0.0194
114.8667	-0.0042	0.0174	0.002	0.0194
114.9	-0.0046	0.0174	0.002	0.0194
114.9333	-0.0039	0.0174	0.0033	0.0207
114.9667	-0.0055	0.0174	0.0033	0.0207
115	-0.0069	0.0174	0.002	0.0194
115.0333	-0.0055	0.0174	0.002	0.0194
115.0667	-0.0026	0.0305	0.0007	0.0312
115.1	-0.0032	0.0305	0.002	0.0325
115.1333	-0.0062	0.0174	0.002	0.0194
115.1667	-0.0032	0.0305	0.0033	0.0338
115.2	-0.0065	0.0305	0.002	0.0325
115.2333	-0.0042	0.0305	0.0007	0.0312
115.2667	-0.0032	0.0042	0.002	0.0062
115.3	-0.0065	0.0042	0.002	0.0062
115.3333	-0.0046	0.0174	0.0007	0.018
115.3667	-0.0039	0.0174	0.002	0.0194
115.4	-0.0049	0	0.002	0.002
115.4333	-0.0052	0.0305	0.002	0.0325
115.4667	-0.0065	0.0174	0.002	0.0194
115.5	-0.0059	0.0305	0.002	0.0325
115.5333	-0.0078	0.0042	0.0007	0.0049
115.5667	-0.0046	0.0174	0.002	0.0194
115.6	-0.0039	0.0437	0.002	0.0457
115.6333	-0.0072	0.0042	0	0.0042
115.6667	-0.0036	0.0174	0.002	0.0194
115.7	-0.0059	0.0174	0.002	0.0194
115.7333	-0.0032	0.0174	0.002	0.0194
115.7667	-0.0075	0.0042	0.002	0.0062
115.8	-0.0032	0.0174	0.002	0.0194
115.8333	-0.0055	0.0042	0.0033	0.0075
115.8667	-0.0075	0.0174	0.002	0.0194
115.9	-0.0052	0.0042	0.002	0.0062
115.9333	-0.0052	0.0174	0.0033	0.0207
115.9667	-0.0046	0.0174	0	0.0174
116	-0.0049	0.0174	0.002	0.0194
116.0333	-0.0046	0.0042	0.0007	0.0049
116.0667	-0.0078	0.0174	0.0033	0.0207

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
116.1	-0.0078	0.0174	0.002	0.0194
116.1333	-0.0032	0.0042	0.0007	0.0049
116.1667	-0.0065	0.0042	0	0.0042
116.2	-0.0062	0.0174	0	0.0174
116.2333	-0.0046	0.0042	0	0.0042
116.2667	-0.0059	0.0042	0.0007	0.0049
116.3	-0.0092	0.0042	0.002	0.0062
116.3333	-0.0052	0.0305	0.0007	0.0312
116.3667	-0.0115	0.0042	0.0007	0.0049
116.4	-0.0121	0.0174	0.002	0.0194
116.4333	-0.0134	0.0174	0.002	0.0194
116.4667	-0.0121	0.0174	0.002	0.0194
116.5	-0.0131	0.0174	0.002	0.0194
116.5333	-0.0171	0.0174	0.002	0.0194
116.5667	-0.019	0.0174	0.002	0.0194
116.6	-0.0204	0.0174	0.002	0.0194
116.6333	-0.0204	0	0.002	0.002
116.6667	-0.0194	0.0042	0.002	0.0062
116.7	-0.02	0.0174	0.0007	0.018
116.7333	-0.0194	0.0042	0.0007	0.0049
116.7667	-0.022	0.0437	0.0007	0.0443
116.8	-0.0227	0.0174	0.002	0.0194
116.8333	-0.022	0.0042	0.002	0.0062
116.8667	-0.0263	0.0174	0.0007	0.018
116.9	-0.0243	0.0174	0.0007	0.018
116.9333	-0.025	0.0305	0	0.0305
116.9667	-0.0243	0.0042	0.0007	0.0049
117	-0.0292	0.0174	0.816	0.8333
117.0333	-0.0266	0.0042	0.8304	0.8346
117.0667	-0.0246	0.0174	0.8383	0.8557
117.1	-0.0256	0.0042	0.8541	0.8583
117.1333	-0.0259	0.0174	0.8594	0.8767
117.1667	-0.0266	0.0174	0.8699	0.8872
117.2	-0.0269	0.0042	0.8751	0.8793
117.2333	-0.0246	0.0174	0.883	0.9004
117.2667	-0.0236	0.0174	0.8922	0.9096
117.3	-0.023	0.0174	0.8975	0.9149
117.3333	-0.023	0.0042	0.9028	0.907
117.3667	-0.021	0.0174	0.9054	0.9227
117.4	-0.0154	0.0042	0.6319	0.6361
117.4333	-0.0088	0.0042	0.3557	0.3599
117.4667	-0.0039	0.0042	0.0033	0.0075
117.5	-0.0006	0.0174	0.002	0.0194

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
117.5333	0.004	0.0174	0.0007	0.018
117.5667	0.0017	0.0042	0.002	0.0062
117.6	0.0017	0.0042	0.002	0.0062
117.6333	-0.0003	0.0305	0.0007	0.0312
117.6667	-0.0016	0.0042	0.0033	0.0075
117.7	0.0478	0.0174	0.0033	0.0207
117.7333	0.1087	0.0174	0.002	0.0194
117.7667	0.1729	0.0174	0.0033	0.0207
117.8	0.2321	0.0174	0.002	0.0194
117.8333	0.3088	0.0305	0.0007	0.0312
117.8667	0.3845	0.0174	0.0007	0.018
117.9	0.4563	0.0174	0.0033	0.0207
117.9333	0.5287	0.0042	0.0007	0.0049
117.9667	0.5995	0.0042	0.9028	0.907
118	0.6683	0.0305	1.0132	1.0437
118.0333	0.7331	0.0174	1.1224	1.1397
118.0667	0.7957	0.0305	1.2394	1.2699
118.1	0.8549	0.0174	1.3591	1.3764
118.1333	0.9165	0.0042	1.4827	1.4869
118.1667	0.9767	0.0174	1.605	1.6223
118.2	1.0359	0.0174	1.7351	1.7525
118.2333	1.0896	0.0174	1.8535	1.8708
118.2667	1.1433	0.0305	1.9771	2.0076
118.3	1.1969	0	2.0994	2.0994
118.3333	1.2509	0.0305	2.2256	2.2561
118.3667	1.3045	0.0042	2.3558	2.36
118.4	1.3533	0.0042	2.4768	2.481
118.4333	1.4026	0.0042	2.5978	2.602
118.4667	1.4507	0.0042	2.7253	2.7295
118.5	1.4994	0.0305	2.8542	2.8847
118.5333	1.5491	0.0174	2.9778	2.9951
118.5667	1.5929	0.0042	3.104	3.1082
118.6	1.636	0.0042	3.2237	3.2279
118.6333	1.6834	0	3.3552	3.3552
118.6667	1.7275	0.0174	3.4709	3.4883
118.7	1.7716	0.0042	3.5985	3.6027
118.7333	1.8121	0.0174	3.7234	3.7407
118.7667	1.8533	0.0305	3.847	3.8775
118.8	1.8961	0.0174	3.9693	3.9866
118.8333	1.9369	0.0174	4.0797	4.0971
118.8667	1.9777	0.0305	4.2033	4.2338
118.9	2.0162	0.0042	4.3191	4.3233
118.9333	2.0557	0.0174	4.4361	4.4534

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
118.9667	2.0942	0.0437	4.5479	4.5915
119	2.1186	0.0174	4.6531	4.6704
119.0333	2.114	0.0042	4.7767	4.7809
119.0667	2.0909	0.0305	4.8911	4.9216
119.1	2.0656	0.0042	4.9897	4.9939
119.1333	2.0409	0.0305	5.0896	5.1201
119.1667	2.0225	0.0305	5.1922	5.2227
119.2	2.0027	0.0174	5.2869	5.3042
119.2333	1.9843	0.0042	5.3802	5.3844
119.2667	1.9932	0.0042	5.4644	5.4686
119.3	2.0021	0.0174	5.5538	5.5712
119.3333	2.0116	0.0042	5.638	5.6422
119.3667	2.0281	0.0174	5.7169	5.7342
119.4	2.0333	0.0174	5.7997	5.8171
119.4333	2.0435	0.0042	5.872	5.8762
119.4667	2.0465	0.0174	5.943	5.9604
119.5	2.0531	0.0174	6.0298	6.0472
119.5333	2.0669	0.0042	6.1101	6.1143
119.5667	2.083	0.0042	6.1889	6.1932
119.6	2.1021	0.0174	6.2797	6.297
119.6333	2.1304	0.0174	6.352	6.3694
119.6667	2.1531	0.0174	6.4375	6.4548
119.7	2.1729	0.0305	6.5137	6.5443
119.7333	2.1946	0.0305	6.5966	6.6271
119.7667	2.217	0.0305	6.6781	6.7086
119.8	2.2391	0.0305	6.7675	6.798
119.8333	2.2575	0.0174	6.8359	6.8533
119.8667	2.2802	0.0437	6.928	6.9716
119.9	2.2963	0.0174	7.0121	7.0295
119.9333	2.3174	0.0174	7.0923	7.1097
119.9667	2.3358	0.0042	7.1712	7.1754
120	2.3543	0.0174	7.2567	7.2741
120.0333	2.372	0.0042	7.333	7.3372
120.0667	2.3872	0.0174	7.4237	7.4411
120.1	2.4076	0.0174	7.4921	7.5094
120.1333	2.4217	0.0174	7.5802	7.5976
120.1667	2.4366	0.0174	7.6525	7.6699
120.2	2.4547	0.0305	7.7327	7.7632
120.2333	2.4616	0	7.8103	7.8103
120.2667	2.4705	0.0305	7.8879	7.9184
120.3	2.4823	0.0174	7.9576	7.9749
120.3333	2.4886	0.0174	8.0378	8.0552
120.3667	2.4974	0.0174	8.1128	8.1301

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
120.4	2.5024	0.0174	8.189	8.2064
120.4333	2.5109	0.0174	8.2679	8.2853
120.4667	2.5142	0.0305	8.3324	8.3629
120.5	2.5179	0.0174	8.3981	8.4155
120.5333	2.5142	0	8.4704	8.4704
120.5667	2.51	0.0305	8.5467	8.5772
120.6	2.4935	0.0305	8.5967	8.6272
120.6333	2.483	0.0174	8.665	8.6824
120.6667	2.4691	0.0174	8.719	8.7363
120.7	2.4635	0.0042	8.7768	8.781
120.7333	2.4514	0.0174	8.8465	8.8639
120.7667	2.4448	0.0042	8.8952	8.8994
120.8	2.4385	0.0437	8.9504	8.9941
120.8333	2.4313	0.0174	9.0043	9.0217
120.8667	2.4211	0.0174	9.0609	9.0782
120.9	2.4135	0.0042	9.1082	9.1124
120.9333	2.4115	0.0042	9.1542	9.1584
120.9667	2.4099	0.0042	9.22	9.2242
121	2.4115	0.0174	9.2712	9.2886
121.0333	2.4112	0.0174	9.312	9.3294
121.0667	2.4132	0.0174	9.3567	9.3741
121.1	2.4115	0.0174	9.4054	9.4227
121.1333	2.4152	0.0174	9.4593	9.4766
121.1667	2.4148	0.0174	9.5001	9.5174
121.2	2.4155	0.0174	9.5461	9.5634
121.2333	2.4165	0.0174	9.5895	9.6068
121.2667	2.4198	0.0305	9.6368	9.6673
121.3	2.4204	0.0174	9.6749	9.6923
121.3333	2.4198	0.0174	9.7157	9.7331
121.3667	2.4217	0.0042	9.7644	9.7686
121.4	2.424	0.0174	9.8091	9.8264
121.4333	2.4211	0.0174	9.8538	9.8711
121.4667	2.4184	0.0174	9.888	9.9053
121.5	2.4208	0.0042	9.9406	9.9448
121.5333	2.4204	0.0042	9.9892	9.9934
121.5667	2.4181	0.0174	10.0142	10.0316
121.6	2.4145	0.0305	10.0523	10.0829
121.6333	2.4142	0.0042	10.0918	10.096
121.6667	2.4135	0.0174	10.1312	10.1486
121.7	2.4129	0.0042	10.1707	10.1749
121.7333	2.4115	0.0305	10.2062	10.2367
121.7667	2.4152	0.0305	10.2509	10.2814
121.8	2.4129	0.0174	10.2759	10.2932

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
121.8333	2.4125	0.0174	10.3219	10.3393
121.8667	2.4089	0.0174	10.364	10.3814
121.9	2.4069	0.0305	10.389	10.4195
121.9333	2.4096	0.0174	10.4245	10.4418
121.9667	2.4069	0.0174	10.456	10.4734
122	2.4102	0.0174	10.4942	10.5115
122.0333	2.4069	0.0042	10.5284	10.5326
122.0667	2.4089	0.0042	10.5691	10.5733
122.1	2.4063	0.0174	10.5994	10.6167
122.1333	2.4086	0.0042	10.623	10.6273
122.1667	2.4079	0.0174	10.6625	10.6799
122.2	2.4066	0.0174	10.6927	10.7101
122.2333	2.4059	0.0174	10.7256	10.743
122.2667	2.4076	0.0042	10.748	10.7522
122.3	2.4086	0.0174	10.7927	10.81
122.3333	2.4079	0.0174	10.8269	10.8442
122.3667	2.4076	0.0174	10.8571	10.8745
122.4	2.4069	0.0174	10.8768	10.8942
122.4333	2.4089	0.0174	10.9071	10.9244
122.4667	2.4112	0.0042	10.9413	10.9455
122.5	2.4096	0.0174	10.9689	10.9862
122.5333	2.4089	0.0174	11.0031	11.0204
122.5667	2.4092	0.0042	11.0136	11.0178
122.6	2.4092	0.0042	11.0452	11.0494
122.6333	2.4086	0.0042	11.0859	11.0901
122.6667	2.4102	0.0174	11.107	11.1243
122.7	2.4059	0.0174	11.1254	11.1427
122.7333	2.4089	0.0174	11.1661	11.1835
122.7667	2.4099	0.0174	11.1806	11.198
122.8	2.4082	0.0174	11.2214	11.2387
122.8333	2.4086	0.0174	11.2398	11.2571
122.8667	2.4109	0.0042	11.2661	11.2703
122.9	2.4109	0.0174	11.2911	11.3084
122.9333	2.4099	0.0305	11.3213	11.3518
122.9667	2.4043	0.0174	11.3371	11.3544
123	2.4096	0.0042	11.37	11.3742
123.0333	2.4066	0.0042	11.3844	11.3886
123.0667	2.4096	0.0174	11.4212	11.4386
123.1	2.4082	0	11.4396	11.4396
123.1333	2.4046	0.0042	11.4633	11.4675
123.1667	2.4096	0.0042	11.4936	11.4978
123.2	2.4082	0.0174	11.5212	11.5385
123.2333	2.4089	0.0305	11.5475	11.578

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
123.2667	2.4056	0.0174	11.5554	11.5727
123.3	2.4059	0.0174	11.5896	11.6069
123.3333	2.4082	0.0174	11.6198	11.6372
123.3667	2.4059	0.0305	11.6408	11.6713
123.4	2.4043	0.0042	11.6606	11.6648
123.4333	2.4073	0.0174	11.6869	11.7042
123.4667	2.4069	0.0042	11.7132	11.7174
123.5	2.4066	0.0174	11.7342	11.7516
123.5333	2.4089	0.0174	11.7381	11.7555
123.5667	2.4079	0.0174	11.7684	11.7857
123.6	2.4076	0.0042	11.7894	11.7936
123.6333	2.4079	0.0305	11.8052	11.8357
123.6667	2.4046	0.0174	11.8368	11.8541
123.7	2.4079	0.0305	11.8565	11.887
123.7333	2.4076	0.0042	11.8578	11.862
123.7667	2.4099	0.0174	11.9012	11.9186
123.8	2.4082	0.0305	11.9196	11.9501
123.8333	2.4099	0.0174	11.938	11.9554
123.8667	2.4122	0.0305	11.9564	11.9869
123.9	2.4112	0.0042	11.984	11.9883
123.9333	2.4132	0.0174	11.9906	12.008
123.9667	2.4112	0.0305	12.0103	12.0409
124	2.4122	0.0174	12.0498	12.0672
124.0333	2.4152	0.0305	12.059	12.0895
124.0667	2.4142	0.0042	12.0814	12.0856
124.1	2.4148	0.0174	12.0945	12.1119
124.1333	2.4129	0.0305	12.1129	12.1434
124.1667	2.4161	0.0042	12.1287	12.1329
124.2	2.4181	0.0042	12.1576	12.1618
124.2333	2.4175	0.0174	12.1747	12.1921
124.2667	2.4168	0.0174	12.1734	12.1908
124.3	2.4194	0.0174	12.1958	12.2131
124.3333	2.4204	0.0305	12.2142	12.2447
124.3667	2.4211	0.0042	12.2431	12.2473
124.4	2.4175	0.0305	12.2615	12.292
124.4333	2.4204	0.0305	12.276	12.3065
124.4667	2.4208	0.0042	12.2839	12.2881
124.5	2.4214	0.0174	12.2996	12.317
124.5333	2.4208	0.0305	12.3233	12.3538
124.5667	2.4227	0.0174	12.3496	12.367
124.6	2.4204	0.0042	12.3549	12.3591
124.6333	2.4204	0.0042	12.3654	12.3696
124.6667	2.4221	0.0174	12.3838	12.4012

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
124.7	2.4244	0.0174	12.4114	12.4288
124.7333	2.4194	0.0174	12.4259	12.4432
124.7667	2.4227	0.0174	12.439	12.4564
124.8	2.424	0.0042	12.468	12.4722
124.8333	2.4204	0.0174	12.468	12.4853
124.8667	2.4191	0.0174	12.4798	12.4971
124.9	2.4175	0.0174	12.5087	12.5261
124.9333	2.4211	0.0174	12.5206	12.5379
124.9667	2.4231	0.0174	12.539	12.5563
125	2.4234	0.0174	12.5482	12.5655
125.0333	2.424	0.0174	12.5679	12.5853
125.0667	2.4224	0.0042	12.581	12.5853
125.1	2.424	0.0174	12.6073	12.6247
125.1333	2.424	0.0042	12.6073	12.6116
125.1667	2.4204	0.0305	12.6336	12.6641
125.2	2.4227	0.0305	12.6389	12.6694
125.2333	2.4194	0.0042	12.6521	12.6563
125.2667	2.4227	0.0305	12.6757	12.7062
125.3	2.4204	0.0174	12.6757	12.6931
125.3333	2.4175	0.0174	12.6889	12.7062
125.3667	2.3559	0.0042	12.7165	12.7207
125.4	2.2739	0.0305	12.7099	12.7404
125.4333	2.2019	0.0042	12.6994	12.7036
125.4667	2.1647	0.0305	12.0419	12.0724
125.5	2.134	0.0042	11.0728	11.077
125.5333	2.0429	0.0174	10.1694	10.1867
125.5667	-0.3515	0.0042	9.3528	9.357
125.6	-0.3199	0.0305	8.5506	8.5812
125.6333	-0.2873	0.0305	7.7866	7.8172
125.6667	-0.258	0.0042	7.0424	7.0466
125.7	-0.2221	0.0174	6.3349	6.3523
125.7333	-0.0032	0.0042	0.4583	0.4625
125.7667	-0.0065	0.0305	0.002	0.0325
125.8	-0.0075	0.0437	0.0033	0.047
125.8333	-0.0013	0.0042	0.002	0.0062
125.8667	-0.0062	0.0042	0.002	0.0062
125.9	-0.0029	0.0174	0	0.0174
125.9333	-0.0062	0.0174	0.002	0.0194
125.9667	-0.0052	0.0174	0.002	0.0194
126	-0.0052	0.0174	0.0007	0.018
126.0333	-0.0046	0.0174	0.002	0.0194
126.0667	-0.0072	0.0174	0.002	0.0194
126.1	-0.0026	0.0042	0.002	0.0062

