

Product Overview | Butterfly Valves

Butterfly valves control and balance flow rates.
1122 Series Valves are not for tight shutoff.

1122 Butterfly Valves feature a knurled knob locking device that prevents accidental changing of valve setting. It is easily released, then relocked, if a new setting is desired. To discourage unauthorized tampering with the valve setting, the knob can be replaced with a socket head screw as the locking device. The socket head screw is conveniently supplied in the side of the knob (see picture to the right).

Valves can be used on gas as well as air. The locking device makes them advantageous as limiting orifice valves, often preferable to fixed orifices which are difficult to select in advance or change in the field.

Beveled discs minimize leakage through the valve in the closed position. Maximum pressure is 15 psig (1 bar), maximum temperature 400°F (204°C). For fluid temperatures up to 700°F* (371°C) an 1122- -H "Hi-Temp." model is available. Versions with metric end connections are available. They are designated with an "M" prefix. Minimum ambient temperature is -20°F.

Selection: 1122 valves should be sized such that the pressure drop across the valve is around 1/5 - 1/6 of the total system pressure drop.

Construction: Valve bodies are sturdy, thick-walled iron castings, short in length to facilitate piping. Threads or flanges are carefully machined to provide accurate alignment of valve throat with the piping. Valve shaft seals are FKM except the 1122- -H versions which are Grafoil®.

The 3", 4", and 6" valves are offered with either threaded or flanged connections. Flanged valves match ANSI 125 psi and are designated 1122- -F. **Use flat face companion flanges and full face gaskets when installing this equipment. Raised face flanges may damage the valve body.**

1122 Valves are designed to replace all versions of North American 1123, 1125, and 1127 Valves through 6" pipe size.

CAUTION: Use an approved ball, plug, needle, or other valve or cock for tight shutoff. 1122 Butterfly Valves are not intended nor designed for this function.



Imperial (Metric) Valve designation	pipe size	valve type	shaft	disc	cfh (m ³ /h) 70° open at 1" w.c. (2.5 mbar) pressure drop 70°F (21.1°C) 10" w.c. upstream pressure		Cv (Kv)	maximum pressure, psi (bar)
					air	natural gas		
1122-0 (M1122-0)	3/4"	threaded	303 SST	CRS	255 (7.2)	329 (9.3)	5.9 (5.1)	25 (1.7)
1122-1 (M1122-1)	1"	threaded	303 SST	CRS	680 (19.2)	878 (24.8)	15.6 (13.4)	25 (1.7)
1122-2 (M1122-2)	1 1/4"	threaded	303 SST	CRS	1 130 (32.0)	1 459 (41.3)	26 (22.4)	25 (1.7)
1122-3 (M1122-3)	1 1/2"	threaded	303 SST	CRS	1 450 (41.0)	1 872 (53.0)	33 (28.4)	25 (1.7)
1122-4 (M1122-4)	2"	threaded	303 SST	CRS	2 900 (82.1)	3 744 (106.0)	66 (56.8)	25 (1.7)
1122-5	2 1/2"	threaded	303 SST	CRS	4 570 (129.3)	5 900 (167.0)	105 (90.3)	15 (1)
1122-6	3"	threaded	303 SST	CRS	7 560 (214.0)	9 760 (276.2)	173 (148.8)	15 (1)
1122-7	4"	threaded	303 SST	CRS	15 200 (430.2)	19 623 (555.4)	348 (299.3)	15 (1)
1122-8	6"	threaded	303 SST	CRS	45 800 (1 296.3)	59 128 (1 673.5)	1050 (903)	15 (1)
1122-6-F (M1122-6-F)	3"	flanged	303 SST	CRS	7 560 (214.0)	9 760 (276.2)	173 (148.8)	15 (1)
1122-7-F (M1122-7-F)	4"	flanged	303 SST	CRS	15 200 (430.2)	19 623 (555.4)	348 (299.2)	15 (1)
1122-8-F (M1122-8-F)	6"	flanged	303 SST	CRS	45 800 (1 296.3)	59 128 (1 673.5)	1050 (903)	15 (1)