

GATE VALVES

ANSI Flange Size	Port Diameter	Molecular Conductance liter/sec.	Cylinder Capacity Liters	Approximate Close/Open Times @ 70 PS1
2 Inch	2.25 Inch	192	0.207	1.5/1.5 sec.
3 Inch	3.37 Inch	567	0.408	1.5/1.5 sec.
4 Inch	5.37 Inch	1,219	0.408	2/2 sec.
6 Inch	7.12 Inch	3,887	0.985	2/2 sec.
8 Inch	8 Inch	9,213	1.223	3/2 sec.
10 Inch	10 Inch	17,014	1.704	3/2 sec.
12 Inch	12 Inch	29,400	3.063	4/4 sec.
16 Inch	16 Inch	49,600	3.887	5/5 sec.
20 Inch	20 Inch	79,970	10.207	7/8 sec.
24 Inch	24 Inch	128,010	14.95	11/12 sec.
ISO Flange Size	Port Diameter	Molecular Conductance liter/sec.	Cylinder Capacity Liters	Approximate Close/Open Times @ 70 PS1
ISO 63	63 mm	192	0.207	1.5/1.5 sec.
ISO 100	100 mm	1,219	0.408	2/2 sec.
ISO 160	160 mm	3,887	0.985	2/2 sec.
ISO 200	200 mm	9,213	1.223	3/2 sec.
ISO 250	250 mm	17,014	1.740	3/2 sec.
ISO 320	320 mm	29,400	3.063	4/4 sec.
ISO 400	400 mm	49,600	3.90	6/7 sec.
ISO 500	500 mm	79,970	10.20	7/8 sec.
ISO 630	630 mm	128,010	14.95	11/12

ANGLE VALVES

ANSI Flange Size	Port Diameter	Molecular Conductance liter/sec.	Cylinder Capacity Liters	Approximate Close/Open Times @ 70 PS1
2 Inch	2 Inch	113	0.285	<1/<1 sec.
3 Inch	3 Inch	295	0.348	<1/<1 sec.
4 Inch	4 Inch	440	0.782	1/1 sec.
6 Inch	6 Inch	1,000	1.020	2/2 sec.
8 Inch	8 Inch	1,920	4,598	2/2 sec.
10 Inch	10 Inch	3,000	6.697	2/2 sec.
12 Inch	12 Inch	5,065	6.985	3/2 sec.
16 Inch	16 Inch	8,550	8.622	4/3 sec.
20 Inch	20 Inch	13,567	9.5	5/6 sec.
24 Inch	24 Inch	21,847	9.5	7/8 sec.
ISO Flange Size	Port Diameter	Molecular Conductance liter/sec.	Cylinder Capacity Liters	Approximate Close/Open Times @ 70 PS1
ISO 63	63 mm	160	0.285	<1/<1 sec.
ISO 100	100 mm	440	0.782	1/1 sec.
ISO 160	160 mm	1,000	1.020	2/2 sec.
ISO 200	200 mm	1,920	4.598	2/2 sec.
ISO 250	250 mm	3,000	6.697	2/2 sec.
ISO 320	320 mm	5,065	6.985	3/2 sec.
ISO 400	400 mm	8,550	8.622	4/4 sec.
ISO 500	500 mm	13,560	9.5	5/6 sec.
ISO 630	630 mm	21,847	12.5	8/9 sec.