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
126.1333	-0.0029	0.0174	0.002	0.0194
126.1667	-0.0059	0.0174	0.002	0.0194
126.2	-0.0072	0.0042	0.002	0.0062
126.2333	-0.0065	0.0305	0.0007	0.0312
126.2667	-0.0046	0.0042	0.002	0.0062
126.3	-0.0042	0	0.002	0.002
126.3333	-0.0046	0.0042	0.002	0.0062
126.3667	-0.0059	0.0174	0	0.0174
126.4	-0.0072	0.0042	0.0007	0.0049
126.4333	-0.0032	0.0174	0.0033	0.0207
126.4667	-0.0049	0.0174	0.002	0.0194
126.5	-0.0059	0.0042	0.0007	0.0049
126.5333	-0.0039	0.0174	0	0.0174
126.5667	-0.0052	0.0305	0.002	0.0325
126.6	-0.0082	0.0174	0.002	0.0194
126.6333	-0.0055	0.0042	0.002	0.0062
126.6667	-0.0049	0	0.0007	0.0007
126.7	-0.0052	0.0042	0.0007	0.0049
126.7333	-0.0042	0.0174	0.0007	0.018
126.7667	-0.0069	0.0305	0.002	0.0325
126.8	-0.0082	0.0174	0.002	0.0194
126.8333	-0.0059	0.0042	0.0007	0.0049
126.8667	-0.0032	0.0174	0.0007	0.018
126.9	-0.0032	0.0305	0.0007	0.0312
126.9333	-0.0032	0.0174	0.002	0.0194
126.9667	-0.0055	0.0174	0.002	0.0194
127	-0.0082	0.0174	0.002	0.0194
127.0333	-0.0039	0.0042	0.002	0.0062
127.0667	-0.0032	0.0174	0.0007	0.018
127.1	-0.0036	0.0174	0.0007	0.018
127.1333	-0.0036	0.0174	0.0033	0.0207
127.1667	-0.0042	0.0305	0.002	0.0325
127.2	-0.0075	0.0042	0.0007	0.0049
127.2333	-0.0032	0.0174	0.002	0.0194
127.2667	-0.0042	0.0042	0.002	0.0062
127.3	-0.0055	0.0174	0.002	0.0194
127.3333	-0.0075	0.0174	0.002	0.0194
127.3667	-0.0065	0.0174	0.002	0.0194
127.4	-0.0065	0.0305	0.002	0.0325
127.4333	-0.0062	0.0174	0.002	0.0194
127.4667	-0.0062	0.0174	0.002	0.0194
127.5	-0.0036	0.0042	0.0007	0.0049
127.5333	-0.0059	0.0174	0.0033	0.0207

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
127.5667	-0.0016	0.0305	0.002	0.0325
127.6	-0.0036	0.0174	0.002	0.0194
127.6333	-0.0059	0.0174	0.002	0.0194
127.6667	-0.0055	0.0305	0.0007	0.0312
127.7	-0.0046	0.0174	0.002	0.0194
127.7333	-0.0022	0.0174	0.0007	0.018
127.7667	-0.0062	0.0305	0.002	0.0325
127.8	-0.0055	0.0174	0.002	0.0194
127.8333	-0.0039	0.0305	0.002	0.0325
127.8667	-0.0039	0.0174	0.0007	0.018
127.9	-0.0052	0.0174	0.0033	0.0207
127.9333	-0.0052	0.0042	0.002	0.0062
127.9667	-0.0065	0.0305	0.002	0.0325
128	-0.0039	0.0042	0.0007	0.0049
128.0333	-0.0022	0.0174	0.002	0.0194
128.0667	-0.0022	0.0042	0.002	0.0062
128.1	-0.0062	0.0305	0.0007	0.0312
128.1333	-0.0065	0.0174	0.002	0.0194
128.1667	-0.0042	0.0042	0.0007	0.0049
128.2	-0.0059	0.0174	0.002	0.0194
128.2333	-0.0032	0.0174	0.0033	0.0207
128.2667	0.0014	0.0305	0.002	0.0325
128.3	0.0001	0.0042	0.002	0.0062
128.3333	-0.0013	0.0042	0.002	0.0062
128.3667	-0.0019	0.0305	0.002	0.0325
128.4	-0.0029	0.0042	0.002	0.0062
128.4333	-0.0059	0.0174	0.0007	0.018
128.4667	-0.0108	0.0305	0.002	0.0325
128.5	-0.0118	0.0174	0.0033	0.0207
128.5333	-0.0144	0.0174	0.0033	0.0207
128.5667	-0.0151	0.0174	0	0.0174
128.6	-0.0157	0.0042	0.0007	0.0049
128.6333	-0.0187	0.0174	0.0033	0.0207
128.6667	-0.0174	0.0042	0.0033	0.0075
128.7	-0.0154	0.0174	0.0007	0.018
128.7333	0.0501	0.0174	0.002	0.0194
128.7667	0.112	0.0174	0.0007	0.018
128.8	0.1739	0.0305	0.8436	0.8741
128.8333	0.241	0.0174	0.9093	0.9267
128.8667	0.3167	0.0174	0.9935	1.0108
128.9	0.4033	0.0174	1.0855	1.1029
128.9333	0.482	0.0042	1.1736	1.1778
128.9667	0.56	0.0174	1.2696	1.287

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
129	0.6353	0.0174	1.3696	1.3869
129.0333	0.7078	0.0042	1.48	1.4842
129.0667	0.7795	0.0042	1.5879	1.5921
129.1	0.848	0.0174	1.7036	1.7209
129.1333	0.9158	0.0305	1.8285	1.859
129.1667	0.9813	0.0305	1.9429	1.9734
129.2	1.0468	0.0042	2.0639	2.0681
129.2333	1.1117	0.0042	2.1796	2.1838
129.2667	1.1745	0.0174	2.3058	2.3232
129.3	1.2371	0.0174	2.4281	2.4455
129.3333	1.2966	0.0174	2.5478	2.5651
129.3667	1.3536	0.0174	2.6688	2.6861
129.4	1.4109	0.0174	2.7897	2.8071
129.4333	1.4688	0.0174	2.916	2.9333
129.4667	1.5221	0.0174	3.037	3.0543
129.5	1.5807	0.0568	3.1685	3.2253
129.5333	1.6344	0.0305	3.2894	3.3199
129.5667	1.6893	0.0174	3.4091	3.4265
129.6	1.7381	0.0042	3.534	3.5382
129.6333	1.7894	0.0174	3.6524	3.6697
129.6667	1.8434	0.0042	3.7786	3.7828
129.7	1.8901	0.0305	3.9035	3.934
129.7333	1.9402	0.0305	4.014	4.0445
129.7667	1.9905	0.0174	4.1323	4.1497
129.8	2.0373	0.0305	4.2533	4.2838
129.8333	2.085	0.0042	4.3743	4.3785
129.8667	2.1321	0.0305	4.4913	4.5218
129.9	2.1811	0.0042	4.607	4.6112
129.9333	2.2246	0.0042	4.728	4.7322
129.9667	2.2657	0.0305	4.8503	4.8808
130	2.3088	0.0042	4.9673	4.9715
130.0333	2.3513	0.0042	5.0936	5.0978
130.0667	2.3901	0.0174	5.2067	5.224
130.1	2.4263	0.0174	5.3276	5.345
130.1333	2.451	0.0042	5.4499	5.4541
130.1667	2.4652	0.0174	5.563	5.5804
130.2	2.4652	0.0174	5.6682	5.6856
130.2333	2.4672	0.0174	5.7787	5.796
130.2667	2.4698	0.0174	5.8707	5.8881
130.3	2.4754	0.0042	5.9746	5.9788
130.3333	2.4764	0.0042	6.0693	6.0735
130.3667	2.4777	0.0174	6.1797	6.1971
130.4	2.4767	0.0174	6.2784	6.2957

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
130.4333	2.4757	0.0174	6.3704	6.3878
130.4667	2.4761	0.0174	6.4559	6.4732
130.5	2.4744	0.0305	6.5453	6.5758
130.5333	2.4688	0.0174	6.6374	6.6547
130.5667	2.4642	0.0174	6.7347	6.752
130.6	2.4619	0.0174	6.8162	6.8335
130.6333	2.4576	0.0174	6.9043	6.9217
130.6667	2.456	0.0042	6.995	6.9992
130.7	2.4524	0.0174	7.0647	7.0821
130.7333	2.4517	0.0174	7.1528	7.1702
130.7667	2.4474	0.0174	7.2278	7.2451
130.8	2.4468	0.0042	7.3093	7.3135
130.8333	2.4454	0	7.3895	7.3895
130.8667	2.4458	0.0174	7.4553	7.4726
130.9	2.4421	0.0174	7.5342	7.5515
130.9333	2.4438	0.0174	7.5933	7.6107
130.9667	2.4435	0.0305	7.6722	7.7027
131	2.4392	0.0174	7.7327	7.7501
131.0333	2.4402	0.0305	7.7919	7.8224
131.0667	2.4372	0.0042	7.8524	7.8566
131.1	2.4398	0.0174	7.9168	7.9342
131.1333	2.4389	0.0305	7.9878	8.0183
131.1667	2.4405	0.0042	8.0325	8.0368
131.2	2.4392	0.0174	8.1022	8.1196
131.2333	2.4392	0.0174	8.1654	8.1827
131.2667	2.4392	0.0174	8.2166	8.234
131.3	2.4395	0.0174	8.2784	8.2958
131.3333	2.4359	0.0174	8.331	8.3484
131.3667	2.4405	0.0305	8.3863	8.4168
131.4	2.4372	0.0305	8.4376	8.4681
131.4333	2.4385	0.0042	8.4875	8.4917
131.4667	2.4395	0	8.5401	8.5401
131.5	2.4412	0.0042	8.5901	8.5943
131.5333	2.4385	0.0305	8.6493	8.6798
131.5667	2.4379	0.0042	8.7019	8.7061
131.6	2.4372	0.0305	8.7453	8.7758
131.6333	2.4398	0.0174	8.7965	8.8139
131.6667	2.4398	0.0174	8.8413	8.8586
131.7	2.4392	0.0042	8.886	8.8902
131.7333	2.4421	0.0174	8.9359	8.9533
131.7667	2.4431	0.0305	8.9728	9.0033
131.8	2.4398	0.0174	9.024	9.0414
131.8333	2.4435	0.0174	9.0727	9.09

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
131.8667	2.4412	0.0042	9.1095	9.1137
131.9	2.4402	0.0174	9.1529	9.1703
131.9333	2.4333	0.0174	9.1976	9.215
131.9667	2.4339	0.0174	9.2318	9.2492
132	2.4326	0.0042	9.2778	9.282
132.0333	2.427	0.0042	9.3199	9.3241
132.0667	2.4221	0.0174	9.3541	9.3715
132.1	2.4191	0.0305	9.3922	9.4227
132.1333	2.4168	0.0174	9.433	9.4503
132.1667	2.4178	0.0174	9.4659	9.4832
132.2	2.4152	0.0042	9.5145	9.5187
132.2333	2.4129	0.0042	9.5474	9.5516
132.2667	2.4086	0.0174	9.5763	9.5937
132.3	2.4082	0.0174	9.6053	9.6226
132.3333	2.4086	0.0174	9.6539	9.6713
132.3667	2.4086	0.0042	9.6855	9.6897
132.4	2.4082	0.0174	9.7183	9.7357
132.4333	2.4089	0.0042	9.7565	9.7607
132.4667	2.4082	0	9.7801	9.7801
132.5	2.4115	0.0305	9.813	9.8435
132.5333	2.4112	0.0042	9.8406	9.8448
132.5667	2.4119	0.0174	9.8722	9.8896
132.6	2.4122	0.0042	9.9143	9.9185
132.6333	2.4158	0.0042	9.9445	9.9487
132.6667	2.4109	0.0174	9.9761	9.9934
132.7	2.4115	0.0174	10.0116	10.0289
132.7333	2.4168	0.0042	10.0431	10.0473
132.7667	2.4155	0.0174	10.0642	10.0815
132.8	2.4129	0.0042	10.1036	10.1078
132.8333	2.4175	0.0305	10.122	10.1525
132.8667	2.4148	0.0305	10.1694	10.1999
132.9	2.4168	0.0174	10.1852	10.2025
132.9333	2.4155	0.0174	10.2049	10.2222
132.9667	2.4155	0.0174	10.2509	10.2683
133	2.4161	0.0042	10.2733	10.2775
133.0333	2.4142	0.0174	10.3022	10.3195
133.0667	2.4171	0.0174	10.3285	10.3458
133.1	2.4152	0.0174	10.364	10.3814
133.1333	2.4175	0.0042	10.3929	10.3971
133.1667	2.4188	0.0174	10.4074	10.4247
133.2	2.4227	0.0042	10.4508	10.455
133.2333	2.4204	0.0042	10.4771	10.4813
133.2667	2.4214	0.0174	10.4902	10.5076

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
133.3	2.4234	0.0042	10.5284	10.5326
133.3333	2.4217	0.0174	10.5455	10.5628
133.3667	2.425	0.0174	10.5691	10.5865
133.4	2.4263	0.0042	10.602	10.6062
133.4333	2.426	0.0042	10.627	10.6312
133.4667	2.4277	0.0174	10.6533	10.6706
133.5	2.43	0.0305	10.6796	10.7101
133.5333	2.4283	0.0174	10.7019	10.7193
133.5667	2.4273	0.0305	10.7256	10.7561
133.6	2.427	0.0174	10.7453	10.7627
133.6333	2.4293	0.0174	10.7795	10.7969
133.6667	2.431	0.0042	10.7979	10.8021
133.7	2.4293	0.0174	10.8282	10.8455
133.7333	2.4319	0.0305	10.8426	10.8732
133.7667	2.43	0.0042	10.8663	10.8705
133.8	2.4336	0.0305	10.886	10.9165
133.8333	2.4303	0.0174	10.9084	10.9258
133.8667	2.4306	0.0174	10.9386	10.956
133.9	2.4323	0.0174	10.9584	10.9757
133.9333	2.431	0.0174	10.9741	10.9915
133.9667	2.4293	0.0305	11.011	11.0415
134	2.4313	0.0174	11.0189	11.0362
134.0333	2.43	0.0174	11.0557	11.073
134.0667	2.4326	0.0174	11.0662	11.0835
134.1	2.4313	0.0174	11.0899	11.1072
134.1333	2.4313	0	11.1227	11.1227
134.1667	2.4323	0.0042	11.1398	11.144
134.2	2.4333	0.0042	11.1596	11.1638
134.2333	2.4339	0.0042	11.1635	11.1677
134.2667	2.43	0.0042	11.1766	11.1809
134.3	2.4303	0.0042	11.2056	11.2098
134.3333	2.4296	0.0042	11.2214	11.2256
134.3667	2.4313	0.0174	11.2411	11.2584
134.4	2.4306	0.0042	11.2582	11.2624
134.4333	2.43	0.0174	11.2792	11.2966
134.4667	2.4296	0.0174	11.3042	11.3216
134.5	2.4277	0.0174	11.3213	11.3387
134.5333	2.429	0.0305	11.3423	11.3728
134.5667	2.4316	0.0174	11.3529	11.3702
134.6	2.429	0.0042	11.3778	11.382
134.6333	2.427	0.0042	11.4002	11.4044
134.6667	2.4306	0.0174	11.4133	11.4307
134.7	2.428	0.0174	11.4278	11.4452

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
134.7333	2.429	0.0305	11.441	11.4715
134.7667	2.4287	0.0174	11.4633	11.4807
134.8	2.4244	0.0305	11.4817	11.5122
134.8333	2.4254	0.0042	11.5001	11.5043
134.8667	2.4244	0.0042	11.512	11.5162
134.9	2.426	0.0042	11.5383	11.5425
134.9333	2.425	0.0174	11.5554	11.5727
134.9667	2.4237	0.0305	11.5764	11.6069
135	2.4244	0.0174	11.5948	11.6122
135.0333	2.424	0.0042	11.6093	11.6135
135.0667	2.4217	0.0174	11.6185	11.6358
135.1	2.4247	0.0437	11.6343	11.6779
135.1333	2.4221	0.0042	11.6592	11.6635
135.1667	2.4194	0.0174	11.679	11.6963
135.2	2.4221	0.0042	11.6816	11.6858
135.2333	2.4201	0.0042	11.7013	11.7055
135.2667	2.4175	0.0174	11.7171	11.7345
135.3	2.3371	0.0305	11.7224	11.7529
135.3333	2.2621	0.0174	11.725	11.7424
135.3667	2.1874	0.0174	11.7289	11.7463
135.4	-0.4591	0.0042	11.7263	11.7305
135.4333	-0.4555	0.0042	11.725	11.7292
135.4667	-0.4542	0.0042	11.704	11.7082
135.5	-0.4529	0.0305	11.6934	11.7239
135.5333	-0.4532	0.0042	11.6685	11.6727
135.5667	-0.4539	0.0174	11.6395	11.6569
135.6	-0.4493	0.0174	11.6145	11.6319
135.6333	-0.4512	0.0042	11.5672	11.5714
135.6667	-0.414	0.0174	10.8597	10.8771
135.7	-0.3762	0.0174	0	0.0174
135.7333	0.0129	0.0042	0.002	0.0062
135.7667	-0.0065	0.0042	0.0007	0.0049
135.8	-0.0049	0.0305	0.0033	0.0338
135.8333	-0.0072	0.0042	0.002	0.0062
135.8667	-0.0072	0.0174	0.0007	0.018
135.9	-0.0029	0.0305	0.002	0.0325
135.9333	-0.0039	0.0042	0.002	0.0062
135.9667	-0.0055	0.0305	0.0007	0.0312
136	-0.0092	0.0174	0.0007	0.018
136.0333	-0.0052	0.0042	0.0007	0.0049
136.0667	-0.0055	0.0042	0.0007	0.0049
136.1	-0.0022	0.0174	0.002	0.0194
136.1333	-0.0049	0.0305	0.002	0.0325

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
136.1667	-0.0075	0.0174	0.0007	0.018
136.2	-0.0046	0.0174	0.0007	0.018
136.2333	-0.0016	0.0042	0.0007	0.0049
136.2667	-0.0042	0.0042	0.0007	0.0049
136.3	-0.0019	0.0042	0.002	0.0062
136.3333	-0.0029	0.0174	0.002	0.0194
136.3667	-0.0052	0.0174	0.002	0.0194
136.4	-0.0042	0.0042	0.002	0.0062
136.4333	-0.0055	0.0174	0.0033	0.0207
136.4667	-0.0042	0.0174	0.0007	0.018
136.5	-0.0062	0.0174	0.0033	0.0207
136.5333	-0.0055	0.0305	0.002	0.0325
136.5667	-0.0036	0.0174	0.0007	0.018
136.6	-0.0078	0.0305	0.0007	0.0312
136.6333	-0.0036	0.0174	0.0007	0.018
136.6667	-0.0046	0.0042	0.002	0.0062
136.7	-0.0062	0.0174	0.0033	0.0207
136.7333	-0.0065	0.0174	0.002	0.0194
136.7667	-0.0049	0.0174	0.0007	0.018
136.8	-0.0022	0.0042	0.0007	0.0049
136.8333	-0.0049	0.0042	0.0033	0.0075
136.8667	-0.0065	0.0174	0.002	0.0194
136.9	-0.0065	0	0.0007	0.0007
136.9333	-0.0075	0.0174	0.0007	0.018
136.9667	-0.0046	0.0174	0.0007	0.018
137	-0.0055	0.0042	0.002	0.0062
137.0333	-0.0039	0.0174	0.0033	0.0207
137.0667	-0.0055	0.0042	0.002	0.0062
137.1	-0.0046	0.0042	0.002	0.0062
137.1333	-0.0039	0	0.0007	0.0007
137.1667	-0.0055	0.0174	0.0007	0.018
137.2	-0.0059	0.0174	0.0033	0.0207
137.2333	-0.0036	0.0042	0.002	0.0062
137.2667	-0.0092	0.0174	0.002	0.0194
137.3	-0.0046	0.0305	0.0007	0.0312
137.3333	-0.0026	0.0174	0.0033	0.0207
137.3667	-0.0059	0.0042	0.002	0.0062
137.4	-0.0019	0.0042	0.002	0.0062
137.4333	-0.0046	0.0042	0.0033	0.0075
137.4667	-0.0052	0.0174	0.0007	0.018
137.5	-0.0052	0.0174	0.002	0.0194
137.5333	-0.0062	0.0305	0.002	0.0325
137.5667	-0.0072	0.0042	0.0007	0.0049

