

Specifications | Butterfly Valves

STANDARD VALVES

(See also Bulletins 1122 [Manual], and 1154 [Resilient Seat Wafer])

1124 Motorized
1126 Motorized
1126 (H) Hot Air Motorized
1123 Manual

Standard butterfly valves have female pipe threads in ¾" through 6" pipe sizes; larger valves are flanged^①, as are 1126-F in 3", 4", and 6" sizes. Motorized valves can be ordered with bracket, motor arm, and linkage for standard control motor or actuator. 1123 Manual valves have a locking handle and are available in 8" to 16" sizes. 1122 manual valves have a locking handle and are available in ¾" to 6" sizes.

1126 and 1123 Valves have a swing-through disc. 1122 manual valves and 1124 motorized valves have a beveled disc for reduced leakage; spring-loaded linkage is furnished with the 1124 when an electric operator is specified (see Instructions 1020).

All standard valves (except 1126-_-H) can be used on natural gas. Standard 1122^③, 1123, 1124, and 1126 Valves are suitable for air heated to 400°F. For 400 to 700°F, specify the 1122-_- H^③, or 1126-_-H Valve with Grafoil seal. The -H (Heated Air) is available in sizes 1" through 6" only.

SPECIFICATIONS/CONSTRUCTION

Valve designation	Maximum inlet pressure, psi	Maximum temperature, F	Minimum Ambient temperature, F	Body	Disc	Shaft
1122 ^③ , 1124, 1126: -0 thru -4 -5 thru -8 -6-F thru -8-F ^①	25 15 15	400 ^② 400 ^② 400 ^②	-20 -20 -20	cast iron threaded " cast iron flanged	steel " "	303 stainless steel " "
1126, 1123 -9 thru -16 ^①	5	400	-20	"	cast iron	416 stainless steel

Caution:

① Flanged Valves: Use flat flanges and full face gaskets when installing this equipment. Raised face flanges can damage the valve body.

Additional Notes:

② 700°F for 1122-(H), and 1126-(H) which have Grafoil seals.

③ See Bulletin 1122.

AIR TEMPERATURE CORRECTION FACTORS FOR ALL VALVES

Multiply scfh in table by air temperature factor to get scfh air at that temperature.

F	factor	F	factor
60	1.0	300	0.83
100	0.96	400	0.78
150	0.92	500	0.74
200	0.89	600	0.70
250	0.86	700	0.67