

BAILEY CLASS T PRESSURE REDUCING VALVE CAPACITY CHARTS

Air Capacity - l/s @ 15°C								
Inlet Pressure (Barg)	Outlet Pressure (Barg)	Rise to Dead End	15 mm	20 mm	25 mm	32 mm	40 mm	50 mm
0.70	0.35	0.35 Bar	8.3	16.3	25.0	53.2	76.1	124
1.00	0.65	0.35 Bar	8.4	16.6	25.6	53.3	76.2	124
	0.55	0.35 Bar	9.3	18.3	28.2	58.7	83.9	137
5.00	0.35	0.35 Bar	10.6	20.7	32.0	66.5	95.0	155
	4.64	0.35 Bar	11.7	22.4	35.7	62.7	89.8	151
	4.20	0.7 Bar	23.8	45.6	72.7	128	183	308
	4.00	1 Bar	34.0	65.2	104	183	262	441
	2.50	1 Bar	46.4	88.8	142	249	357	601
10.00	0.35	1 Bar	46.4	88.8	142	249	357	601
	9.65	0.35 Bar	16.9	32.1	51.8	85.6	123	209
	9.30	0.7 Bar	20.2	38.4	61.9	102	147	250
	9.00	1 Bar	44.5	84.6	136	226	323	551
	5.00	1 Bar	78.2	149	240	396	567	968
	4.50	1 Bar	78.2	149	240	396	567	968
20.70	0.50	1 Bar	78.2	149	240	396	567	968
	12.80	1 Bar	142	267	434	687	985	1699
	10.00	1 Bar	146	276	449	710	1017	1753
	5.00	1 Bar	146	276	449	710	1017	1753
30.00	4.50	1 Bar	146	276	449	710	1017	1753
	1.04	1 Bar	146	276	449	710	1017	1753
	12.80	1 Bar	205	387	631	983	1408	2435
40.00	3.00	1 Bar	205	387	631	983	1408	2435
	12.80	1 Bar	217	432	709	1110	1584	2709
	4.00	1 Bar	217	432	709	1110	1584	2709

Water Capacity - l/s							
Pressure Differential (Barg)	Rise to Dead End	15 mm	20 mm	25 mm	32 mm	40 mm	50 mm
1.00	1 Bar	0.98	1.28	1.90	2.60	3.22	4.87
2.00	1 Bar	1.32	1.72	2.56	3.51	4.34	6.53
3.00	1 Bar	1.51	1.98	2.94	4.02	4.99	7.50
4.00	1 Bar	1.61	2.11	3.15	4.29	5.31	7.98
5.00	1 Bar	1.71	2.24	3.32	4.54	5.63	8.47
6.00	1 Bar	1.78	2.32	3.45	4.73	5.86	8.80
7.00	1 Bar	1.85	2.41	3.59	4.91	6.08	9.14
8.00	1 Bar	1.92	2.50	3.72	5.09	6.31	9.47
9.00	1 Bar	1.98	2.59	3.85	5.27	6.53	9.82
10.00	1 Bar	2.05	2.68	3.99	5.46	6.76	10.16
15.00	1 Bar	2.12	2.77	4.12	5.64	6.98	10.50
20.00	1 Bar	2.19	2.86	4.25	5.82	7.21	10.84
25.00	1 Bar	2.26	2.95	4.38	6.00	7.43	11.18
30.00	1 Bar	2.33	3.04	4.52	6.18	7.66	11.51
35.00	1 Bar	2.40	3.13	4.65	6.37	7.88	11.85

Note: to achieve all the above flows, it is critical that the correct pipe sizes are used