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
137.6	-0.0065	0.0174	0.0033	0.0207
137.6333	-0.0075	0.0174	0.0007	0.018
137.6667	-0.0052	0.0305	0.002	0.0325
137.7	-0.0042	0.0174	0.0007	0.018
137.7333	-0.0055	0.0174	0.0007	0.018
137.7667	-0.0032	0.0174	0	0.0174
137.8	-0.0072	0.0305	0.002	0.0325
137.8333	-0.0046	0.0174	0.002	0.0194
137.8667	-0.0036	0.0042	0.002	0.0062
137.9	-0.0046	0.0305	0.002	0.0325
137.9333	-0.0052	0.0174	0.002	0.0194
137.9667	-0.0059	0	0.0007	0.0007
138	-0.0049	0.0305	0.0033	0.0338
138.0333	-0.0059	0.0042	0.0007	0.0049
138.0667	-0.0046	0.0042	0.0007	0.0049
138.1	-0.0036	0.0174	0.0033	0.0207
138.1333	-0.0046	0.0305	0.002	0.0325
138.1667	-0.0055	0.0042	0.002	0.0062
138.2	-0.0062	0.0042	0.002	0.0062
138.2333	-0.0065	0.0174	0.0033	0.0207
138.2667	-0.0052	0.0305	0.0033	0.0338
138.3	-0.0052	0.0042	0.0007	0.0049
138.3333	-0.0026	0.0174	0.0007	0.018
138.3667	-0.0029	0.0042	0.002	0.0062
138.4	-0.0039	0.0042	0.0033	0.0075
138.4333	-0.0039	0	0.002	0.002
138.4667	-0.0075	0.0174	0.0007	0.018
138.5	-0.0039	0.0042	0.002	0.0062
138.5333	-0.0062	0.0305	0.0007	0.0312
138.5667	-0.0055	0.0174	0.0007	0.018
138.6	-0.0032	0.0174	0.002	0.0194
138.6333	-0.0055	0.0042	0.002	0.0062
138.6667	-0.0019	0.0174	0.002	0.0194
138.7	-0.0049	0.0305	0.0007	0.0312
138.7333	-0.0052	0.0305	0.002	0.0325
138.7667	-0.0032	0.0305	0.002	0.0325
138.8	-0.0049	0.0174	0.002	0.0194
138.8333	-0.0042	0.0174	0.0007	0.018
138.8667	-0.0032	0.0174	0.002	0.0194
138.9	-0.0036	0.0174	0.002	0.0194
138.9333	-0.0049	0.0174	0.002	0.0194
138.9667	-0.0075	0.0174	0.0007	0.018
139	-0.0069	0.0174	0.0033	0.0207

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
139.0333	-0.0085	0.0305	0.002	0.0325
139.0667	-0.0065	0.0305	0.002	0.0325
139.1	-0.0059	0.0305	0.002	0.0325
139.1333	-0.0052	0.0174	0.002	0.0194
139.1667	-0.0065	0.0174	0.002	0.0194
139.2	-0.0046	0.0174	0.0007	0.018
139.2333	-0.0016	0.0174	0.0033	0.0207
139.2667	-0.0036	0.0174	0.002	0.0194
139.3	-0.0046	0.0174	0.0046	0.022
139.3333	-0.0026	0.0042	0.0007	0.0049
139.3667	-0.0049	0.0042	0.0007	0.0049
139.4	-0.0042	0.0174	0.002	0.0194
139.4333	-0.0022	0.0042	0.002	0.0062
139.4667	-0.0026	0.0042	0.0007	0.0049
139.5	-0.0029	0.0174	0.0007	0.018
139.5333	-0.0029	0.0174	0.0007	0.018
139.5667	-0.0029	0.0305	0.0033	0.0338
139.6	-0.0036	0.0174	0.0007	0.018
139.6333	-0.0039	0.0174	0.0007	0.018
139.6667	-0.0039	0.0305	0.002	0.0325
139.7	-0.0046	0.0042	0.0007	0.0049
139.7333	-0.0022	0.0174	0.002	0.0194
139.7667	-0.0046	0.0174	0.0007	0.018
139.8	-0.0042	0.0042	0.0033	0.0075
139.8333	-0.0065	0.0174	0.002	0.0194
139.8667	-0.0049	0.0174	0.0033	0.0207
139.9	-0.0049	0.0174	0.0033	0.0207
139.9333	-0.0019	0.0174	0.002	0.0194
139.9667	-0.0019	0.0042	0.0007	0.0049
140	-0.0046	0.0174	0.002	0.0194
140.0333	-0.0072	0.0305	0.002	0.0325
140.0667	-0.0032	0.0042	0.002	0.0062
140.1	-0.0052	0.0042	0.0007	0.0049
140.1333	-0.0029	0.0174	0.002	0.0194
140.1667	-0.0046	0.0042	0.002	0.0062
140.2	-0.0052	0.0042	0.002	0.0062
140.2333	-0.0062	0.0174	0.0033	0.0207
140.2667	-0.0046	0.0174	0.002	0.0194
140.3	-0.0039	0.0042	0.002	0.0062
140.3333	-0.0055	0.0042	0.002	0.0062
140.3667	-0.0046	0.0174	0.0007	0.018
140.4	-0.0095	0.0042	0.002	0.0062
140.4333	-0.0088	0.0042	0.002	0.0062

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
140.4667	-0.0085	0.0305	0.0033	0.0338
140.5	-0.0092	0.0174	0.0007	0.018
140.5333	-0.0138	0.0305	0.0033	0.0338
140.5667	-0.0118	0.0174	0.002	0.0194
140.6	-0.0111	0.0174	0.0046	0.022
140.6333	-0.0128	0.0305	0.0033	0.0338
140.6667	-0.0141	0.0174	0.002	0.0194
140.7	-0.0154	0.0042	0.0033	0.0075
140.7333	-0.0128	0.0174	0.002	0.0194
140.7667	-0.0157	0.0305	0.0007	0.0312
140.8	-0.0141	0.0174	0.002	0.0194
140.8333	-0.0131	0.0305	0.0033	0.0338
140.8667	-0.0171	0.0042	0.0033	0.0075
140.9	-0.0167	0.0042	0.002	0.0062
140.9333	-0.0134	0.0174	0.002	0.0194
140.9667	-0.0167	0.0042	0	0.0042
141	-0.018	0.0305	0.002	0.0325
141.0333	-0.0161	0.0174	0.0007	0.018
141.0667	-0.018	0.0174	0.0007	0.018
141.1	-0.0167	0.0174	0.002	0.0194
141.1333	-0.0069	0.0174	0.002	0.0194
141.1667	0.0544	0.0042	0.0007	0.0049
141.2	0.1205	0	0.0033	0.0033
141.2333	0.2002	0.0174	0.002	0.0194
141.2667	0.2868	0.0042	0.002	0.0062
141.3	0.373	0.0174	0.0033	0.0207
141.3333	0.455	0.0042	0.0007	0.0049
141.3667	0.5356	0.0174	0.8765	0.8938
141.4	0.614	0.0042	0.9724	0.9767
141.4333	0.6893	0.0305	1.0724	1.1029
141.4667	0.7608	0.0174	1.1776	1.1949
141.5	0.8305	0.0305	1.2894	1.3199
141.5333	0.8993	0.0174	1.4038	1.4211
141.5667	0.9658	0.0305	1.5247	1.5552
141.6	1.0304	0.0174	1.647	1.6644
141.6333	1.0975	0.0305	1.7693	1.7998
141.6667	1.1594	0.0174	1.8903	1.9077
141.7	1.2206	0.0174	2.0192	2.0365
141.7333	1.2825	0.0174	2.1428	2.1601
141.7667	1.3417	0.0174	2.2664	2.2837
141.8	1.397	0.0305	2.4018	2.4323
141.8333	1.4546	0.0174	2.5228	2.5402
141.8667	1.5142	0.0042	2.6582	2.6625

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
141.9	1.5669	0.0305	2.7805	2.811
141.9333	1.6186	0.0174	2.912	2.9294
141.9667	1.6752	0.0174	3.0422	3.0596
142	1.7288	0.0305	3.1671	3.1976
142.0333	1.7776	0.0042	3.2986	3.3028
142.0667	1.8306	0.0042	3.4249	3.4291
142.1	1.8789	0.0174	3.5551	3.5724
142.1333	1.9273	0.0042	3.6787	3.6829
142.1667	1.9751	0.0305	3.8088	3.8394
142.2	2.0228	0.0174	3.9482	3.9656
142.2333	2.0679	0.0174	4.0705	4.0879
142.2667	2.114	0.0042	4.1941	4.1983
142.3	2.1594	0.0174	4.3204	4.3377
142.3333	2.2025	0.0174	4.4532	4.4705
142.3667	2.2456	0.0042	4.5794	4.5836
142.4	2.2884	0.0174	4.7135	4.7309
142.4333	2.3315	0.0174	4.8358	4.8532
142.4667	2.3724	0.0174	4.9608	4.9781
142.5	2.4161	0.0174	5.0857	5.103
142.5333	2.4461	0.0042	5.2185	5.2227
142.5667	2.4524	0.0174	5.3395	5.3568
142.6	2.4491	0.0174	5.4736	5.491
142.6333	2.4435	0.0174	5.5841	5.6014
142.6667	2.4438	0	5.7037	5.7037
142.7	2.4425	0.0174	5.8116	5.8289
142.7333	2.4389	0.0174	5.9023	5.9196
142.7667	2.4418	0.0174	6.0141	6.0314
142.8	2.4402	0.0042	6.1127	6.1169
142.8333	2.4412	0.0174	6.2218	6.2392
142.8667	2.4428	0.0042	6.3165	6.3207
142.9	2.4448	0.0174	6.4164	6.4338
142.9333	2.4451	0.0174	6.5085	6.5258
142.9667	2.4431	0.0174	6.6137	6.631
143	2.4464	0.0305	6.707	6.7376
143.0333	2.4484	0.0305	6.8096	6.8401
143.0667	2.4537	0.0042	6.9004	6.9046
143.1	2.4537	0.0174	6.9924	7.0098
143.1333	2.4576	0.0305	7.0766	7.1071
143.1667	2.4579	0.0174	7.1712	7.1886
143.2	2.4629	0.0174	7.258	7.2754
143.2333	2.4649	0.0305	7.3566	7.3872
143.2667	2.4668	0	7.429	7.429
143.3	2.4606	0.0305	7.5197	7.5502

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
143.3333	2.4586	0.0042	7.5947	7.5989
143.3667	2.4497	0.0042	7.6709	7.6751
143.4	2.4474	0.0305	7.7551	7.7856
143.4333	2.4448	0.0042	7.8221	7.8264
143.4667	2.4385	0.0305	7.8892	7.9197
143.5	2.4362	0.0042	7.9721	7.9763
143.5333	2.4319	0.0305	8.0352	8.0657
143.5667	2.4316	0.0174	8.1075	8.1249
143.6	2.4306	0.0174	8.1719	8.1893
143.6333	2.4267	0.0042	8.2429	8.2471
143.6667	2.4227	0.0174	8.3074	8.3247
143.7	2.4201	0.0042	8.3718	8.376
143.7333	2.4211	0.0305	8.4349	8.4654
143.7667	2.4191	0.0174	8.5059	8.5233
143.8	2.4178	0.0174	8.5585	8.5759
143.8333	2.4171	0.0174	8.623	8.6403
143.8667	2.4211	0.0174	8.6756	8.6929
143.9	2.426	0.0042	8.7347	8.7389
143.9333	2.4323	0.0305	8.7992	8.8297
143.9667	2.4346	0.0042	8.8452	8.8494
144	2.4339	0.0042	8.9096	8.9138
144.0333	2.4372	0.0174	8.9701	8.9875
144.0667	2.4339	0.0042	9.0188	9.023
144.1	2.4366	0.0042	9.0793	9.0835
144.1333	2.4342	0.0042	9.1227	9.1269
144.1667	2.4352	0.0174	9.1805	9.1979
144.2	2.4346	0.0174	9.2213	9.2386
144.2333	2.4389	0.0042	9.2831	9.2873
144.2667	2.4375	0.0305	9.3396	9.3701
144.3	2.4369	0.0174	9.383	9.4004
144.3333	2.4375	0.0305	9.4277	9.4582
144.3667	2.4402	0.0174	9.4777	9.4951
144.4	2.4405	0.0042	9.5329	9.5371
144.4333	2.4385	0.0174	9.5605	9.5779
144.4667	2.4375	0.0305	9.6184	9.6489
144.5	2.4398	0.0042	9.6631	9.6673
144.5333	2.4389	0.0174	9.7118	9.7291
144.5667	2.4379	0.0042	9.7604	9.7646
144.6	2.4385	0.0174	9.8038	9.8212
144.6333	2.4398	0.0042	9.8498	9.854
144.6667	2.4379	0.0174	9.8893	9.9066
144.7	2.4398	0.0042	9.9327	9.9369
144.7333	2.4375	0.0174	9.9813	9.9987

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
144.7667	2.4418	0.0042	10.0195	10.0237
144.8	2.4385	0.0042	10.0655	10.0697
144.8333	2.4385	0.0174	10.1076	10.1249
144.8667	2.4379	0.0174	10.1391	10.1565
144.9	2.4408	0.0174	10.1812	10.1986
144.9333	2.4389	0.0042	10.2272	10.2314
144.9667	2.4379	0.0042	10.2719	10.2762
145	2.4402	0.0305	10.3022	10.3327
145.0333	2.4392	0.0042	10.3495	10.3537
145.0667	2.4415	0.0042	10.389	10.3932
145.1	2.4421	0.0174	10.4113	10.4287
145.1333	2.4385	0.0042	10.4521	10.4563
145.1667	2.4392	0.0174	10.5008	10.5181
145.2	2.4366	0.0174	10.5323	10.5497
145.2333	2.4395	0.0174	10.5665	10.5839
145.2667	2.4375	0.0305	10.602	10.6325
145.3	2.4402	0.0174	10.6388	10.6562
145.3333	2.4395	0.0305	10.6796	10.7101
145.3667	2.4349	0.0174	10.7164	10.7338
145.4	2.4372	0.0042	10.7401	10.7443
145.4333	2.4316	0.0174	10.7795	10.7969
145.4667	2.426	0.0042	10.8019	10.8061
145.5	2.4263	0.0174	10.8413	10.8587
145.5333	2.4214	0.0174	10.8755	10.8929
145.5667	2.4168	0.0174	10.9018	10.9192
145.6	2.4129	0.0042	10.936	10.9402
145.6333	2.4119	0.0174	10.9702	10.9876
145.6667	2.4063	0.0174	10.9926	11.0099
145.7	2.4076	0.0042	11.0189	11.0231
145.7333	2.3997	0.0174	11.0557	11.073
145.7667	2.401	0.0305	11.0688	11.0993
145.8	2.3951	0.0174	11.1109	11.1283
145.8333	2.3928	0.0174	11.1319	11.1493
145.8667	2.3931	0.0174	11.1596	11.1769
145.9	2.3947	0.0174	11.1806	11.198
145.9333	2.3941	0.0042	11.2122	11.2164
145.9667	2.3957	0.0042	11.2463	11.2506
146	2.3951	0.0174	11.2648	11.2821
146.0333	2.3971	0.0042	11.2976	11.3018
146.0667	2.3971	0.0174	11.3187	11.336
146.1	2.3987	0.0305	11.3358	11.3663
146.1333	2.4	0.0305	11.3686	11.3991
146.1667	2.3997	0.0042	11.387	11.3913

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
146.2	2.3984	0.0174	11.4265	11.4439
146.2333	2.4026	0.0174	11.4502	11.4675
146.2667	2.4023	0.0042	11.4725	11.4767
146.3	2.4066	0.0042	11.4922	11.4965
146.3333	2.4096	0.0042	11.5146	11.5188
146.3667	2.4063	0.0042	11.537	11.5412
146.4	2.4109	0.0174	11.558	11.5753
146.4333	2.4148	0.0174	11.5896	11.6069
146.4667	2.4152	0.0042	11.6132	11.6174
146.5	2.4175	0.0174	11.6369	11.6542
146.5333	2.4214	0.0174	11.6645	11.6819
146.5667	2.4231	0.0174	11.6803	11.6976
146.6	2.4221	0.0174	11.7	11.7174
146.6333	2.4244	0.0174	11.7342	11.7516
146.6667	2.4287	0.0174	11.7552	11.7726
146.7	2.4257	0.0174	11.771	11.7884
146.7333	2.4323	0.0174	11.7999	11.8173
146.7667	2.4293	0.0042	11.8223	11.8265
146.8	2.4323	0.0174	11.8512	11.8686
146.8333	2.4336	0.0305	11.8696	11.9001
146.8667	2.4346	0.0042	11.8894	11.8936
146.9	2.4352	0.0042	11.9104	11.9146
146.9333	2.4385	0.0042	11.9354	11.9396
146.9667	2.4359	0.0174	11.9538	11.9712
147	2.4392	0.0042	11.9762	11.9804
147.0333	2.4412	0.0174	12.0051	12.0224
147.0667	2.4418	0.0174	12.0209	12.0382
147.1	2.4395	0.0174	12.0353	12.0527
147.1333	2.4418	0.0174	12.0669	12.0842
147.1667	2.4425	0.0174	12.0735	12.0908
147.2	2.4428	0.0174	12.1011	12.1184
147.2333	2.4405	0.0174	12.1221	12.1395
147.2667	2.4412	0.0174	12.1458	12.1631
147.3	2.4448	0.0174	12.1576	12.175
147.3333	2.4445	0.0174	12.1813	12.1986
147.3667	2.4418	0.0174	12.2063	12.2236
147.4	2.4438	0.0174	12.226	12.2434
147.4333	2.4445	0.0042	12.2405	12.2447
147.4667	2.4454	0	12.2654	12.2654
147.5	2.4481	0.0174	12.2839	12.3012
147.5333	2.4425	0.0042	12.297	12.3012
147.5667	2.4458	0.0174	12.3207	12.338
147.6	2.4448	0.0042	12.3483	12.3525

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
147.6333	2.4477	0.0042	12.3483	12.3525
147.6667	2.4474	0	12.3759	12.3759
147.7	2.4385	0.0174	12.3943	12.4117
147.7333	2.3645	0.0174	12.4009	12.4182
147.7667	2.2878	0.0042	12.4127	12.4169
147.8	2.2088	0.0174	12.4206	12.438
147.8333	2.1383	0.0305	12.4272	12.4577
147.8667	2.0672	0.0174	12.4154	12.4327
147.9	1.9951	0.0042	12.4154	12.4196
147.9333	1.9303	0.0174	12.4009	12.4182
147.9667	1.8852	0.0174	12.0393	12.0566
148	1.8684	0.0174	11.0083	11.0257
148.0333	1.8467	0.0042	10.0905	10.0947
148.0667	1.8243	0.0042	9.2436	9.2478
148.1	1.7976	0.0042	8.4494	8.4536
148.1333	1.7706	0.0174	7.7012	7.7185
148.1667	1.7476	0.0305	6.9937	7.0242
148.2	1.719	0.0174	6.3178	6.3352
148.2333	1.6916	0.0174	5.7379	5.7553
148.2667	1.6627	0.0042	5.2053	5.2096
148.3	1.6291	0.0174	4.6912	4.7086
148.3333	1.6034	0.0042	4.2231	4.2273
148.3667	1.5692	0.0174	3.8075	3.8249
148.4	1.5389	0	3.4222	3.4222
148.4333	1.509	0.0174	3.0698	3.0872
148.4667	1.4747	0	2.7503	2.7503
148.5	1.4412	0.0042	2.4571	2.4613
148.5333	1.4099	0.0042	2.2046	2.2088
148.5667	1.3766	0.0174	1.9758	1.9931
148.6	1.3457	0.0305	1.7693	1.7998
148.6333	1.3128	0.0174	1.5944	1.6118
148.6667	1.2756	0.0042	1.4353	1.4395
148.7	1.2466	0.0174	1.3025	1.3199
148.7333	1.2479	0.0174	1.1881	1.2055
148.7667	1.2575	0.0305	1.0895	1.12
148.8	1.2667	0.0174	1.0145	1.0319
148.8333	1.2746	0.0174	0.9435	0.9609
148.8667	1.2789	0.0174	0.8949	0.9122
148.9	1.2845	0	0.8475	0.8475
148.9333	1.3141	0.0042	0.812	0.8162
148.9667	1.3134	0.0174	0.791	0.8083
149	1.3177	0.0174	0.7699	0.7873
149.0333	1.3197	0.0174	0.0007	0.018

