



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	221.6	538.4	-	101	311.9	-	-
2	43.9	-	-	52	223.8	543.6	-	102	313.4	-	-
3	53.8	130.6	-	53	225.9	548.8	-	103	315.0	-	-
4	62.1	150.8	-	54	228.1	554.0	-	104	316.5	-	-
5	69.4	168.6	-	55	230.2	559.1	-	105	318.0	-	-
6	76.0	184.7	-	56	232.2	564.1	-	106	319.5	-	-
7	82.1	199.5	-	57	234.3	569.1	-	107	321.0	-	-
8	87.8	213.2	-	58	236.4	574.1	-	108	322.5	-	-
9	93.1	226.2	-	59	238.4	579.0	-	109	324.0	-	-
10	98.1	238.4	-	60	240.4	583.9	-	110	325.5	-	-
11	102.9	250.0	-	61	242.4	588.8	-	111	327.0	-	-
11.3	104.2	253.7	500.0	62	244.4	593.6	-	112	328.4	-	-
12	107.5	261.1	515.2	63	246.3	598.4	-	113	329.9	-	-
13	111.9	271.8	536.3	64	248.3	603.1	-	114	331.4	-	-
14	116.1	282.1	556.5	65	250.2	607.8	-	115	332.8	-	-
15	120.2	292.0	576.0	66	252.1	612.4	-	116	334.3	-	-
16	124.1	301.5	594.9	67	254.0	617.1	-	117	335.7	-	-
17	128.0	310.8	613.2	68	255.9	621.6	-	118	337.1	-	-
18	131.7	319.8	631.0	69	257.8	626.2	-	119	338.6	-	-
19	135.3	328.6	648.3	70	259.7	630.7	-	120	340.0	-	-
20	138.8	337.1	665.2	71	261.5	635.2	-	121	341.4	-	-
21	142.2	345.5	681.6	72	263.3	639.7	-	122	342.8	-	-
22	145.6	353.6	697.6	73	265.2	644.1	-	123	344.2	-	-
23	148.8	361.5	713.3	74	267.0	648.5	-	124	345.6	-	-
24	152.0	369.3	728.6	75	268.8	652.9	-	125	347.0	-	-
25	155.2	376.9	743.7	76	270.6	657.2	-	126	348.4	-	-
26	158.3	384.4	758.4	77	272.3	661.5	-	127	349.8	-	-
27	161.3	391.7	772.8	78	274.1	665.8	-	128	351.1	-	-
28	164.2	398.9	787.0	79	275.8	670.0	-	129	352.5	-	-
29	167.1	406.0	801.0	80	277.6	674.3	-	130	353.9	-	-
30	170.0	412.9	814.6	81	279.3	678.5	-	131	355.2	-	-
31	172.8	419.7	828.1	82	281.0	682.6	-	132	356.6	-	-
32	175.6	426.4	841.4	83	282.7	686.8	-	133	357.9	-	-
33	178.3	433.1	854.4	84	284.4	690.9	-	134	359.3	-	-
34	181.0	439.6	867.3	85	286.1	695.0	-	135	360.6	-	-
35	183.6	446.0	879.9	86	287.8	699.1	-	136	361.9	-	-
36	186.2	452.3	892.4	87	289.5	703.1	-	137	363.3	-	-
37	188.8	458.6	904.7	88	291.1	707.2	-	138	-	-	-
38	191.3	464.7	916.9	89	292.8	711.2	-	139	-	-	-
39	193.8	470.8	928.8	90	294.4	715.2	-	140	-	-	-
40	196.3	476.8	940.7	91	296.1	719.1	-	141	-	-	-
41	198.7	492.7	952.4	92	297.7	723.1	-	142	-	-	-
42	201.1	488.6	963.9	93	299.3	727.0	-	143	-	-	-
43	203.5	494.3	975.3	94	300.9	730.9	-	144	-	-	-
44	205.9	500.1	986.6	95	302.5	734.8	-	145	-	-	-
45	208.2	505.7	997.7	96	304.1	738.6	-	146	-	-	-
46	210.5	511.3	1008.8	97	305.7	742.5	-	147	-	-	-
47	212.8	516.8	1019.7	98	307.2	746.3	-	148	-	-	-
48	215.0	522.3	-	99	308.8	750.1	-	149	-	-	-
49	217.2	527.7	-	100	310.4	-	-	150	-	-	-
50	219.5	533.1	-								

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

Readings were found to be accurate to within +/-1.75%.

D (in)	AVERAGE C	FLOW RANGE
1.125"	0.8218	43.9 - 363.3
1.750"	0.8249	130.6 - 750.1
2.493"	0.8020	500.0 - 1019.7

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

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 ALX PITOT



1.88"



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

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	4"	PSI	4"
1	-	51	-
2	-	52	-
3	-	53	-
4	-	54	-
5	910.8	55	-
6	997.7	56	-
7	1077.6	57	-
8	1152.0	58	-
9	1221.9	59	-
10	1288.0	60	-
11	1350.9	61	-
12	1410.9	62	-
13	1468.5	63	-
14	1524.0	64	-
15	1577.5	65	-
16	1629.2	66	-
17	1679.3	67	-
18	1728.0	68	-
19	1775.4	69	-
20	1821.5	70	-
21	1866.5	71	-
22	1910.4	72	-
23	1953.3	73	-
24	1995.3	74	-
25	2036.5	75	-
26	2076.8	76	-
27	2116.4	77	-
28	2155.2	78	-
29	2193.4	79	-
30	2230.9	80	-
31	2267.7	81	-
32	2304.0	82	-
33	2339.7	83	-
34	2374.9	84	-
35	2409.6	85	-
36	2443.8	86	-
37	2477.5	87	-
38	2510.7	88	-
39	2543.6	89	-
40	2576.0	90	-
41	2608.0	91	-
42	2639.6	92	-
43	2670.8	93	-
44	2701.7	94	-
45	-	95	-
46	-	96	-
47	-	97	-
48	-	98	-
49	-	99	-
50	-	100	-

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

Readings were found to be accurate to within +/-1.75%.

D (in)	AVERAGE C	FLOW RANGE
4.000"	0.8531	910.8 - 2701.7

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

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 ALX PITOT



2.744"



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

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



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