



THE RIPTIDE FLOW TESTING SYSTEM™



PSI	1.125"	1.75"	2.5"	PSI	1.125"	1.75"	2.5"	PSI	1.125"	1.75"	2.5"
1	-	-	-	51	178.8	456.2	882.0	101	251.6	642.0	1241.1
2	-	-	-	52	180.5	460.7	890.6	102	252.8	645.2	1247.3
3	-	-	-	53	182.2	465.1	899.1	103	254.1	648.3	1253.4
4	-	-	-	54	184.0	469.4	907.5	104	255.3	651.5	1259.4
5	-	-	-	55	185.7	473.8	915.9	105	256.5	654.6	1265.5
6	-	-	-	56	187.3	478.1	924.2	106	257.7	657.7	1271.5
7	-	-	-	57	189.0	482.3	932.4	107	259.0	660.8	1277.5
8	-	-	-	58	190.7	486.5	940.5	108	260.2	663.9	1283.4
9	-	-	-	59	192.3	490.7	948.6	109	261.4	667.0	1289.4
10	79.2	-	-	60	193.9	494.8	956.6	110	262.6	670.0	1295.3
11	83.0	-	-	61	195.5	498.9	964.6	111	263.7	673.0	1301.1
12	86.7	-	-	62	197.1	503.0	972.4	112	264.9	676.1	1307.0
13	90.3	-	-	63	198.7	507.1	980.2	113	266.1	679.1	1312.8
14	93.7	-	-	64	200.3	511.1	988.0	114	267.3	682.1	1318.6
15	97.0	-	-	65	201.8	515.0	995.7	115	268.5	685.1	1324.4
16	100.1	255.5	494.0	66	203.4	519.0	1003.3	116	269.6	688.0	-
17	103.2	263.4	509.2	67	204.9	522.9	1010.9	117	270.8	691.0	-
18	106.2	271.0	524.0	68	206.4	526.8	1018.4	118	271.9	693.9	-
19	109.1	278.5	538.3	69	207.9	530.6	1025.9	119	273.1	696.9	-
20	112.0	285.7	552.3	70	209.4	534.5	1033.3	120	274.2	699.8	-
21	114.7	292.7	565.9	71	210.9	538.3	1040.6	121	275.4	702.7	-
22	117.4	299.6	579.3	72	212.4	542.1	1047.9	122	276.5	705.6	-
23	120.1	306.4	592.3	73	213.9	545.8	1055.2	123	277.6	708.5	-
24	122.6	313.0	605.0	74	215.4	549.5	1062.4	124	278.8	711.4	-
25	125.2	319.4	617.5	75	216.8	553.2	1069.5	125	279.9	714.2	-
26	127.6	325.7	629.7	76	218.2	556.9	1076.6	126	281.0	717.1	-
27	130.1	331.9	641.7	77	219.7	560.6	1083.7	127	282.1	719.9	-
28	132.5	338.0	653.5	78	221.1	564.2	1090.7	128	283.2	722.7	-
29	134.8	344.0	665.1	79	222.5	567.8	1097.7	129	284.3	725.6	-
30	137.1	349.9	676.4	80	223.9	571.4	1104.6	130	285.4	728.4	-
31	139.4	355.7	687.6	81	225.3	574.9	1111.5	131	286.5	731.2	-
32	141.6	361.4	698.6	82	226.7	578.5	1118.3	132	287.6	734.0	-
33	143.8	367.0	709.4	83	228.1	582.0	1125.1	133	288.7	736.7	-
34	146.0	372.5	720.1	84	229.4	585.5	1131.9	134	289.8	739.5	-
35	148.1	377.9	730.6	85	230.8	589.0	1138.6	135	290.9	742.2	-
36	150.2	383.3	741.0	86	232.2	592.4	1145.3	136	291.9	745.0	-
37	152.3	388.6	751.2	87	233.5	595.9	1151.9	137	293.0	-	-
38	154.3	393.8	761.3	88	234.8	599.3	1158.5	138	294.1	-	-
39	156.3	398.9	771.2	89	236.2	602.7	1165.1	139	295.1	-	-
40	158.3	404.0	781.1	90	237.5	606.0	1171.6	140	296.2	-	-
41	160.3	409.0	790.8	91	238.8	609.4	1178.1	141	297.3	-	-
42	162.2	414.0	800.4	92	240.1	612.7	1184.6	142	298.3	-	-
43	164.2	418.9	809.8	93	241.4	616.1	1191.0	143	299.4	-	-
44	166.1	423.7	819.2	94	242.7	619.4	1197.4	144	300.4	-	-
45	167.9	428.5	828.5	95	244.0	622.6	1203.7	145	301.4	-	-
46	169.8	433.3	837.6	96	245.3	625.9	1210.0	146	-	-	-
47	171.6	438.0	846.7	97	246.6	629.2	1216.3	147	-	-	-
48	173.4	442.6	855.6	98	247.8	632.4	1222.6	148	-	-	-
49	175.2	447.2	864.5	99	249.1	635.6	1228.8	149	-	-	-
50	177.0	451.7	873.3	100	250.3	638.8	1235.0	150	-	-	-

All laboratory instrumentation used in the creation of this chart is ISO 17025 traceable.