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
149.0667	1.3187	0.0174	0.0007	0.018
149.1	1.324	0.0174	0.0007	0.018
149.1333	1.3282	0.0174	0.002	0.0194
149.1667	1.3243	0.0305	0.0007	0.0312
149.2	1.3259	0.0174	0.0033	0.0207
149.2333	1.3286	0.0437	0.002	0.0457
149.2667	1.3289	0.0174	0.002	0.0194
149.3	1.3282	0.0174	0	0.0174
149.3333	1.3286	0.0437	0.002	0.0457
149.3667	1.3289	0.0174	0.002	0.0194
149.4	1.3279	0.0042	0.0007	0.0049
149.4333	1.3273	0.0042	0.002	0.0062
149.4667	1.323	0.0174	0.002	0.0194
149.5	1.3256	0.0174	0.002	0.0194
149.5333	1.3243	0.0174	0.0033	0.0207
149.5667	1.323	0.0042	0.0007	0.0049
149.6	1.3213	0.0174	0.002	0.0194
149.6333	1.3187	0.0042	0.0007	0.0049
149.6667	1.3184	0.0042	0.0007	0.0049
149.7	1.3187	0.0174	0.002	0.0194
149.7333	1.3128	0.0174	0.0007	0.018
149.7667	1.3105	0.0174	0.002	0.0194
149.8	1.3082	0.0174	0.0007	0.018
149.8333	1.3065	0.0042	0.002	0.0062
149.8667	1.3019	0.0174	0.002	0.0194
149.9	1.3016	0.0042	0.0007	0.0049
149.9333	1.2983	0.0042	0	0.0042
149.9667	1.2934	0.0174	0.002	0.0194
150	1.2937	0.0174	0.0007	0.018
150.0333	1.2907	0.0174	0.0007	0.018
150.0667	1.2861	0.0042	0.002	0.0062
150.1	1.2845	0.0305	0.002	0.0325
150.1333	1.2799	0.0305	0.002	0.0325
150.1667	1.2762	0.0042	0.0007	0.0049
150.2	1.2746	0.0042	0.0007	0.0049
150.2333	1.271	0.0042	0.002	0.0062
150.2667	1.265	0.0042	0.002	0.0062
150.3	1.2667	0.0174	0.002	0.0194
150.3333	1.2624	0.0174	0.002	0.0194
150.3667	1.2578	0.0174	0.0007	0.018
150.4	1.2542	0.0042	0.002	0.0062
150.4333	1.2492	0.0174	0.0007	0.018
150.4667	1.2466	0.0174	0.0007	0.018

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
150.5	1.2437	0.0174	0.0007	0.018
150.5333	1.2387	0.0174	0.002	0.0194
150.5667	1.2358	0.0042	0.002	0.0062
150.6	1.2331	0.0174	0.002	0.0194
150.6333	1.2282	0.0042	0.002	0.0062
150.6667	1.2285	0.0174	0.0007	0.018
150.7	1.2219	0.0174	0.0033	0.0207
150.7333	1.2173	0.0305	0.002	0.0325
150.7667	1.2163	0.0174	0.0007	0.018
150.8	1.2104	0.0174	0.002	0.0194
150.8333	1.2094	0.0042	0	0.0042
150.8667	1.2038	0.0174	0.002	0.0194
150.9	1.1989	0.0174	0.002	0.0194
150.9333	1.1953	0.0174	0.002	0.0194
150.9667	1.1913	0.0042	0.0007	0.0049
151	1.1884	0.0174	0.0033	0.0207
151.0333	1.186	0.0174	0.0033	0.0207
151.0667	1.1808	0.0042	0.002	0.0062
151.1	1.1795	0.0042	0.0007	0.0049
151.1333	1.1716	0.0174	0.0007	0.018
151.1667	1.1726	0.0174	0.002	0.0194
151.2	1.1673	0.0042	0.002	0.0062
151.2333	1.1643	0.0174	0.002	0.0194
151.2667	1.1564	0.0042	0.0007	0.0049
151.3	1.1551	0.0042	0.0007	0.0049
151.3333	1.1531	0.0174	0.0007	0.018
151.3667	1.1485	0.0174	0.002	0.0194
151.4	1.1429	0.0174	0.002	0.0194
151.4333	1.141	0.0305	0.0007	0.0312
151.4667	1.1377	0.0305	0.002	0.0325
151.5	1.1317	0.0305	0.0007	0.0312
151.5333	1.1261	0.0042	0.002	0.0062
151.5667	1.1268	0.0042	0.0007	0.0049
151.6	1.1252	0.0305	0.002	0.0325
151.6333	1.1189	0.0174	0.0007	0.018
151.6667	1.114	0.0174	0.0007	0.018
151.7	1.109	0.0305	0.002	0.0325
151.7333	1.1054	0.0305	0.0007	0.0312
151.7667	1.1054	0.0174	0.0007	0.018
151.8	1.1015	0.0174	0.002	0.0194
151.8333	1.0959	0.0042	0.002	0.0062
151.8667	1.0945	0.0174	0.0046	0.022
151.9	1.0893	0.0042	0.002	0.0062

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
151.9333	1.0857	0.0174	0.0007	0.018
151.9667	1.084	0.0042	0.002	0.0062
152	1.0764	0.0305	0.002	0.0325
152.0333	1.0741	0.0174	0.002	0.0194
152.0667	1.0715	0.0042	0.002	0.0062
152.1	1.0669	0.0042	0.002	0.0062
152.1333	1.0636	0.0042	0.002	0.0062
152.1667	1.0593	0.0174	0.002	0.0194
152.2	1.0577	0.0174	0.0007	0.018
152.2333	1.0547	0.0042	0.0007	0.0049
152.2667	1.0527	0.0174	0.0033	0.0207
152.3	1.0475	0.0305	0.002	0.0325
152.3333	1.0415	0.0174	0.0033	0.0207
152.3667	1.0383	0.0174	0.002	0.0194
152.4	1.0323	0.0042	0.002	0.0062
152.4333	1.031	0.0042	0.002	0.0062
152.4667	1.0287	0.0174	0.0007	0.018
152.5	1.0261	0.0042	0.0007	0.0049
152.5333	1.0215	0.0042	0.002	0.0062
152.5667	1.0175	0.0174	0.002	0.0194
152.6	1.0159	0.0305	0.0046	0.0351
152.6333	1.0106	0.0042	0.0007	0.0049
152.6667	1.0086	0.0305	0.002	0.0325
152.7	1.0037	0.0174	0.0033	0.0207
152.7333	1.0007	0.0042	0.0007	0.0049
152.7667	0.9974	0.0042	0.0007	0.0049
152.8	0.9941	0.0042	0.002	0.0062
152.8333	0.9912	0.0042	0.0007	0.0049
152.8667	0.9843	0.0042	0.002	0.0062
152.9	0.9833	0.0174	0.002	0.0194
152.9333	0.9793	0.0042	0.002	0.0062
152.9667	0.9764	0.0305	0.0007	0.0312
153	0.9731	0.0305	0.002	0.0325
153.0333	0.9691	0.0305	0.002	0.0325
153.0667	0.9695	0.0174	0.002	0.0194
153.1	0.9622	0.0042	0.002	0.0062
153.1333	0.9586	0.0042	0.002	0.0062
153.1667	0.956	0.0042	0.002	0.0062
153.2	0.9533	0.0174	0.0033	0.0207
153.2333	0.9481	0.0042	0.002	0.0062
153.2667	0.9458	0.0305	0	0.0305
153.3	0.9408	0.0174	0.002	0.0194
153.3333	0.9388	0	0.002	0.002

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
153.3667	0.9359	0.0174	0.002	0.0194
153.4	0.9332	0.0174	0.002	0.0194
153.4333	0.9283	0.0174	0.002	0.0194
153.4667	0.9263	0.0042	0.002	0.0062
153.5	0.923	0.0042	0.002	0.0062
153.5333	0.9178	0.0305	0.002	0.0325
153.5667	0.9168	0.0305	0	0.0305
153.6	0.9102	0.0042	0.002	0.0062
153.6333	0.9092	0.0042	0.002	0.0062
153.6667	0.9063	0.0174	0.002	0.0194
153.7	0.902	0.0042	0.002	0.0062
153.7333	0.899	0.0305	0.0007	0.0312
153.7667	0.8993	0.0174	0.002	0.0194
153.8	0.8954	0.0174	0.0007	0.018
153.8333	0.8905	0.0174	0	0.0174
153.8667	0.8891	0.0042	0.0007	0.0049
153.9	0.8855	0.0174	0.002	0.0194
153.9333	0.8826	0.0305	0.0033	0.0338
153.9667	0.8766	0.0174	0.0007	0.018
154	0.8766	0.0042	0.002	0.0062
154.0333	0.8727	0.0174	0.0007	0.018
154.0667	0.8724	0.0042	0.002	0.0062
154.1	0.8674	0.0305	0.002	0.0325
154.1333	0.8631	0.0042	0.002	0.0062
154.1667	0.8579	0.0174	0.0007	0.018
154.2	0.8542	0.0174	0.002	0.0194
154.2333	0.8556	0.0042	0.0033	0.0075
154.2667	0.85	0.0042	0.0033	0.0075
154.3	0.8487	0.0042	0.002	0.0062
154.3333	0.8454	0.0174	0.002	0.0194
154.3667	0.8391	0.0305	0.0033	0.0338
154.4	0.8398	0.0174	0.0033	0.0207
154.4333	0.8348	0.0305	0.0007	0.0312
154.4667	0.8299	0.0042	0.002	0.0062
154.5	0.8305	0.0305	0.0007	0.0312
154.5333	0.8253	0.0174	0.002	0.0194
154.5667	0.824	0.0174	0.0007	0.018
154.6	0.82	0.0042	0.0033	0.0075
154.6333	0.8194	0.0305	0.002	0.0325
154.6667	0.8138	0.0174	0.0033	0.0207
154.7	0.8121	0.0305	0.002	0.0325
154.7333	0.8088	0.0042	0.0007	0.0049
154.7667	0.8075	0.0042	0	0.0042

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
154.8	0.8022	0.0174	0.002	0.0194
154.8333	0.8022	0.0042	0.002	0.0062
154.8667	0.7983	0.0305	0.0007	0.0312
154.9	0.7927	0.0305	0.0007	0.0312
154.9333	0.7904	0.0174	0.002	0.0194
154.9667	0.7897	0.0042	0.0033	0.0075
155	0.7874	0.0042	0.0007	0.0049
155.0333	0.7845	0.0174	0.002	0.0194
155.0667	0.7818	0.0305	0.002	0.0325
155.1	0.7756	0.0042	0.0007	0.0049
155.1333	0.7746	0.0174	0.002	0.0194
155.1667	0.7697	0.0174	0.0007	0.018
155.2	0.769	0.0042	0.0033	0.0075
155.2333	0.7641	0.0305	0.002	0.0325
155.2667	0.7637	0.0174	0.002	0.0194
155.3	0.7585	0.0042	0.002	0.0062
155.3333	0.7578	0.0042	0.0033	0.0075
155.3667	0.7552	0.0174	0.002	0.0194
155.4	0.7522	0.0305	0.002	0.0325
155.4333	0.7492	0.0174	0.0033	0.0207
155.4667	0.7453	0.0042	0.0007	0.0049
155.5	0.7456	0.0174	0.002	0.0194
155.5333	0.7417	0.0174	0.002	0.0194
155.5667	0.7394	0.0042	0.002	0.0062
155.6	0.7381	0.0042	0.0007	0.0049
155.6333	0.7334	0.0174	0.0007	0.018
155.6667	0.7305	0.0174	0.0007	0.018
155.7	0.7275	0.0174	0.0007	0.018
155.7333	0.7252	0.0042	0.002	0.0062
155.7667	0.7206	0.0174	0.0033	0.0207
155.8	0.719	0.0174	0.0007	0.018
155.8333	0.7157	0.0042	0.0007	0.0049
155.8667	0.7167	0.0174	0.002	0.0194
155.9	0.7101	0.0305	0.002	0.0325
155.9333	0.7097	0.0305	0.002	0.0325
155.9667	0.7058	0.0174	0.002	0.0194
156	0.7055	0.0174	0.002	0.0194
156.0333	0.7045	0.0174	0.002	0.0194
156.0667	0.6982	0.0174	0.0033	0.0207
156.1	0.6936	0.0042	0.0007	0.0049
156.1333	0.691	0.0174	0.0033	0.0207
156.1667	0.692	0.0174	0	0.0174
156.2	0.6893	0.0305	0.0007	0.0312

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
156.2333	0.6837	0.0305	0.002	0.0325
156.2667	0.6821	0.0174	0.0033	0.0207
156.3	0.6801	0.0174	0.0033	0.0207
156.3333	0.6778	0.0042	0.002	0.0062
156.3667	0.6781	0.0174	0.002	0.0194
156.4	0.6745	0.0174	0.0007	0.018
156.4333	0.6699	0.0174	0.0033	0.0207
156.4667	0.6696	0.0042	0.002	0.0062
156.5	0.665	0.0305	0.002	0.0325
156.5333	0.6627	0.0305	0.0007	0.0312
156.5667	0.66	0.0174	0	0.0174
156.6	0.6584	0.0174	0.002	0.0194
156.6333	0.6544	0.0174	0.002	0.0194
156.6667	0.6531	0.0174	0.002	0.0194
156.7	0.6521	0.0174	0.0033	0.0207
156.7333	0.6485	0.0174	0.002	0.0194
156.7667	0.6456	0.0042	0.002	0.0062
156.8	0.6436	0.0174	0.0007	0.018
156.8333	0.6419	0.0174	0.0007	0.018
156.8667	0.638	0.0042	0.002	0.0062
156.9	0.6353	0.0042	0.002	0.0062
156.9333	0.634	0.0437	0.002	0.0457
156.9667	0.6278	0.0042	0.002	0.0062
157	0.6307	0.0174	0.002	0.0194
157.0333	0.6268	0.0042	0.002	0.0062
157.0667	0.6242	0.0437	0.002	0.0457
157.1	0.6248	0.0174	0.0033	0.0207
157.1333	0.6189	0.0042	0.002	0.0062
157.1667	0.6199	0.0174	0.0007	0.018
157.2	0.6166	0.0174	0.0007	0.018
157.2333	0.6113	0.0042	0.002	0.0062
157.2667	0.6107	0.0174	0.0007	0.018
157.3	0.6077	0.0042	0.0007	0.0049
157.3333	0.6037	0.0042	0.002	0.0062
157.3667	0.6014	0.0042	0.002	0.0062
157.4	0.5991	0.0042	0.0007	0.0049
157.4333	0.5975	0.0174	0.0033	0.0207
157.4667	0.5962	0.0174	0.0007	0.018
157.5	0.5939	0.0174	0.002	0.0194
157.5333	0.5916	0.0174	0.0033	0.0207
157.5667	0.5866	0.0042	0.002	0.0062
157.6	0.5886	0.0174	0.002	0.0194
157.6333	0.582	0.0042	0	0.0042

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
157.6667	0.581	0.0174	0.002	0.0194
157.7	0.58	0.0174	0.0033	0.0207
157.7333	0.5771	0.0042	0.002	0.0062
157.7667	0.5745	0.0305	0.002	0.0325
157.8	0.5745	0.0305	0.0033	0.0338
157.8333	0.5715	0.0305	0.0007	0.0312
157.8667	0.5656	0.0174	0.0007	0.018
157.9	0.5666	0.0174	0.002	0.0194
157.9333	0.5619	0.0174	0.002	0.0194
157.9667	0.5619	0.0042	0.002	0.0062
158	0.5593	0.0305	0.002	0.0325
158.0333	0.5593	0.0174	0.002	0.0194
158.0667	0.5554	0.0042	0.0046	0.0088
158.1	0.5534	0.0042	0.0007	0.0049
158.1333	0.5527	0.0174	0.002	0.0194
158.1667	0.5494	0.0174	0.0007	0.018
158.2	0.5465	0.0174	0.002	0.0194
158.2333	0.5432	0.0042	0.002	0.0062
158.2667	0.5419	0.0042	0.002	0.0062
158.3	0.5415	0.0305	0.002	0.0325
158.3333	0.5373	0.0042	0.002	0.0062
158.3667	0.5376	0.0174	0.002	0.0194
158.4	0.5336	0.0305	0.0033	0.0338
158.4333	0.5307	0.0174	0.002	0.0194
158.4667	0.5267	0.0174	0.002	0.0194
158.5	0.5251	0.0174	0.0033	0.0207
158.5333	0.5257	0.0174	0.002	0.0194
158.5667	0.5231	0.0174	0.002	0.0194
158.6	0.5215	0.0042	0.002	0.0062
158.6333	0.5192	0.0174	0.0033	0.0207
158.6667	0.5155	0.0174	0.0007	0.018
158.7	0.5119	0.0174	0.002	0.0194
158.7333	0.5126	0.0042	0.002	0.0062
158.7667	0.5086	0.0174	0.002	0.0194
158.8	0.5089	0.0042	0.002	0.0062
158.8333	0.505	0.0042	0.0007	0.0049
158.8667	0.5037	0.0174	0.0033	0.0207
158.9	0.5037	0.0174	0.002	0.0194
158.9333	0.5001	0.0305	0.002	0.0325
158.9667	0.5001	0.0174	0.0033	0.0207
159	0.4958	0.0174	0.0033	0.0207
159.0333	0.4951	0.0174	0.002	0.0194
159.0667	0.4922	0.0174	0.0033	0.0207

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
159.1	0.4918	0.0174	0.0007	0.018
159.1333	0.4899	0.0174	0.0007	0.018
159.1667	0.4882	0.0305	0.0007	0.0312
159.2	0.4859	0.0042	0.002	0.0062
159.2333	0.4816	0.0174	0.002	0.0194
159.2667	0.4797	0.0305	0.0007	0.0312
159.3	0.4777	0.0042	0.0033	0.0075
159.3333	0.4783	0.0174	0.002	0.0194
159.3667	0.475	0.0174	0.002	0.0194
159.4	0.4727	0.0174	0.002	0.0194
159.4333	0.4698	0.0305	0.002	0.0325
159.4667	0.4701	0.0174	0.002	0.0194
159.5	0.4675	0.0174	0.0007	0.018
159.5333	0.4671	0.0174	0.002	0.0194
159.5667	0.4612	0.0042	0.002	0.0062
159.6	0.4639	0.0042	0.002	0.0062
159.6333	0.4619	0.0042	0.0007	0.0049
159.6667	0.4599	0.0305	0.0007	0.0312
159.7	0.4586	0.0174	0.0033	0.0207
159.7333	0.501	0.0305	0.002	0.0325
159.7667	0.5577	0	0.0007	0.0007
159.8	0.6215	0.0174	0.0033	0.0207
159.8333	0.6933	0.0174	0.0033	0.0207
159.8667	0.7726	0.0305	0.0007	0.0312
159.9	0.8473	0.0305	0.0007	0.0312
159.9333	0.925	0.0305	0.002	0.0325
159.9667	1.0083	0.0042	0.002	0.0062
160	1.0781	0.0174	0.002	0.0194
160.0333	1.1505	0.0042	0.002	0.0062
160.0667	1.2127	0.0174	0.0033	0.0207
160.1	1.1943	0.0042	0.002	0.0062
160.1333	1.1801	0.0042	0.0033	0.0075
160.1667	1.1647	0.0305	0.002	0.0325
160.2	1.1558	0.0042	0.002	0.0062
160.2333	1.1423	0.0174	0.002	0.0194
160.2667	1.1327	0.0042	0.0046	0.0088
160.3	1.1199	0.0042	0.002	0.0062
160.3333	1.107	0.0042	0.002	0.0062
160.3667	1.1001	0.0174	0.0007	0.018
160.4	1.0903	0.0174	0.0007	0.018
160.4333	1.0837	0.0174	0.002	0.0194
160.4667	1.0708	0.0042	0.002	0.0062
160.5	1.0633	0.0042	0.002	0.0062

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
160.5333	1.056	0.0305	0.002	0.0325
160.5667	1.0462	0.0042	0.0007	0.0049
160.6	1.0363	0.0174	0.002	0.0194
160.6333	1.0307	0.0305	0.0033	0.0338
160.6667	1.0211	0.0174	0.002	0.0194
160.7	1.0182	0.0305	0.002	0.0325
160.7333	1.007	0.0174	0.0033	0.0207
160.7667	0.9988	0.0042	0.002	0.0062
160.8	0.9958	0.0174	0.0007	0.018
160.8333	0.9872	0.0305	0.002	0.0325
160.8667	0.9833	0.0174	0.0007	0.018
160.9	0.9747	0.0174	0.0033	0.0207
160.9333	0.9665	0.0174	0.002	0.0194
160.9667	0.9639	0.0174	0.0033	0.0207
161	0.9589	0.0174	0.0007	0.018
161.0333	0.9487	0.0174	0.0046	0.022
161.0667	0.9448	0.0042	0.002	0.0062
161.1	0.9402	0	0.002	0.002
161.1333	0.9332	0.0174	0.002	0.0194
161.1667	0.9283	0.0174	0.002	0.0194
161.2	0.9237	0.0042	0.0007	0.0049
161.2333	0.9168	0.0305	0.0033	0.0338
161.2667	0.9138	0.0042	0.002	0.0062
161.3	0.9112	0.0305	0.002	0.0325
161.3333	0.9007	0.0042	0.0007	0.0049
161.3667	0.899	0.0042	0.0007	0.0049
161.4	0.8885	0.0174	0	0.0174
161.4333	0.8908	0.0305	0.002	0.0325
161.4667	0.8832	0.0174	0.002	0.0194
161.5	0.8806	0.0305	0.002	0.0325
161.5333	0.8743	0.0174	0.0033	0.0207
161.5667	0.8697	0.0042	0.002	0.0062
161.6	0.8664	0.0174	0.0033	0.0207
161.6333	0.8575	0.0042	0.002	0.0062
161.6667	0.8569	0.0174	0.002	0.0194
161.7	0.8552	0.0174	0.0007	0.018
161.7333	0.85	0.0174	0.002	0.0194
161.7667	0.847	0.0305	0.0007	0.0312
161.8	0.8404	0.0174	0.0033	0.0207
161.8333	0.8355	0.0174	0.0007	0.018
161.8667	0.8322	0.0042	0.002	0.0062
161.9	0.8259	0.0042	0.0007	0.0049
161.9333	0.8253	0.0174	0.0007	0.018

