



North American Control Valves Data on Leakage

Sheet 1000-3

The table below lists leak rates through various models and sizes of Adjustable Port Valves in the overlap closed position and Butterfly and Wafer Valves in the full closed position.

Wide variations in observed leak rates are due to machining tolerances and amount of lubricant (where used) on valve internals. Curtain position of Adjustable Port Valves does not affect leakage. Because leakage varies from one valve to another, exercise caution when using this data to determine leakage for valve sizes and pressure drops other than those shown.

Valve Designation and Pipe Size	Fluid	Pressure, osi	Leak Rate, cfh
1008A or 1010A-1 (1") 1008A or 1010A-3 (1½") 1008A or 1010A-7 (4") 1008A or 1010A-01 (½") 1008A or 1010A-01 (½")	nat'l gas nat'l gas nat'l gas nat'l gas comp. air	8 8 8 8 320 (20 psi)	6.5-14 19 less than 4 less than 4 less than 30
1004-3-B (1½")	air	20	140 past shaft only
1004-6-C (3")	air	28	405 past port only 90-115 past shaft only
1004-6-D (3")	air	27	145-475 past port only 20-25 past shaft only 370-900 past port only
1004-8-E (6")	air	20	10 past shaft only
1004-9-F (8")	air	20	1910 past port only 50 past shaft only 3520 past port only
1122 or 1124-4 (2")	air	24	25
1126-1 (1") 1126-3 (1½")	air air	24 24	160 334
1126-4 (2") 1126-7 (4")	air air	24 24 26	564-670 1125-1565 213-236
1136-7 (4")	air	24	645