



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