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
161.9667	0.8217	0.0174	0.002	0.0194
162	0.8154	0.0042	0.0033	0.0075
162.0333	0.8144	0.0174	0.0033	0.0207
162.0667	0.8101	0.0305	0.002	0.0325
162.1	0.8045	0.0042	0.002	0.0062
162.1333	0.8006	0.0042	0.002	0.0062
162.1667	0.7943	0.0174	0.0007	0.018
162.2	0.7934	0.0305	0.0007	0.0312
162.2333	0.7894	0.0042	0.002	0.0062
162.2667	0.7858	0.0042	0	0.0042
162.3	0.7822	0.0042	0.002	0.0062
162.3333	0.7802	0.0042	0.0007	0.0049
162.3667	0.7762	0.0042	0.002	0.0062
162.4	0.7743	0.0042	0.002	0.0062
162.4333	0.7693	0.0174	0.002	0.0194
162.4667	0.7644	0.0174	0.002	0.0194
162.5	0.7614	0.0174	0.002	0.0194
162.5333	0.7581	0.0042	0.002	0.0062
162.5667	0.7575	0.0174	0.0033	0.0207
162.6	0.7499	0.0174	0.0033	0.0207
162.6333	0.7476	0.0174	0.002	0.0194
162.6667	0.7486	0.0174	0.0007	0.018
162.7	0.7417	0.0305	0.0033	0.0338
162.7333	0.7371	0.0042	0.0033	0.0075
162.7667	0.7357	0.0305	0	0.0305
162.8	0.7311	0.0305	0.002	0.0325
162.8333	0.7272	0.0174	0.0033	0.0207
162.8667	0.7232	0.0174	0.0007	0.018
162.9	0.7236	0.0042	0.002	0.0062
162.9333	0.7193	0.0042	0.0007	0.0049
162.9667	0.7176	0.0174	0.002	0.0194
163	0.714	0.0042	0.002	0.0062
163.0333	0.7091	0.0042	0.002	0.0062
163.0667	0.7061	0.0042	0.002	0.0062
163.1	0.7012	0	0.002	0.002
163.1333	0.7025	0.0174	0.0033	0.0207
163.1667	0.6966	0.0042	0.002	0.0062
163.2	0.6933	0.0174	0.0007	0.018
163.2333	0.693	0.0174	0.002	0.0194
163.2667	0.6897	0.0042	0.0033	0.0075
163.3	0.6883	0.0174	0.002	0.0194
163.3333	0.6831	0.0174	0.0007	0.018
163.3667	0.6798	0.0174	0.0007	0.018

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
163.4	0.6788	0.0042	0.0007	0.0049
163.4333	0.6742	0.0174	0.0033	0.0207
163.4667	0.6742	0.0174	0.0007	0.018
163.5	0.6702	0.0042	0.0033	0.0075
163.5333	0.6689	0.0042	0.002	0.0062
163.5667	0.6643	0	0.0046	0.0046
163.6	0.6633	0.0042	0.0007	0.0049
163.6333	0.6581	0.0174	0.0007	0.018
163.6667	0.6551	0.0174	0.002	0.0194
163.7	0.6502	0.0174	0.0007	0.018
163.7333	0.6485	0.0042	0.002	0.0062
163.7667	0.6469	0.0305	0.002	0.0325
163.8	0.6426	0.0174	0	0.0174
163.8333	0.6429	0.0305	0.0007	0.0312
163.8667	0.64	0.0042	0.0033	0.0075
163.9	0.6373	0.0305	0.002	0.0325
163.9333	0.6344	0.0305	0.0033	0.0338
163.9667	0.6307	0.0174	0.0033	0.0207
164	0.6304	0.0174	0.0033	0.0207
164.0333	0.6278	0.0305	0.0007	0.0312
164.0667	0.6235	0.0305	0.0033	0.0338
164.1	0.6195	0.0042	0.0033	0.0075
164.1333	0.6166	0.0042	0.002	0.0062
164.1667	0.6172	0.0174	0.0007	0.018
164.2	0.6146	0.0174	0.002	0.0194
164.2333	0.6123	0.0174	0	0.0174
164.2667	0.6097	0.0305	0.0033	0.0338
164.3	0.6057	0.0042	0.0007	0.0049
164.3333	0.6116	0.0174	0	0.0174
164.3667	0.6976	0.0305	0.0007	0.0312
164.4	0.7897	0.0174	0	0.0174
164.4333	0.8826	0	0.002	0.002
164.4667	0.9701	0.0174	0.0046	0.022
164.5	1.0521	0.0174	0.002	0.0194
164.5333	1.1363	0.0174	0.002	0.0194
164.5667	1.1485	0.0305	0.0007	0.0312
164.6	1.1334	0.0174	0.002	0.0194
164.6333	1.1255	0.0174	0.002	0.0194
164.6667	1.1107	0.0042	0.002	0.0062
164.7	1.1041	0.0305	0.002	0.0325
164.7333	1.0912	0.0042	0.002	0.0062
164.7667	1.0824	0.0174	0.002	0.0194
164.8	1.0745	0.0174	0.002	0.0194

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
164.8333	1.0656	0.0174	0.002	0.0194
164.8667	1.0564	0.0305	0.0007	0.0312
164.9	1.0508	0.0042	0.002	0.0062
164.9333	1.0392	0.0042	0.0007	0.0049
164.9667	1.0313	0.0174	0.002	0.0194
165	1.0264	0.0174	0.0007	0.018
165.0333	1.0211	0.0174	0.002	0.0194
165.0667	1.0116	0.0174	0.002	0.0194
165.1	1.002	0.0174	0.002	0.0194
165.1333	0.9991	0.0174	0.0033	0.0207
165.1667	0.9882	0.0174	0.002	0.0194
165.2	0.9826	0.0174	0.002	0.0194
165.2333	0.9751	0.0305	0.002	0.0325
165.2667	0.9691	0.0437	0	0.0437
165.3	0.9642	0.0437	0.002	0.0457
165.3333	0.9593	0.0174	0.002	0.0194
165.3667	0.9553	0.0042	0	0.0042
165.4	0.9467	0.0174	0.002	0.0194
165.4333	0.9418	0.0174	0.002	0.0194
165.4667	0.9362	0.0042	0.0033	0.0075
165.5	0.9306	0.0174	0.002	0.0194
165.5333	0.926	0.0174	0.0033	0.0207
165.5667	0.9168	0.0305	0.002	0.0325
165.6	0.9138	0.0042	0.0007	0.0049
165.6333	0.9079	0.0174	0.002	0.0194
165.6667	0.9049	0.0305	0.002	0.0325
165.7	0.9016	0.0174	0.002	0.0194
165.7333	0.8921	0.0174	0.0007	0.018
165.7667	0.8924	0	0.002	0.002
165.8	0.8849	0.0174	0.002	0.0194
165.8333	0.8796	0.0174	0.002	0.0194
165.8667	0.8733	0.0174	0.0007	0.018
165.9	0.8677	0.0174	0.002	0.0194
165.9333	0.8681	0.0174	0.0007	0.018
165.9667	0.8615	0.0042	0.0007	0.0049
166	0.8595	0.0305	0	0.0305
166.0333	0.8516	0.0042	0.0007	0.0049
166.0667	0.85	0.0174	0.0033	0.0207
166.1	0.8444	0.0174	0.002	0.0194
166.1333	0.8391	0.0305	0.0007	0.0312
166.1667	0.8338	0.0174	0.002	0.0194
166.2	0.8335	0.0042	0.002	0.0062
166.2333	0.8299	0.0042	0.002	0.0062

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Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
166.2667	0.8253	0.0174	0.002	0.0194
166.3	0.8217	0.0042	0.0033	0.0075
166.3333	0.8131	0.0174	0.0033	0.0207
166.3667	0.8111	0.0174	0.002	0.0194
166.4	0.8052	0.0174	0.002	0.0194
166.4333	0.8032	0.0174	0.0033	0.0207
166.4667	0.8036	0.0305	0.002	0.0325
166.5	0.7983	0.0042	0.0007	0.0049
166.5333	0.793	0.0174	0.002	0.0194
166.5667	0.791	0.0305	0.0033	0.0338
166.6	0.7891	0.0174	0.0007	0.018
166.6333	0.7802	0.0174	0.002	0.0194
166.6667	0.7762	0.0305	0.002	0.0325
166.7	0.7759	0.0042	0.0007	0.0049
166.7333	0.7726	0.0042	0.002	0.0062
166.7667	0.769	0.0305	0.0007	0.0312
166.8	0.7667	0.0042	0.0033	0.0075
166.8333	0.7641	0.0305	0.0033	0.0338
166.8667	0.7575	0.0174	0.0007	0.018
166.9	0.7532	0.0174	0.002	0.0194
166.9333	0.7525	0.0174	0.002	0.0194
166.9667	0.7509	0.0042	0	0.0042
167	0.7466	0.0305	0.0007	0.0312
167.0333	0.7453	0.0305	0.0007	0.0312
167.0667	0.7427	0.0042	0.0007	0.0049
167.1	0.739	0.0042	0.002	0.0062
167.1333	0.7348	0.0305	0.0007	0.0312
167.1667	0.7348	0.0174	0.0033	0.0207
167.2	0.7295	0.0305	0.0033	0.0338
167.2333	0.7262	0.0174	0.002	0.0194
167.2667	0.7223	0.0305	0.0033	0.0338
167.3	0.7236	0.0174	0.0007	0.018
167.3333	0.7193	0.0042	0.0046	0.0088
167.3667	0.719	0.0174	0.002	0.0194
167.4	0.7088	0.0042	0.002	0.0062
167.4333	0.7107	0.0042	0.0007	0.0049
167.4667	0.7068	0.0042	0.002	0.0062
167.5	0.7012	0.0174	0.0033	0.0207
167.5333	0.7035	0.0174	0.0033	0.0207
167.5667	0.6992	0.0305	0.002	0.0325
167.6	0.6946	0.0174	0.002	0.0194
167.6333	0.6923	0.0042	0.0033	0.0075
167.6667	0.6916	0.0174	0.0033	0.0207

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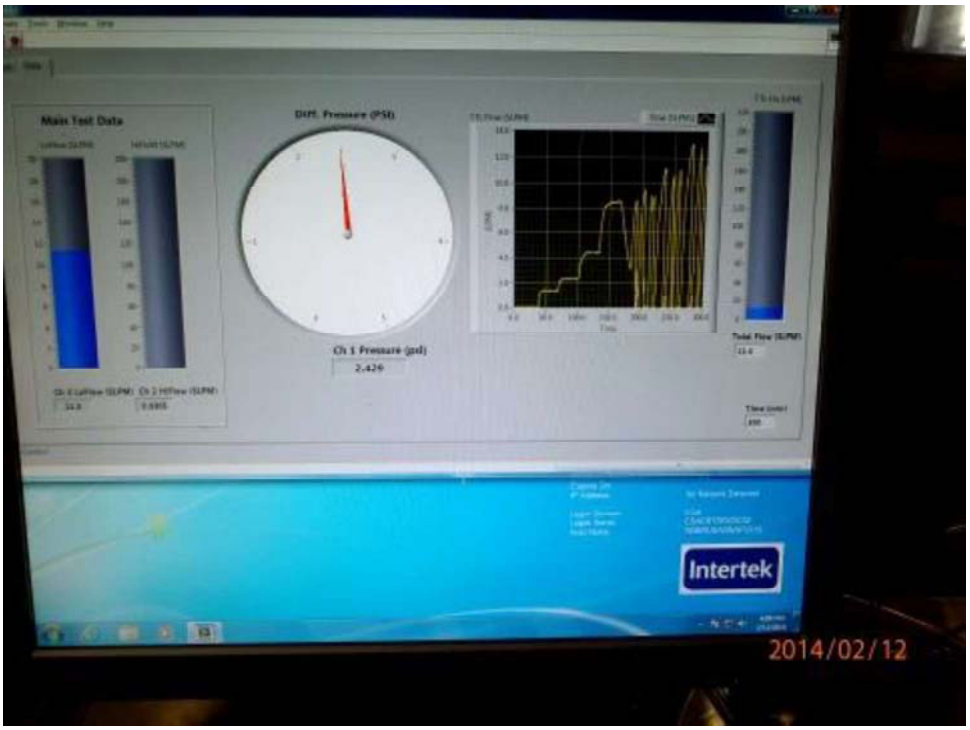
Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
167.7	0.6851	0.0042	0.002	0.0062
167.7333	0.6804	0.0042	0.0007	0.0049
167.7667	0.6801	0.0305	0.0007	0.0312
167.8	0.6765	0.0042	0.0033	0.0075
167.8333	0.6745	0.0174	0.0033	0.0207
167.8667	0.6716	0.0174	0.0007	0.018
167.9	0.6702	0.0174	0.0007	0.018
167.9333	0.6646	0.0305	0.002	0.0325
167.9667	0.6646	0.0174	0.0007	0.018
168	0.662	0.0042	0.0007	0.0049
168.0333	0.6561	0.0174	0.002	0.0194
168.0667	0.6558	0.0174	0.0033	0.0207
168.1	0.6515	0.0042	0.002	0.0062
168.1333	0.6515	0.0174	0.002	0.0194
168.1667	0.6479	0.0174	0.002	0.0194
168.2	0.6465	0.0174	0.0007	0.018
168.2333	0.6403	0.0174	0.0007	0.018
168.2667	0.6416	0.0174	0.0033	0.0207
168.3	0.6419	0.0174	0	0.0174
168.3333	0.6324	0.0042	0.002	0.0062
168.3667	0.6314	0.0042	0.0007	0.0049
168.4	0.6298	0.0174	0.0033	0.0207
168.4333	0.6251	0.0305	0	0.0305
168.4667	0.6245	0.0305	0.0033	0.0338
168.5	0.6199	0.0305	0.0007	0.0312
168.5333	0.6172	0.0174	0.002	0.0194
168.5667	0.6172	0.0174	0.002	0.0194
168.6	0.6166	0.0305	0.0033	0.0338
168.6333	0.6077	0.0042	0.002	0.0062
168.6667	0.6087	0.0174	0	0.0174
168.7	0.6031	0.0174	0.0007	0.018
168.7333	0.6008	0.0174	0.002	0.0194
168.7667	0.5985	0.0174	0.002	0.0194
168.8	0.5991	0.0042	0.0033	0.0075
168.8333	0.5952	0.0174	0.002	0.0194
168.8667	0.5962	0.0174	0.002	0.0194
168.9	0.5926	0	0.0007	0.0007
168.9333	0.5873	0.0174	0.002	0.0194
168.9667	0.587	0.0174	0.002	0.0194
169	0.5827	0.0174	0.0033	0.0207
169.0333	0.5824	0.0174	0.0007	0.018
169.0667	0.581	0.0042	0.0007	0.0049
169.1	0.5764	0.0174	0.0007	0.018

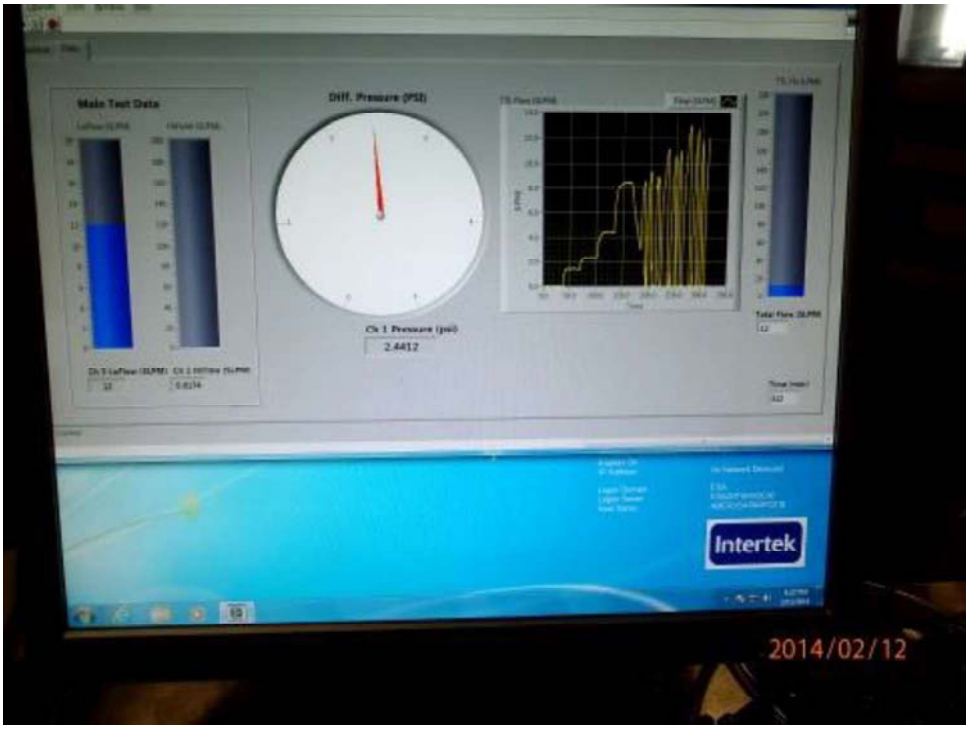
Areva NP Inc. Project No. G101276459SAT-023 February 12, 2014

Time (min)	Ch 1 dP (psi)	Ch 2 High Flow (LPM)	Ch 3 Low Flow (LPM)	Total Flow (LPM)
169.1333	0.5741	0.0042	0.002	0.0062
169.1667	0.5741	0.0174	0	0.0174
169.2	0.5692	0.0042	0.002	0.0062
169.2333	0.5689	0.0174	0.0007	0.018
169.2667	0.5626	0.0174	0.0007	0.018
169.3	0.5646	0.0042	0.0033	0.0075
169.3333	0.5613	0.0174	0.002	0.0194
169.3667	0.5583	0.0042	0.002	0.0062
169.4	0.5547	0.0174	0.002	0.0194
169.4333	0.5514	0.0042	0.002	0.0062
169.4667	0.5511	0.0042	0.002	0.0062
169.5	0.5531	0	0.002	0.002
169.5333	0.5442	0.0174	0.002	0.0194
169.5667	0.5432	0.0042	0.0007	0.0049
169.6	0.5412	0.0042	0.002	0.0062
169.6333	0.5382	0.0174	0.002	0.0194
169.6667	0.5396	0.0174	0.0033	0.0207
169.7	0.5284	0.0174	0.002	0.0194
169.7333	0.5017	0.0174	0.0033	0.0207
169.7667	0.4711	0.0042	0	0.0042
169.8	0.4454	0.0174	0.002	0.0194
169.8333	0.4211	0.0174	0.0033	0.0207
169.8667	0.3944	0.0305	0.0007	0.0312
169.9	0.3704	0.0174	0.002	0.0194
169.9333	0.3529	0.0042	0.002	0.0062
169.9667	0.3312	0.0174	0.0033	0.0207
170	0.3098	0.0174	0	0.0174
170.0333	0.2901	0.0174	0.002	0.0194
170.0667	0.2729	0.0305	0.0007	0.0312
170.1	0.2575	0.0305	0.002	0.0325

APPENDIX C
Photographs


Main Test Data
Diff. Pressure (PSI)
Ch 1 Pressure (psi)
2.0277
Intertek
2014/02/12


Main Test Data
Diff. Pressure (PSI)
Ch 1 Pressure (psi)
2.424
Intertek
2014/02/12


Main Test Data
Diff. Pressure (PSI)
Ch 1 Pressure (psi)
2.4412
Intertek
2014/02/12


QSIL 5558MC
9215844-P2
2014/02/12


9215844-P1
2014/02/12


DC-170
2014/02/12


-170
2014/02/12


2014/02/12

APPENDIX D
Test Plan

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20004-020 (10/21/2013)

AREVA

AREVA NP Inc.