Readings were found to be accurate to within +/-2%.

D (in)	AVERAGE C	FLOW RANGE
1.125"	0.6629	79.2 - 301.4
1.750"	0.6990	255.5 - 745.0
2.493"	0.6659	494.0 - 1324.4

$$Q = 29.84 \times C \times D^2 \times \sqrt{P}$$

1.125"

Refer to the data in this column when operating The Riptide™ with a 1.125" Reduced Orifice Insert.

1.75"

Refer to the data in this column when operating The Riptide™ with a 1.75" Reduced Orifice Insert.

2.50"

Refer to the data in this column when operating The Riptide™ without a Reduced Orifice Insert.

MULTI-STREAM OPERATION

Readings should be taken at each stream with each independent correlating GPM added together to determine the total volume flowing.

2.50" RIPTIDE PITOT



2.055"



FIRE PUMP FLOW TESTING EQUIPMENT UNIT EX29051 THE RIPTIDE FLOW TESTING SYSTEM

AS TO FLOW MEASUREMENT ACCURACY SPECIFIED BY THE MANUFACTURER WHEN INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTALLATION INSTRUCTIONS



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USE OF THIS PRODUCT IS AT YOUR OWN RISK





THE RIPTIDE FLOW TESTING SYSTEM™



PSI	3.25"	4"	PSI	3.25"	4"
1	-	-	51	1812.3	2481.7
2	-	-	52	1830.0	2505.9
3	-	-	53	1847.5	2529.9
4	-	-	54	1864.8	2553.7
5	-	-	55	1882.0	2577.2
6	-	-	56	1899.0	2600.5
7	-	-	57	1915.9	2623.6
8	-	-	58	1932.7	2646.6
9	-	-	59	1949.2	2669.3
10	-	-	60	1965.7	2691.8
11	841.7	1152.6	61	1982.0	2714.1
12	879.1	1203.8	62	1998.2	2736.3
13	915.0	1253.0	63	2014.2	2758.3
14	949.5	1300.3	64	2030.2	2780.1
15	982.8	1345.9	65	2046.0	2801.7
16	1015.1	1390.0	66	2061.6	2823.2
17	1046.3	1432.8	67	2077.2	2844.5
18	1076.7	1474.4	68	2092.6	2865.6
19	1106.2	1514.8	69	2108.0	2886.6
20	1134.9	1554.1	70	-	2907.5
21	1162.9	1592.5	71	-	2928.2
22	1190.3	1630.0	72	-	-
23	1217.0	1666.6	73	-	-
24	1243.2	1702.4	74	-	-
25	1268.8	1737.6	75	-	-
26	1294.0	1772.0	76	-	-
27	1318.6	1805.7	77	-	-
28	1342.8	1838.9	78	-	-
29	1366.6	1871.4	79	-	-
30	1390.0	1903.4	80	-	-
31	1412.9	1934.9	81	-	-
32	1435.5	1965.8	82	-	-
33	1457.8	1996.3	83	-	-
34	1479.7	2026.3	84	-	-
35	1501.3	2055.9	85	-	-
36	1522.6	2085.1	86	-	-
37	1543.6	2113.8	87	-	-
38	1564.3	2142.2	88	-	-
39	1584.8	2170.2	89	-	-
40	1605.0	2197.9	90	-	-
41	1624.9	2225.2	91	-	-
42	1644.6	2252.1	92	-	-
43	1664.1	2278.8	93	-	-
44	1683.3	2305.1	94	-	-
45	1702.3	2331.2	95	-	-
46	1721.1	2356.9	96	-	-
47	1739.8	2382.4	97	-	-
48	1758.2	2407.6	98	-	-
49	1776.4	2432.6	99	-	-
50	1794.4	2457.3	100	-	-

All laboratory instrumentation used in the creation of this chart is ISO 17025 traceable.

Readings were found to be accurate to within +/-2%.

D (in)	AVERAGE C	FLOW RANGE
3.250"	0.8051	841.7 - 2108.0
4.000"	0.7279	1152.6 - 2928.2

$$Q = 29.84 \times C \times D^2 \times \sqrt{P}$$

3.25"

Refer to the data in this column when operating The Riptide™ with a 3.25" Reduced Orifice Insert.

4"

Refer to the data in this column when operating The Riptide™ without a Reduced Orifice Insert.

MULTI-STREAM OPERATION

Readings should be taken at each stream with each independent correlating GPM added together to determine the total volume flowing.

4" RIPTIDE PITOT



2.915"



FIRE PUMP FLOW TESTING EQUIPMENT UNIT EX29051 THE RIPTIDE FLOW TESTING SYSTEM

AS TO FLOW MEASUREMENT ACCURACY SPECIFIED BY THE MANUFACTURER WHEN INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTALLATION INSTRUCTIONS



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