Engineering Information Record

Document No.: 51 - 9217475 - 000

Detailed Test Plan for Conducting MOX Seismic Pressure Test 9

[redacted]

Mike Dey
Staff Engineer

[redacted]

Michael A. Brown
Quality Supervisor

Intertek

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20004-020 (10/21/2013)
Document No.: 51-9217475-000

Detailed Test Plan for Conducting MOX Seismic Pressure Test 9

Safety Related? ☒ YES ☐ NO

Does this document establish design or technical requirements? ☐ YES ☒ NO

Does this document contain assumptions requiring verification? ☐ YES ☒ NO

Does this document contain Customer Required Format? ☐ YES ☒ NO

Signature Block

Name and Title/Discipline	Signature	P/LP, R/LR, A-CRF, A	Date	Pages/Sections Prepared/Reviewed/ Approved or Comments
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Derrick Risner Engineer I / PEYF1-A	[redacted]	R	1-22-14	All
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Note: P/LP designates Preparer (P), Lead Preparer (LP)
R/LR designates Reviewer (R), Lead Reviewer (LR)
A-CRF designates Project Manager Approver of Customer Required Format (A-CRF)
A designates Approver/RTM – Verification of Reviewer Independence

Project Manager Approval of Customer References (N/A if not applicable)

Name (printed or typed)	Title (printed or typed)	Signature	Date
Perry Calos	Project Manager / IBL-A	[redacted]	1/22/14

MOX Services concurrence: [redacted] Richard Warren / Sr. Fire Protection Engineer — 23Jan14

Name / Title — Date

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20004-020 (10/21/2013)
Document No.: 51-9217475-000

Detailed Test Plan for Conducting MOX Seismic Pressure Test 9

Record of Revision

Revision No.	Pages/Sections/ Paragraphs Changed	Brief Description / Chan28ge Authorization
000	All	Initial Issue. This document contains the main body of the report (pages 1-19), Appendix A (1 page), Appendix B (1 page), Appendix C (4 pages), and Appendix D (2 pages) for a total of 27 pages.

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AREVA

Document No.: 51-9217475-000

Detailed Test Plan for Conducting MOX Seismic Pressure Test 9

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ACRONYMS

ABC	Alternate Building Construction
CGD	Commercial Grade Dedication
CGI	Commercial Grade Item
IROFS	Items Relied On For Safety
MOX	Mixed Oxide
MFFF	Mixed Oxide Fuel Fabrication Facility
QA	Quality Assurance
QC	Quality Control
QL	Quality Level
pcf	pounds per cubic foot
psf	pounds per square foot
SSC	Structures, Systems and Components
w.g.	Water Gauge

Penetration Seal Materials

QSil 5558MC	Quantum Silicones QSil 5558MC Silicone Elastomer
DC-170	Dow Corning Sylgard 170 Silicone Elastomer
DC-790	Dow Corning 790 Silicone Building Sealant

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Document No.: 51-9217475-000

Detailed Test Plan for Conducting MOX Seismic Pressure Test 9

BACKGROUND

AREVA Inc. (AREVA) is assisting Shaw AREVA MOX Services (MOX Services) in the development and implementation of a penetration seal program for the Mixed Oxide Fuel Fabrication Facility (MFFF). One aspect of the MOX penetration seal program includes conducting various types of qualification tests of penetration seal assemblies to substantiate the performance capabilities of specific penetration seal designs. Seismic pressure testing is one type of qualification testing that needs to be performed in order to demonstrate the capability of MOX penetration seal designs to survive a seismic event. Other types of qualification testing, such as fire testing and pressure testing of penetration seal assemblies, are addressed by other test plans.

1.0 PURPOSE

The purpose of this test plan is to define the test assemblies, test methods and acceptance criteria for conducting a seismic pressure test in support of the MOX penetration seal program.

This test plan defines the test methods, acceptance criteria and test report documentation requirements for Seismic Pressure Test 9. Additionally, this detailed test plan defines the roles and responsibilities of MOX Services, AREVA, the selected testing laboratory, and any other subcontracted entity engaged in support of seismic pressure testing efforts.

This detailed test plan also describes the procurement plan for materials associated with penetration seals in Seismic Pressure Test 9 and identifies the entities responsible for procuring the various components of the test assembly based on the quality level assigned to each component.

This test plan also establishes minimum quality requirements for the penetration seal materials used in the test assembly and links quality requirements in the AREVA QA program to customer/project quality requirements.

The configuration being tested by Seismic Pressure Test 9 is the same assembly that was tested under Pressure Test 11 (51-9215844 [Ref. 12.6]). This configuration is described in detail in Section 2.2 of this Test Plan.

2.0 OBJECTIVE

The primary objective of this test plan is to evaluate the seismic resistance capabilities of elastomer penetration seals for the sealing of openings in alternate building construction (ABC) walls using alternating pressures at the air pressure increments above atmospheric pressure provided in Section 9.2.

The primary construction material used in the MOX facility is MOX-Crete, a special concrete blend mixed and installed on site. Penetration seal designs have been developed and tested in concrete applications for use in the MOX facility. In addition, MOX uses a type of alternate building construction (ABC) for forming interior corridor walls and partitions. Penetration seal designs for damper closures, pressure resistance, and for fire ratings have been developed and tested, however, the seismic resistance capability of elastomer seals in ABC walls has not been established.

MOX specific designs for ABC walls are provided on Drawing DCS01-BMF-DS-PLF-A-04509 Sheets 1-3 [Reference 12.7] and Drawing DCS01-BMF-DS-PLS-B-01692 [Reference 12.8]. However, this test is not intended to evaluate the pressure resistance capability of the ABC wall, but rather the elastomer seal to Structo Crete material interface.

The specific configurations to be tested are described below. Critical characteristics and the associated limiting parameters that will be substantiated by a successful test are also provided.

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2.1 Test Deck Description

The test deck will consist of a 12" thick concrete slab measuring approximately 96" x 96" (8' x 8') [Note: Final test slab size to be determined by Intertek and documented in the final test report]. Within this slab there will be two openings into which Structo Crete material will be fastened. The concrete openings will be 14" x 20" without beveled edges. Details for the two penetrations are provided in Section 2.2. The penetrations will be unlined (bare concrete). The test deck will be horizontally oriented with a hemispherical 72" diameter steel pressure vessel mounted on each side of the precast openings in the slab.

> Note: It is anticipated that the slab with the silicone elastomer seals used for Pressure Test 11 will not be damaged during Pressure Test 11 and will be available for reuse in this seismic pressure test. For the purpose of Seismic Pressure Test 9, no changes will be made to the silicone elastomer seals installed for Pressure Test 11 (51-9215844 Ref. 12.6).

Additionally, most of the openings (penetrations) in the MOX facility have been cast with a ¾" bevel on both sides of the opening. For testing and qualification purposes, this feature is considered aesthetic, and it has no adverse effect on the functional performance of the penetration seal installation. In fact for some applications, such as in the case of seismically qualified penetrations seals, the bevel provides a benefit over non-beveled openings. Beveled edges are cast into concrete openings and do not apply to ABC barriers. Therefore, for the purposes of the penetration seal test program, the bevel feature will not be included for the seismic pressure test covered in this test plan.

Drawings showing the general layout of the test deck (test slab) for this seismic pressure test can be found in Appendix A.

> Note: If the slab from Pressure Test 11 was damaged during testing or is otherwise not available, this test plan will require revision.

2.2 Test Description

There are two openings in the test deck that will be lined with ABC wall material (Structo Crete) creating two penetrations to be sealed and tested in Seismic Pressure Test 9.

Penetration P1 - Test penetration P1 is a 14" x 20" concrete opening containing no penetrating items. Structo Crete panels will be installed within the opening as shown in Appendix B. Structo Crete panels are generally provided with one side smoother than the other (as a result of the manufacturing process). Two sides of the penetration wil be lined with the smoother side of the Structo Crete panels facing the seal material and two sides with the smoother side facing away. This penetration will be sealed with an 8" depth of Dow Corning Sylgard® 170 Silicone Elastomer (DC-170) with no permanent damming.

Penetration P2 - Test penetration P1 is a 14" x 20" concrete opening containing no penetrating items. Structo Crete panels will be installed within the opening as shown in Appendix B. Structo Crete panels are generally provided with one side smoother than the other (as a result of the manufacturing process). Two sides of the penetration wil be lined with the smoother side of the Structo Crete panels facing the seal material and two sides with the smoother side facing away. This penetration will be sealed with a 8" depth of Quantum Silicones QSil 5558MC Silicone Elastomer (QSil 5558MC) with no permanent damming.

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The Structo Crete and penetration seal materials will be located within the openings as shown in Appendix B. The test will be performed with the test deck oriented in the horizontal position and in accordance with Section 9.0.

2.3 Critical Characteristics and Limiting Parameters Being Tested

The specific critical characteristics and associated limiting parameters being tested for Seismic Pressure Test 9 are as follows:

- P1: Dow Corning 170 silicone elastomer installed within a Structo Crete lined opening having a total bond area of approximately 496 in^2, a total pressurized area of approximately 231 in^2. This results in a "pressurized area" to "bond area" ratio of approximately 1:2.15 (231:496).
- P2: QSil 5558MC silicone elastomer installed within a Structo Crete lined opening having a total bond area of approximately 496 in^2, a total pressurized area of approximately 231 in^2. This results in a "pressurized area" to "bond area" ratio of approximately 1:2.15 (231:496).

3.0 ACCEPTANCE CRITERIA

Seismically qualified penetration seals at the MOX facility are required to remain in the opening (penetration) during and after a Design Earthquake seismic event. In order demonstrate that a penetration seal will remain in place, the seal will have to be evaluated for two conditions: 1) The seismic inertia of the self-weight of the seal will have to be evaluated; and 2) The seismic deflection of the commodities penetrating the seal will have to be considered.

Seismic pressure testing will be used to evaluate the seismic inertia of the self-weight of the seal assembly. This will be accomplished by applying a pressure to alternating sides of the penetration seal to demonstrate that the seal will not become dislodged from the opening due to the seismic inertia of the self-weight of the seal. The seismic deflection of commodities that penetrate the seal will be addressed by a separate analysis.

Ultimately, the overall seismic qualification of MOX penetration seal assemblies will be captured in a penetration seal seismic qualification report that will tie together the results of seismic pressure testing with other analyses performed to address seismic deflection of commodities that penetrate the seal.

The acceptance criterion for evaluating the seismic inertia of the seal self-weight is calculated in MOX Services Calculation "Penetration Seal Seismic Requirements" [Reference 12.1] and expressed as an equivalent pressure. Testing at this equivalent pressure will qualify that a penetration seal assembly will remain in place (i.e., the penetration seal cannot become dislodged from the opening or otherwise catastrophically fail such that a substantial leakage path is created) during the design earthquake seismic event.

The relative movement of the items penetrating the seal during a seismic event are not considered as a part of this test. A separate engineering evaluation is required to evaluate the effect of movement on a seal with penetrating items during a seismic event.

No pressure inducing events are required to be considered concurrently with a seismic event.

Table 9-1 identifies the differential pressure levels (stages) for conducting this seismic pressure test, as well as, the acceptance criteria in order for the penetration seal assemblies to meet the seismic pressure testing requirements.

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4.0 RESPONSIBILITIES

The following roles and responsibilities apply to this detailed test plan.

4.1 MOX Services

4.1.1 Provide review and concurrence of this detailed seismic pressure test plan.

4.1.2 Provide concurrence for any revisions made to this detailed seismic pressure test plan during test specimen construction activities.

4.1.3 Provide some of the materials for test assembly construction from MOX Services surplus or scrap (if available).

4.1.4 Reserves the right to witness seismic pressure testing.

4.2 AREVA

4.2.1 Develop this detailed seismic pressure test plan.

4.2.2 Provide management and oversight of all aspects of the MOX penetration seal test program.

4.2.3 Select the seismic pressure testing facility and establish sub-contract agreements.

4.2.4 Provide engineering instructions to the testing laboratory for performance of the test including test parameters, acceptance criteria, requirements for documenting the test results in a final test report, etc.

4.2.5 Procure any penetration seal materials, devices or components required to be Safety Related (QL-1) as designated in the procurement plan section of the test plan.

4.2.6 Notify MOX Services at least 10 days prior to test date to facilitate MOX Services decision to witness the seismic pressure test.

4.2.7 Witness the seismic pressure tests.

4.2.8 Perform post-test examinations.

4.2.9 Review, approve and issue final test report.

4.3 Testing Laboratory

4.3.1 Notify AREVA at least 5 days prior to the start of test assembly construction activities.

4.3.2 Construct test deck in accordance with this detailed test plan and AREVA direction.

4.3.3 Procure test deck materials and any other test assembly components identified under the Testing Laboratory scope in the procurement plan section of this detailed test plan.

4.3.4 Procure testing equipment necessary for seismic pressure testing services in accordance with the detailed seismic pressure test plans and verify that the testing equipment is properly calibrated.

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4.3.5 Provide seismic pressure testing services in accordance with this approved detailed seismic pressure test plan.

4.3.6 Assist AREVA, as necessary, in conducting detailed post-test destructive examinations of the test assembly.

4.3.7 Dispose of test assembly upon completion of the seismic pressure test.

4.3.8 Generate a final test report in accordance with test plan requirements.

4.4 Other Subcontracted Entities

There are no other Subcontractors for this seismic pressure test plan.

5.0 PROCUREMENT PLAN

Penetration seal seismic pressure testing involves many elements beyond the penetration seal material being qualified. Some of these elements include the test deck or test slab, several different types of penetrating items, supports for penetrating items, various fasteners for securing test articles and laboratory instrumentation to the test assembly, etc. Not all elements of the test program are required to be procured to the same quality level as the penetration seal material to satisfy the quality requirements of the end product (e.g., QL-1 qualified penetration seals). The following procurement plan takes into consideration the required quality level of the various materials envisioned to be required for a typical penetration seal seismic pressure test and prescribes an approach for material procurement which considers cost, schedule and quality requirements.

5.1 Penetration Seal Materials

The vast majority of penetration seals that will be installed throughout the MFFF are designated QL-1. MOX Services defines QL-1 in PP9-1, "SSC Quality Levels & Marking Design Documents" [Reference 12.2] as follows:

> *QL-1 SSCs are typically IROFS (all IROFS are QL-1 and may be either SSCs or Administrative Controls) credited in the Integrated Safety Analysis with a required function to prevent or mitigate design basis events such that high-consequence events are made highly unlikely; intermediate-consequence events are made unlikely; or to prevent criticality. For example, the failure of an IROFS item could cause:*
>
> 1. *Loss of a primary confinement feature leading to release of material resulting in exceeding 10CFR70.61 performance requirements;*
> 2. *Failure to satisfy the double contingency principle for the prevention of a criticality accident; or*
> 3. *Loss of other safety function required to meet 10CFR70.61 performance requirements.*

This definition correlates with the following definition of "Nuclear Safety Related" in AREVA Administrative Procedure (AP) 1702-25, "Assignment of Nuclear Safety Classification to Products and Services" [Reference 12.3]:

> *Definition of "Nuclear Safety Related"*

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Company products and services are considered to be nuclear safety related if they involve the evaluation, specification, design or change in design, operation, or performance of structures, systems, and components which must function directly, or must support other systems which function, to ensure any of the following:

- *The integrity of the reactor coolant pressure boundary*
- *The capability to shut down the reactor and maintain it in a safe shutdown condition*
- *The capability to prevent or mitigate the consequences of accidents which could result in potential offsite radiation exposures greater than accepted limits.*

On this basis, permanent penetration seal materials used in this test program shall be procured by AREVA or supplied by MOX Services and suitably base-lined so that future procurements of the same commercial materials can undergo the commercial grade dedication process in support Nuclear Safety Related (i.e., MOX QL-1) plant installations. Only the primary seal material specified as a part of the final seal design and which are left in place during testing become an integral part of the seal assembly and need to be base-lined for future dedication of similarly procured materials.

The quality level of the penetration seal materials procured for this test plan is **Non-Safety**.

Note: Commercial Grade Dedication (CGD) must be performed for Commercial Grade Items (CGIs) used in Safety Related applications when procured from suppliers where specific quality controls for nuclear applications cannot be imposed in a practical manner in accordance with 56-9141754-001, "AREVA NP Inc. Quality Assurance Program" [Reference 12.4]. However, none of the seal materials to be procured and used in the test program are intended or approved for installation in the MOX facility. Therefore, CGD of penetration seal materials used for test purposes is not required.

For this seismic pressure test, the following materials shall be procured by AREVA and base-lined for future dedication activities.

1. Quantum Silicones QSil 5558MC Silicone Elastomer
2. Dow Corning Sylgard 170 Silicone Elastomer

5.2 Test Deck/Test Slab

The test deck/test slab will be used to simulate a boundary in which the penetration seal assemblies may be installed. The test deck/test slab is not considered an integral part of the penetration seal assembly being tested and therefore is not intended to replicate MOX-specific plant conditions and not considered integral in bounding the performance of the penetration seal assemblies (e.g., concrete blend, compressive strength, rebar size and spacing). The test deck/test slab will be comprised of normal weight reinforced concrete, unless otherwise stipulated in the detailed test plan.

Openings cast into the test deck/test slab will simulate certain features consistent with MOX penetrations (e.g., painted or coated interior finishes, etc.) as defined by detailed test plan drawings contained in Appendix A.

The testing laboratory shall be responsible for procuring all materials and components associated with the construction of the test deck/test slab, unless otherwise specified in the detailed test plan. The test deck shall comply with the requirements of the approved detailed test plan drawings contained in Appendix A, and shall be constructed in accordance with the testing facility's Quality Assurance Program.

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The quality level of the test deck is **Non-safety**.

5.3 Penetrating Items

There are no penetrating items (e.g., conduits, cable trays and wire ways) associated with this seismic pressure test.

6.0 SPECIAL PRECAUTIONS

6.1 Precautions for Construction of Test Assemblies

Observe testing facilities safe work practices for construction, lifting, and moving of test assemblies.

6.2 Precautions for Installation of Seal Assemblies

Observe specific precautions recommended by seal material manufacturer as noted on product literature and material safety data sheets contained in AREVA NP Inc. Document 01-9198306, *Installation Instruction Manual for MOX Penetration Seal Test Program* [Reference 12.5].

6.3 Precautions for Conducting Seismic Pressure Tests

Proper safety precautions shall be exercised to preclude personnel from direct exposure to loss of pressure events, unexpected disengaging of testing equipment from the test deck, and all other related hazards.

7.0 PREREQUISITES

7.1 General Test Configuration Requirements

The test assembly, including slab layout and penetration seal configurations shall be as specified by AREVA and in accordance with the drawings and information contained in Appendix A and Appendix B of this test plan, and AREVA NP Inc. Document 01-9198306, *Installation Instruction Manual for MOX Penetration Seal Test Program* [Reference 12.5].

7.2 Safety Related Materials

Penetration seal materials that are purchased **Non-Safety** for this test program but are to be base-lined for future Nuclear Safety Related via the Commercial Grade Dedication process are indicated on the AREVA Bill of Materials (Appendix C.1).

7.3 Dimensioned Drawings

All test articles shall conform to the dimensioned drawings supplied by AREVA and contained in Appendix A and Appendix B of this test plan. Any differences between designed and constructed/tested assemblies shall be noted in final drawings contained within the test report.

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7.4 Test Configuration

All test articles shall be securely fastened to the test apparatus by the laboratory. All openings shall be sealed in accordance with test plan instructions, drawings (Appendix A and Appendix B) and AREVA Document 01-9198306 [Reference 12.5].

8.0 TEST ASSEMBLY CONSTRUCTION

8.1 Test Slab Construction

The Testing Laboratory shall construct the test slab, including location and size of openings and placement of penetrating items, in accordance with the drawings contained in Appendices A and B of this Test Plan.

AREVA quality control representative (or approved designee) shall conduct an inspection of the test slab for compliance with the approved Test Plan drawings prior to installation of individual penetration seal test assemblies. Any differences between the approved Test Plan drawings and the as-built test slab configuration shall be corrected (if deemed necessary by the ARVEA Test Engineer) or noted by the QC Inspector (if correction is not required). Completion of this verification shall be documented as required by AREVA Document 01-9198306, *Installation Instruction Manual for MOX Penetration Seal Test Program* [Reference 12.5].

8.2 Penetration Seal Installation

AREVA (or approved designee) shall install the penetration seal test assemblies in accordance with the drawings contained in Appendix A and Appendix B of this detailed test plan and in accordance with AREVA Document 01-9198306, *Installation Instruction Manual for MOX Penetration Seal Test Program* [Reference 12.5].

QA/QC verification of penetration seal installations shall be documented as required by AREVA Inc. Document 01-9198306, Installation Instruction Manual for MOX Penetration Seal Test Program [Reference 12.5]. For the purposes of this test plan, the "seal assemblies" requiring QA/QC verification under 01-9198306 are limited to the installations of Dow Corning Sylgard® 170 Silicone Elastomer (DC-170) and Quantum Silicones QSil 5558MC Silicone Elastomer (QSil 5558MC).

8.3 Pre-Test Verifications

Prior to conducting the seismic pressure test, the AREVA Test Engineer shall sign-off indicating that the test article (test penetration) is complete and ready for testing as required by AREVA Document 01-9198306, *Installation Instruction Manual for MOX Penetration Seal Test Program* [Reference 12.5].

9.0 PROCEDURE

9.1 Seismic Pressure Test Apparatus

The seismic pressure test apparatus to be used for this seismic pressure test shall be constructed and maintained by the testing laboratory. Two hemispherical 72" diameter steel pressure vessels shall be used to construct the assembly. One side shall be used to induce the testing pressures above atmospheric pressure based on Table 9-1, while the other side shall measure the pressure increase or "leakage" through the penetration. The test apparatus shall be "leak-tight" and substantial enough to

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withstand the pressures created for test purposes. Attachment shall be sufficient to withstand the forces imposed on the pressure vessels during the test.

9.2 Process

The differential pressures calculated for seismic pressure testing purposes, as they apply to MFFF penetration seal designs, are discussed in Calculation DCS01-ZEQ-EQ-CAL-M-10118-0 [Reference 12.1]. The seismic pressure testing will be performed using the requirements for the seal material being tested based upon the seal weight per square foot found in Calculation DCS01-ZEQ-EQ-CAL-M-10118-0 [Reference 12.1].

The pressure levels to be used for the seismic pressure are specified in Table 9-1. The pressure used in each seismic pressure test is intended to bound a calculated differential pressure based on the penetration seal material's weight per square foot as detailed in the referenced calculation, with additional margin. The penetration seal seismic requirements in the referenced calculation are based upon the seal system type and the seal material. The bounding differential pressure to be used for each penetration seal seismic pressure test, the test hold time at each pressure, the acceptance criteria to meet the seismic pressure testing requirements, and the basis for each pressure are identified in Table 9-1.

A hold time of 5 minutes has been established for each test stage to ensure that sufficient time at pressure is maintained to confirm that the penetration seal will not catastrophically fail (i.e., will not become dislodged from the opening. This hold time provides reasonable assurance that the penetration seal meets the requirements stated in Calculation DCS01-ZEQ-EQ-CAL-M-10118-0 [Reference 12.1].

Table 9-1: Differential Seismic Pressure Test Levels

Test Stage	Differential Pressure (inch w.g.)	Required Hold Time (minutes)	Acceptance Criteria	Basis for the Selected Differential Pressure
1-4	45 (Note 1)	5	Penetration Seal Remains in Opening (Does not become dislodged)	Testing at this differential pressure meets the seismic demand expressed as a pressure [Reference 12.1]

Note 1: For Seismic Pressure Test 9, a nominal density of 85 pcf was used for the silicone elastomer seal material installed for the purposes of determining the test penetration seal's weight per square foot. 85 pcf bounds the installed seal material with margin. 85 pcf times a seal depth of 8", yields a seal weight of approximately 56.7 psf. Based on Figure B-2.1 of Reference 12.1, the corresponding seismic pressure for a seal weight of 56.7 psf is approximately 44.7 inches w.g. Therefore, for Seismic Pressure Test 9 an equivalent seismic pressure of 45 inches w.g. shall be used.

The test assembly shall be attached to the seismic pressure test apparatus and subjected to the pressures identified in Table 9-1 as described below.

9.2.1 For Stage 1, the test assembly shall be attached to the pressure test apparatus and subjected to air pressure test at the select pressure level identified in Table 9-1. Once this pressure has been obtained, the pressure shall be maintained for the hold time specified in Table 9-1. If the penetration seal catastrophically fails during this time, the time of failure shall be noted and the test shall be stopped.

9.2.2 Once the designated hold time for Stage 1 has been achieved, the pressure shall be vented from the test chamber. Next, the pressure identified in Table 9-1 for Stage 2 shall

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be applied to the opposite side of the penetration seal and held for the designated hold time. If the penetration seal catastrophically fails during this time, the time of failure shall be noted and the test shall be stopped.

9.2.3 Once the designated hold time for Stage 2 has been achieved, the pressure shall be vented from the test chamber. Next, the pressure identified in Table 9-1 for Stage 3 shall be applied to the original side of the penetration seal and held for the designated hold time. If the penetration seal catastrophically fails during this time, the time of failure shall be noted and the test shall be stopped.

9.2.4 Once the designated hold time for Stage 3 has been achieved, the pressure shall be vented from the test chamber. Finally, the pressure identified in Table 9-1 for Stage 4 shall be applied to the opposite side of the penetration seal and held for the designated hold time. If the penetration seal catastrophically fails during this time, the time of failure shall be noted and the test shall be stopped.

9.2.5 Following completion of Stage 4 pressure testing, the pressure shall be vented from the test chamber. At this point, the test may continue at the discretion of the AREVA test engineer and the testing laboratory manager in charge. Subsequent pressures, and hold times shall be recorded as directed by the AREVA test engineer.

NOTE: The pressure used for the testing performed above is based on a seal material depth of 8 inches and a seal material density of 85 pcf. Should the test be successful, possible subsequent testing pressures may include those for a 10 inch depth of material (56 inches w.g.) and a 12 inch depth of material (67 inches w.g.).

9.2.6 If at any pressure level (or test stage) the penetration seal becomes dislodged from the opening or otherwise catastrophically fails, the pressure test shall be terminated and the time to failure and pressure at which the failure occurred shall be recorded.

9.3 Post Test Examination

Following completion of the seismic pressure test, visual and destructive (if deemed necessary) post-test examinations shall be performed. These examinations shall include, but not necessarily be limited to, the following:

Visual observations of penetration seal condition including:

- Integrity of seal and conditions on both sides of the penetration
- Location of greatest degradation
- Condition of seal to barrier interface

10.0 DATA SYSTEMS

During the seismic pressure test, the any data systems connected to the test apparatus shall be controlled and monitored by the testing laboratory. Data recorded for these components shall be compiled and contained in the final seismic pressure test report.

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11.0 TEST REPORT

The testing laboratory shall submit a report on the results of the test. The test report shall contain the collected data and required quality control documentation. The final test report shall be prepared in sufficient detail to summarize the total testing activity. The final report shall include as a minimum:

- Date of test
- Location of test
- Description of test apparatus and test articles
- Calibration documentation for all data systems connected to the test apparatus
- Test procedures used
- Acceptance criteria
- Provide quality control records
- Color digital photographs of the test project

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12.0 REFERENCES

References identified with an (*) are maintained within the MOX Records System and are not retrievable from AREVA Records Management. These are acceptable references per AREVA Administrative Procedure 0402-01, Attachment 8. See page 2 for Project Manager Approval of customer references.

12.1 *Shaw AREVA MOX Services Calculation DCS01-ZEQ-EQ-CAL-M-10118-0, *"Penetration Seal Seismic Requirements"*

12.2 *Shaw AREVA MOX Services Procedure PP9-1, Revision 14, *"SSC Quality Levels & Marking Design Documents"*

12.3 AREVA NP Inc. Procedure 1702-25, Revision 018, *"Assignment of Nuclear Safety Classification to Products and Services"*

12.4 AREVA NP Inc. Document 56-9141754-001, *"AREVA NP Inc. Quality Assurance Program"*

12.5 AREVA NP Inc. Document 01-9198306, latest revision, *"Installation Instruction Manual for MOX Penetration Seal Test Program"*

12.6 AREVA NP Inc. Document 51-9215844, latest revision, *"Detailed Test Plan for Conducting MOX Pressure Test 11"*

12.7 *Shaw AREVA MOX Services Drawing DCS01-BMF-DS-PLF-A-04509, Sheets 1-3, Revision 3

12.8 *Shaw AREVA MOX Services Drawing DCS01-BMF-DS-PLS-B-01692, Revision 0

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AREVA

Document No.: 51-9217475-000

Detailed Test Plan for Conducting MOX Seismic Pressure Test 9

APPENDIX A: TEST DECK/TEST SLAB DRAWINGS

It is anticipated that the slab with the silicone elastomer seal material used for Pressure Test 11 will not be damaged during Pressure Test 11 and will be available for reuse in this seismic pressure test. For the purpose of Seismic Pressure Test 9, no changes will be made to the seal assemblies installed for Pressure Test 11. For test slab drawings see Pressure Test 11 drawings in Appendix A of Document 51-9215844, *"Detailed Test Plan for Conducting MOX Pressure Test 11"* [Reference 12.6].

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APPENDIX B: TEST PENETRATION DRAWINGS

It is anticipated that the slab with the silicone elastomer seal material and penetrants used for Pressure Test 11 will not be damaged during Pressure Test 11 and will be available for reuse in this seismic pressure test. For the purpose of Seismic Pressure Test 9, no changes will be made to the seal assemblies installed for Pressure Test 11. For penetration drawings see Pressure Test 11 drawings in Appendix B of Document 51-9215844, "*Detailed Test Plan for Conducting MOX Pressure Test 11*" [Reference 12.6].

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Document No.: 51-9217475-000

Detailed Test Plan for Conducting MOX Seismic Pressure Test 9

APPENDIX C: BILL OF MATERIALS

This appendix contains the Bill of Materials for this seismic pressure test. The Bill of Materials in Section C.1 identifies materials to be provided by AREVA. The Bill of Materials in Section C.2 identifies materials to be provided by MOX Services. The Bill of Materials in Section C.3 identifies materials to be provided by Intertek.

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Document No.: 51-9217475-000

Detailed Test Plan for Conducting MOX Seismic Pressure Test 9

C.1 Table Bill of Materials for AREVA Supplied Items

Bill of Material for AREVA Supplied Items					
Item	**Description**	**Part Number**	**Quantity**	**Units**	**Total**
	None*				

None* - Assuming a successful Pressure Test 11, the seal will already be in place, no additional materials will be necessary.

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Document No.: 51-9217475-000

Detailed Test Plan for Conducting MOX Seismic Pressure Test 9

C.2 Bill of Materials for MOX Services Supplied Items

Bill of Material for MOX Services Supplied Items					
Item	**Description**	**Part Number**	**Quantity**	**Units**	**Total**
	None*				

None* - Assuming a successful Pressure Test 11, the seals will already be in place, no additional materials will be necessary.

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AREVA

Document No.: 51-9217475-000

Detailed Test Plan for Conducting MOX Seismic Pressure Test 9

C.3 Bill of Materials for Intertek Supplied Items

Bill of Material for Intertek Supplied Items**					
Item	**Description**	**Part Number**	**Quantity**	**Units**	**Total**
	None*				

None* - Assuming a successful Pressure Test 11, the seals will already be in place, no additional materials will be necessary

** *This BOM applies to Intertek Supplied Items other than materials required to construct the test slab. Construction of the test slab, including procurement of any materials required for the test slab, is the responsibility of Intertek.*

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Document No.: 51-9217475-000

Detailed Test Plan for Conducting MOX Seismic Pressure Test 9

APPENDIX D: DESIGN VERIFICATION CHECKLIST

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AREVA

DESIGN VERIFICATION CHECKLIST

Document Identifier 51 - 9217475 - 000

Title Detailed Test Plan for Conducting Seismic Pressure Test 9

1.	Were the inputs correctly selected and incorporated into design or analysis?	☒ Y	☐ N	☐ N/A
2.	Are assumptions necessary to perform the design or analysis activity adequately described and reasonable? Where necessary, are the assumptions identified for subsequent re-verifications when the detailed design activities are completed? Note: If there are no assumptions (of any type), then N/A shall be checked.	☐ Y	☐ N	☒ N/A
3.	Are the appropriate quality and quality assurance requirements specified? Or, for documents prepared per AREVA NP Inc. procedures, have the procedural requirements been met?	☒ Y	☐ N	☐ N/A
4.	If the design or analysis cites or is required to cite requirements or criteria based upon applicable codes, standards, specific regulatory requirements, including issue and addenda, are these properly identified, and are the requirements/criteria for design or analysis met?	☒ Y	☐ N	☐ N/A
5.	Have applicable construction and operating experience been considered?	☒ Y	☐ N	☐ N/A
6.	Have the design interface requirements been satisfied?	☒ Y	☐ N	☐ N/A
7.	Was an appropriate design or analytical method used?	☒ Y	☐ N	☐ N/A
8.	Is the output reasonable compared to inputs?	☒ Y	☐ N	☐ N/A
9.	Are the specified parts, equipment and processes suitable for the required application?	☒ Y	☐ N	☐ N/A
10.	Are the specified materials compatible with each other and the design environmental conditions to which the material will be exposed?	☒ Y	☐ N	☐ N/A
11.	Have adequate maintenance features and requirements been specified?	☐ Y	☐ N	☒ N/A
12.	Are accessibility and other design provisions adequate for performance of needed maintenance and repair?	☐ Y	☐ N	☒ N/A
13.	Has adequate accessibility been provided to perform the in-service inspection expected to be required during the plant life?	☐ Y	☐ N	☒ N/A
14.	Has the design properly considered radiation exposure to the public and plant personnel?	☐ Y	☐ N	☒ N/A
15.	Are the acceptance criteria incorporated in the design documents sufficient to allow verification that design requirements have been satisfactorily accomplished?	☒ Y	☐ N	☐ N/A
16.	Have adequate preoperational and subsequent periodic test requirements been appropriately specified?	☐ Y	☐ N	☒ N/A
17.	Are adequate handling, storage, cleaning and shipping requirements specified?	☒ Y	☐ N	☐ N/A
18.	Are adequate identification requirements specified?	☒ Y	☐ N	☐ N/A
19.	Is the document prepared and being released under the AREVA NP Inc. Quality Assurance Program? If not, are requirements for record preparation review, approval, retention, etc., adequately specified?	☒ Y	☐ N	☐ N/A

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Document No.: 51-9217475-000

Detailed Test Plan for Conducting MOX Seismic Pressure Test 9

22410-8 (02/25/2013) *Page 2 of 2*

AREVA

DESIGN VERIFICATION CHECKLIST

Document Identifier 51 - 9217475 - 000

Comments on the preceding responses:

Verified By: (First, MI, Last)	Derrick V Risner (Printed / Typed Name)	[redacted] (Signature)	1/22/2014 (Date)

APPENDIX E
Commercial Grade Dedication-Related Documents

The vast majority of penetration seals that will be installed throughout the MFFF will be designated as quality level QL-1. For this reason, permanent penetration seal materials used in this test program were procured by AREVA or supplied by MOX Services and suitably base-lined so that future procurements of the same commercial materials can undergo the Commercial Grade Dedication process in support Nuclear Safety Related (i.e., MOX QL-1) plant installations.

Only the primary seal material(s) that were specified as a part of the final penetration seal design and left in place during the test needed to be base-lined for future dedication of similarly procured materials. For this test, the following AREVA documents contain information associated with materials that underwent the base-lining process. These documents establish material critical characteristics as a baseline for future Commercial Grade Dedication.

- AREVA Document 51-9212659-000, "Dow Corning Sylgard 170 Silicone Elastomer Critical Characteristics"
- AREVA Document 51-9212663-000, "Quantum Silicones QSil 5558MC Silicone Elastomer Critical Characteristics"
- AREVA Document 51-9212668-000, "Dow Corning 790 Silicone Building Sealant Critical Characteristics"

These documents are available from the AREVA Records Management System or the MOX Records Management System.

Note: Even though the DC-790 material used in Pressure Test 11 was only intended as a construction aid to reduce the chance of leakage occurring through the Structo-Crete to concrete interfaces, the DC-790 material used in this test was conservatively included in the MOX Penetration Seal Test Program's material baseline process.

The Structo-Crete (procured by Intertek) used in this test was not base-lined by AREVA because MOX Services is responsible for determining critical characteristics of Structo-Crete, as well as, any associated Commercial Grade Dedication of similar components.

APPENDIX F
Quality Documents

The test assembly used in Seismic Pressure Test 9 was the same assembly tested in Pressure Test 11. For Quality Records of installation, Certificates of Conformance of the sealant materials, and QA Receiving Documents of the penetration materials for this, assembly, please see the Appendices in Intertek Report No. 101276459SAT-019, (Pressure Test 11) [AREVA document 58-9224202-000].

LIST OF CALIBRATED EQUIPMENT

Description	Serial No.	Calibration Due Date
Thermo-Hygrometer	130548237	9/19/2015
Data Acquisition System	18041FE	8/11/2014
Pressure Transducer	406707	1/30/2015
Mass Flowmeter	4270050001001	1/30/2015
Mass Flowmeter	4270050003001	1/30/2015
Stop watch	122601005	10/23/2014

Build B
Horizontal

Calibration complies with ISO/IEC 17025, ANSI/NCSL Z540-1, and 9001

Cert. No.: 4096-5373559

Calibration Certificate No. 1750.01

Traceable® Certificate of Calibration for Digital Humidity/Temp. Meter

Manufactured for and distributed by: Fisher Scientific, 300 Industry Drive, Pittsburgh, PA 15275-1001

Instrument Identification:

Model Numbers: 11-661-13, FB61254, 245C5 S/N: 130548237 Manufacturer: Control Company

Standards/Equipment:

Description	Serial Number	Due Date	NIST Traceable Reference
Chilled Mirror Hygrometer	31874/H2048MCR	6/14/15	11081
Digital Thermometer	41334977/41335007	9/26/13	4000-4643062

Certificate Information:

Technician: 104 Procedure: CAL-17 Cal Date: 9/19/13 **Cal Due: 9/19/15**

Test Conditions: 23.0°C 51.0 %RH 1013 mBar

Calibration Data: (New Instrument)

Unit(s)	Nominal	As Found	In Tol	Nominal	As Left	In Tol	Min	Max	±U	TUR
%RH		N.A.		42.95	42	Y	39	47	1.30	3.1:1
°C		N.A.		24.218	24	Y	23	25	0.590	1.7:1

This instrument was calibrated in compliance with ISO/IEC 17025:2005 and ANSI/NCSL Z540-1-1994 Part 1.

A Test Uncertainty Ratio of at least 4:1 is maintained unless otherwise stated and is calculated using the expanded measurement uncertainty. Uncertainty evaluation includes the instrument under test and is calculated in accordance with the ISO "Guide to the Expression of Uncertainty in Measurement" (GUM). The uncertainty represents an expanded uncertainty using a coverage factor k=2 to approximate a 95% confidence level. In tolerance conditions are based on test results falling within specified limits with no reduction by the uncertainty of the measurement. The results contained herein relate only to the item calibrated. This certificate shall not be reproduced except in full, without written approval of Control Company.

The calibration results published in this certificate were obtained using equipment capable of producing results that are traceable to NIST and through NIST to the International System of Units (SI).

Nominal=Standard's Reading; As Left=Instrument's Reading; In Tol=In Tolerance; Min/Max=Acceptance Range; ±U=Expanded Measurement Uncertainty; TUR=Test Uncertainty Ratio; Accuracy=±(Max-Min)/2; Min = As Left Nominal(Rounded) - Tolerance; Max = As Left Nominal(Rounded) + Tolerance; Date=MM/DD/YY

[redacted]
Nicol Rodriguez, Quality Manager

[redacted]
Aaron Judice, Technical Manager

Maintaining Accuracy:

In our opinion once calibrated your Digital Humidity/Temp. Meter should maintain its accuracy. There is no exact way to determine how long calibration will be maintained. Digital Humidity/Temp. Meters change little, if any at all, but can be affected by aging, temperature, shock, and contamination.

Recalibration:

This device was calibrated using a single test point. Should additional test points be required, please contact Control Company for factory calibration and re-certification traceable to National Institute of Standards and Technology.

CONTROL COMPANY 4455 Rex Road Friendswood, TX 77546 USA
Phone 281 482-1714 Fax 281 482-9448 service@control3.com www.control3.com

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International Laboratory Accreditation Cooperation (ILAC) - Multilateral Recognition Arrangement (MRA).

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Intertek

16015 Shady Falls Road
Elmendorf, TX 78112
210-635-8100 210-635-8101 fax

Certificate of Verification

Verification Date:	02/11/2014
Re-verification Date:	08/11/2014
Manufacturer:	National Insturments
Model No.:	USB-6210 (Only use 3 channels)
Serial No.:	18041FE
Equipment Description:	Data Acquisition System
Calibration Sources:	Ronan SN: 11380 due 4/6/2014
Performance:	See the attached sheet

Verification Performed By:

[redacted]

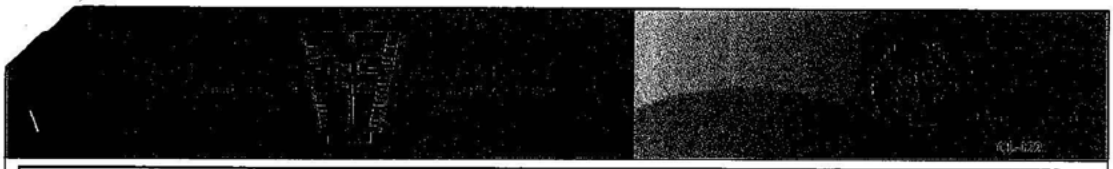
Mike Dey
Staff Engineer

Verification Approved By:

[redacted]

Jeff Patterson
Test Engineer

This Data Acquisition System was verified following the Draft "Work Instruction for Verifying Yokogawa Darwin Data Acquisition Systems" dated 8/28/2013

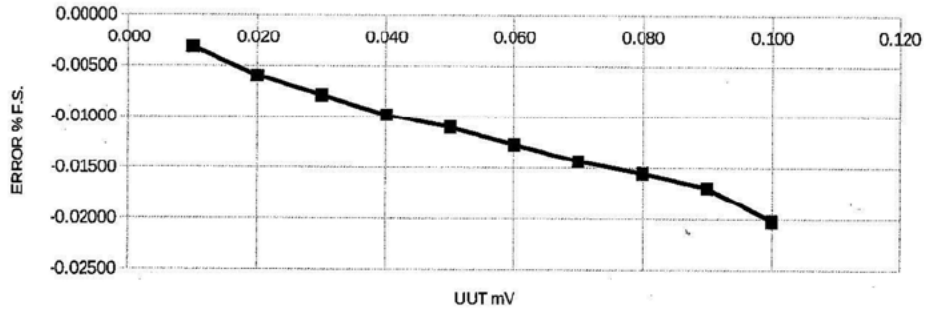


CERTIFICATE OF CALIBRATION

CUSTOMER:	**INTERTEK** ELMENDORF TX	**CALIBRATION DATE:**	01/30/14
PO NUMBER:	REF.# 01292014	**CALIBRATION DUE:**	01/30/15
INST. MANUFACTURER:	OMEGADYNE	**PROCEDURE:**	NAVAIR17-20MG-20
INST. DESCRIPTION:	PRESSURE TRANSDUCER	**CALIBRATION FLUID:**	70 F
MODEL NUMBER:	PX409-005DWUV	**STANDARD(S) USED:**	A49A, A24, A321 DUE 8-14
SERIAL NUMBER:	406707	**NIST TRACE #' S:**	1361269184, 1360575741, 1360586185, 123G086968
RATED UNCERTAINTY:	+/- 0.05 % FS	**AMBIENT CONDITIONS:**	759 mm HGA 55 % RH 70 F
UNCERTAINTY GIVEN:	FLOW measurement uncertainty: +/- .011 % F.S. K=2	**CERTIFICATE FILE #:**	456353.14

NOTES: AS RECEIVED/ AS LEFT WITHIN SPECS. NO ADJUSTMENTS MADE . REFERENCE CONDITIONS ARE: 760 mm HGA 70 F

TEST POINT NUMBER	UUT INDICATED mV OUT	DM.STD. ACTUAL PSID	ERROR % F.S.	
1	0.010	0.49984	-0.00318	
2	0.020	0.99970	-0.00602	
3	0.030	1.49960	-0.00792	
4	0.040	1.99951	-0.00984	
5	0.050	2.49945	-0.01105	
6	0.060	2.99936	-0.01272	
7	0.070	3.49928	-0.01435	
8	0.080	3.99922	-0.01552	
9	0.090	4.49915	-0.01692	
10	0.100	4.99899	-0.02020	



All instruments used in the performance of the shown calibration have traceability to the National Institute of Standards and Technology (NIST). The uncertainty ratio between the calibration standards (DM.STD.) used and the unit under test (UUT) is a minimum of 4:1, unless otherwise noted. Calibration has been performed per the shown procedure number, in accordance with ISO 10012:2003, ISO 17025:2005, ANSI/NCSL-Z-540.3, and/or MIL-STD-45662A. Test methods: API2530-92 & ASME MFC-3M-1989.

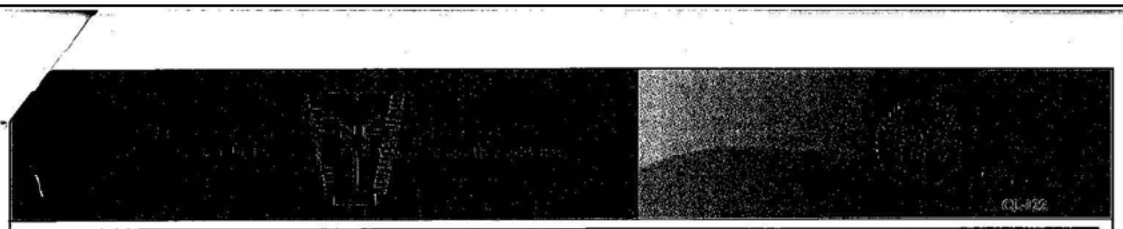
Dick Munns Company • 10572 Calle Lee #138 • Los Alamitos, CA 90720
[redacted] • Fax (714) 827-0823

This Calibration Certificate sh[redacted]YANY. The data shown applies only to the instrument being calibrated and under the stated conditions of calibration.

Date: 1/30/2014

Calibration Technician: [redacted]

Page 1 of 1

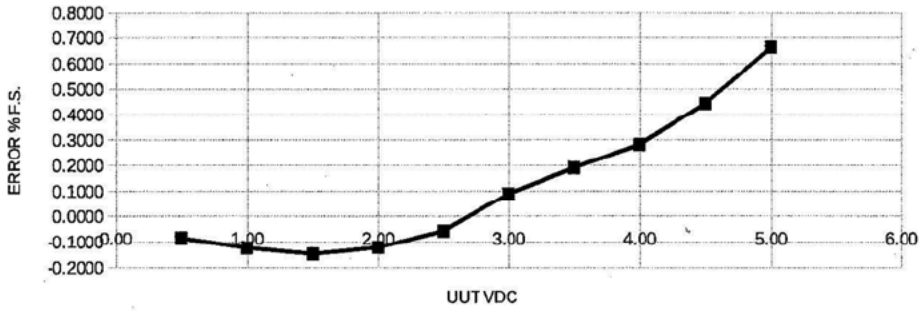


CERTIFICATE OF CALIBRATION

CUSTOMER:	**INTERTEK** ELMENDORF TX	**CALIBRATION DATE:**	01/30/14
PO NUMBER:	REF.# 01292014	**CALIBRATION DUE:**	01/30/15
INST. MANUFACTURER:	OMEGA	**PROCEDURE:**	NAVAIR17-20MG-20
INST. DESCRIPTION:	MASS FLOWMETER	**CALIBRATION FLUID:**	GN2 @ 70 F
MODEL NUMBER:	FMA-872A-V-NIST	**STANDARD(S) USED:**	A1-A4, A24, A321 DUE 8-14
SERIAL NUMBER:	4270050001001	**NIST TRACE #' S:**	1361269184, 1360578741, 1360586185
RATED UNCERTAINTY:	+/- 1 % FS	**AMBIENT CONDITIONS:**	759 mm HGA 55 % RH 70 F
UNCERTAINTY GIVEN:	FLOW measurement uncertainty: +/- .204 % F.S. K=2	**CERTIFICATE FILE #:**	456355.14

NOTES: AS RECEIVED/ AS LEFT WITHIN SPECS. NO ADJUSTMENTS MADE . REFERENCE CONDITIONS ARE: 760 mm HGA 70 F

TEST POINT NUMBER	UUT INDICATED VDC OUT	DM.STD. ACTUAL SLPM	ERROR % F.S.	
1	0.50	1.983	-0.0855	
2	1.00	3.975	-0.1231	
3	1.50	5.971	-0.1460	
4	2.00	7.976	-0.1217	
5	2.50	9.988	-0.0579	
6	3.00	12.018	0.0889	
7	3.50	14.038	0.1908	
8	4.00	16.056	0.2817	
9	4.50	18.089	0.4444	
10	5.00	20.133	0.6634	



All instruments used in the performance of the shown calibration have traceability to the National Institute of Standards and Technology (NIST). The uncertainty ratio between the calibration standards (DM.STD.) used and the unit under test (UUT) is a minimum of 4:1, unless otherwise noted. Calibration has been performed per the shown procedure number, in accordance with ISO 10012:2003, ISO 17025:2005, ANSI/NCSL-Z-540.3, and/or MIL-STD-45662A. Test methods: API2530-92 & ASME MFC-3M-1989.

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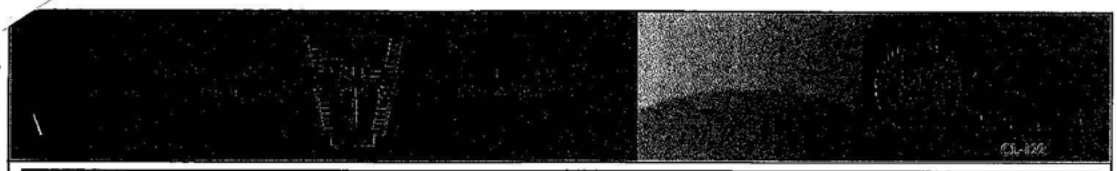
[redacted]15 • Fax (714) 827-0823

This Calibration Certificate sh[redacted]PANY. The data shown applies only to the instrument being calibrated and under the stated conditions of calibration.

Date: 1/30/2014

Calibration Technician: [redacted]

Page 1 of 1

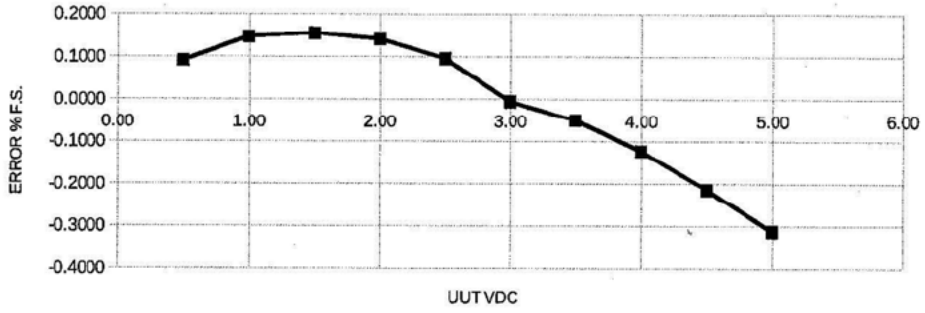


CERTIFICATE OF CALIBRATION

CUSTOMER:	**INTERTEK** ELMENDORF TX	**CALIBRATION DATE:**	01/30/14
PO NUMBER:	REF.# 01292014	**CALIBRATION DUE:**	01/30/15
INST. MANUFACTURER:	OMEGA	**PROCEDURE:**	NAVAIR17-20MG-20
INST. DESCRIPTION:	MASS FLOWMETER	**CALIBRATION FLUID:**	GN2 @ 70 F
MODEL NUMBER:	FMA-875A-V-NIST	**STANDARD(S) USED:**	A1-A4, A24, A321 DUE 8-14
SERIAL NUMBER:	4270050003001	**NIST TRACE #' S:**	1361269184, 1360578741, 1360586185
RATED UNCERTAINTY:	+/- 1 % FS	**AMBIENT CONDITIONS:**	759 mm HGA 55 % RH 70 F
UNCERTAINTY GIVEN:	FLOW measurement uncertainty: +/- .204 % F.S. K=2	**CERTIFICATE FILE #:**	456354.14

NOTES: AS RECEIVED/ AS LEFT WITHIN SPECS. NO ADJUSTMENTS MADE . REFERENCE CONDITIONS ARE: 760 mm HGA 70 F

TEST POINT NUMBER	UUT INDICATED VDC OUT	DM.STD. ACTUAL SLPM	ERROR % F.S.	
1	0.50	20.183	0.0913	
2	1.00	40.294	0.1471	
3	1.50	60.311	0.1553	
4	2.00	80.282	0.1411	
5	2.50	100.191	0.0957	
6	3.00	119.988	-0.0059	
7	3.50	139.899	-0.0505	
8	4.00	159.754	-0.1230	
9	4.50	179.573	-0.2138	
10	5.00	199.373	-0.3133	



All instruments used in the performance of the shown calibration have traceability to the National Institute of Standards and Technology (NIST). The uncertainty ratio between the calibration standards (DM.STD.) used and the unit under test (UUT) is a minimum of 4:1, unless otherwise noted. Calibration has been performed per the shown procedure number, in accordance with ISO 10012:2003, ISO 17025:2005, ANSI/NCSL-Z-540.3, and/or MIL-STD-45662A. Test methods: API2530-92 & ASME MFC-3M-1989.

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• Fax (714) 827-0823

This Calibration Certificate shall [redacted] Y. The data shown applies only to the instrument being calibrated and under the stated conditions of calibration.

Date: 1/30/2014

[redacted] alibration Technician:

Page 1 of 1

Mike Boy 5/15/13

ilac-MRA ACCREDITED Calibration Certificate No. 1750.01

Calibration complies with ISO 9001 ISO/IEC 17025 AND ANSI/NCSL Z540-1

Cert. No.: 1042-4689088

Traceable® Certificate of Calibration for Waterproof Stopwatch

Manufactured for and distributed by: Fisher Scientific, 300 Industry Drive, Pittsburgh, PA 15275-1001

Instrument Identification:

Model Numbers: 0666256, FB70240 S/N: 122601005 Manufacturer: Control Company

Standards/Equipment:

Description	Serial Number	Due Date	NIST Traceable Reference
Non-contact Frequency Counter	26.6 2025	3/06/13	1000313632

Certificate Information:

Technician: 67 Procedure: CAL-01 Cal Date: 10/23/12 **Cal Due: 10/23/14**

Test Conditions: 22.5°C 45.0 %RH 1015 mBar

Calibration Data: (New Instrument)

Unit(s)	Nominal	As Found	In Tol	Nominal	As Left	In Tol	Min	Max	±U	TUR
Sec/24hr		N.A.		0.000	-0.600	Y	-8.640	8.640	0.130	>4:1

This Instrument was calibrated using Instruments Traceable to National Institute of Standards and Technology.

A Test Uncertainty Ratio of at least 4:1 is maintained unless otherwise stated and is calculated using the expanded measurement uncertainty. Uncertainty evaluation includes the instrument under test and is calculated in accordance with the ISO "Guide to the Expression of Uncertainty in Measurement" (GUM). The uncertainty represents an expanded uncertainty using a coverage factor k=2 to approximate a 95% confidence level. In tolerance conditions are based on test results falling within specified limits with no reduction by the uncertainty of the measurement. The results contained herein relate only to the item calibrated. This certificate shall not be reproduced except in full, without written approval of Control Company.

Nominal=Standard's Reading; As Left=Instrument's Reading; In Tol=In Tolerance; Min/Max=Acceptance Range; ±U=Expanded Measurement Uncertainty; TUR=Test Uncertainty Ratio; Accuracy=±(Max-Min)/2; Min = Nominal(Rounded) - Tolerance; Max = Nominal(Rounded) + Tolerance; Date=MM/DD/YY

[redacted]
Nicol Rodriguez, Quality Manager

[redacted]
Wallace Berry, Technical Manager

Maintaining Accuracy:

In our opinion once calibrated your Waterproof Stopwatch should maintain its accuracy. There is no exact way to determine how long calibration will be maintained. Waterproof Stopwatchs change little, if any at all, but can be affected by aging, temperature, shock, and contamination.

Recalibration:

For factory calibration and re-certification traceable to National Institute of Standards and Technology contact Control Company.

CONTROL COMPANY 4455 Rex Road Friendswood, TX 77546 USA
Phone 281 482-1714 Fax 281 482-9448 service@control3.com www.control3.com

Control Company is an ISO 17025:2005 Calibration Laboratory Accredited by (A2LA) American Association for Laboratory Accreditation, Certificate No. 1750.01.
Control Company is ISO 9001:2008 Quality Certified by (DNV) Det Norske Veritas, Certificate No. CERT-01805-2006-AQ-HOU-ANAB.
International Laboratory Accreditation Cooperation (ILAC) - Multilateral Recognition Arrangement (MRA).

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TEST ARTICLE ATTRIBUTE CHECKLIST

PROJECT NO: G101276459SAT-023 **CLIENT :** AREVA

Project Description SEISMIC PRESSURE #9

	SAT	UNSAT

I. ASSEMBLY

Proper materials used .....
Material documentation complete.....
Configuration/dimensions in accordance w/ approved drawings....
Description of assembly: MOX AREVA PRESSURE #9

[redacted]

II. ELECTRICAL CABLE

Correct material used .....
Material documentation complete .....
Correct cable lay-in and fill requirements .....
Description of electrical cable:

N/A

III. THERMOCOUPLES

Correct thermocouple type, certs received .....
Thermocouples positioned in accordance with test plan .....
Adequately labeled and secured .....
Quality Assurance verification done .....
Description of thermocouples:

N/A

IV. FIRE BARRIER

Name or type of material QSIL + STRUCTOCRETE
INTERTEK received material documentation provided by Client.....
Materials provided by INTERTEK properly documented .....
Materials installed by INTERTEK in accordance with test plan .....
INTERTEK Quality Assurance responsibilities determined .....
QA responsibilities of Client installation determined .....
Moisture check required ..... Yes ___ No X
Special requirements

[redacted]

V. FINAL PREBURN VERIFICATION

Final visual inspection & approval (initials) INTERTEK [redacted] Client [redacted]

CALIBRATION DOCUMENTATION (S/N and calibration due date)
Data Acquisition Equipment:
Other Measurement Devices: SEE TEST DATA PACKAGE

Temperature 55 Humidity 41 Date 2-12-14 Time of Test start 2:11 P

INTERTEK pre-burn checklist performed by [redacted]

Client representative present to witness test [redacted]

Note: Verification to be made using initials by INTERTEK Quality Assurance or test personnel.

09-013-12/30/03

Intertek

TEST ACTIVITIES EVENT LOG

Note:
This Log is used to document the date and note the significant events during the completion of Test Project #G101276459SAT-023 for AREVA NP, Inc.

Page 1 of 1

ITEM	DATE	INIT'L
Concrete poured by Alamo Concrete	1/10/14	MD
Concrete conditioned	1/13/14	MD
Critical attributes of test slab verified	1/29/14	MD
Completed seal assemblies verified against the test plan	2/10/14	MD
Pressure Test #11 conducted	2/12/14	MD
Seismic Test #9 conducted using the same assembly	2/12/14	MD

9/12 NQAP-007.7.3

Certificate of Conformance

Client Name: AREVA NP Inc. Date: September 4, 2014

Project No: G101276459SAT-023

Intertek Testing Services NA (Intertek) has conducted testing for AREVA NP Inc., on the seismic pressure resistance capabilities of Dow Corning® Sylgard 170 Silicone Elastomer, (DC-170), Quantum Silicones QSil 5558MC Silicone Elastomer (QSil 5558MC) and Dow Corning® 790 Silicone Building Sealant (DC-790) through a 12" thick concrete deck for compliance with the applicable requirements of and in accordance with AREVA NP Inc. Document No. 51-9217475-000, *Detailed Test Plan for Conducting MOX Seismic Pressure Test 9*. This test took place on February 12, 2014.

The materials, processes), and deliverable(s) in this project were managed under and conform to the test laboratory's 10CFR50 Appendix B Quality Assurance Program.

[redacted]

Michael A Brown
Quality Supervisor

September 4, 2014
Date

Intertek Testing Laboratory
16015 Shady Falls Road, Elmendorf TX 78112
210-635-8100

Quality Assurance Statement

Intertek is devoted to engineering, inspection, quality assurance and testing of building materials, products and assemblies. Intertek has developed and implemented a Quality Assurance Program designed to provide its clients with a planned procedure of order and document processing for inspection and testing services it provides to assure conformity to requirements, codes, standards and specifications. The Program is designed to meet the intent of ANSI 45.2 Quality Assurance Program Requirements for Nuclear Power Plants, and complies with the requirements of the ASME Code, SPPE, Military Standards and other less stringent programs. It is the Laboratory's intention to adhere strictly to this Program, to assure that the services offered to its clients remains of the highest quality and accuracy possible.

All QA Surveillance documents remain on file at the Laboratory, and are available for inspection by authorized personnel in the performance of an on-site QA Audit. All materials, services and supplies used herein were obtained with appropriate QA Certifications of Compliance.

REVISION SUMMARY

DATE	SUMMARY
September 4, 2014	Original Issue Date