

Capacities - butterfly valves

Butterfly valves - 1" through 4"

Size	Minimum controllable Cv rating	Maximum Cv rating	Maximum inlet pressure (psig)	Maximum body pressure (psig)
1"	0.50	27	100	100
1.25"	0.60	70	100	100
1.5"	0.70	105	100	100
2"	1.30	190	100	100
2.5"	2.40	260	90	100
3"	3.00	360	60	100
4"	5.00	750	30	100

Fluid	Gas code	Suggested material options			Maximum fluid temperature rating	Maximum ambient temperature rating
		Body seals	Body material	Body internals		
Max Air	A	A, B	1, 2, 3, 5	1, 5	158°F	158°F
Butane Gas	D	A, B	1, 2, 3, 5	1, 5	158°F	158°F
Coke Oven Gas	E	B	1, 2, 5	1, 5	158°F	158°F
Digester Gas	F	B	5	5	158°F	158°F
Landfill Gas	G	B	5	5	158°F	158°F
Manufactured Gas	H	B	5	5	158°F	158°F
Natural Gas	I	A, B	1, 2, 3, 5	1, 5	158°F	158°F
Oxygen	J	B	3, 5	2, 6	158°F	158°F
Propane Gas	K	A, B	1, 2, 3, 5	1, 5	158°F	158°F
Propane/Butane Blend Gas	L	A, B	1, 2, 3, 5	1, 5	158°F	158°F
Refinery Gas	M	B	5	5	158°F	158°F
Sour Natural Gas	N	B	5	5	158°F	158°F
Town Gas	O	A, B	5	5	158°F	158°F

Body seals

A - Buna-N

B - Viton

Body material

1 - Cast iron

2 - Carbon steel

3 - Brass

5 - Stainless steel

Body internals

1 - Trim package 1

2 - Trim package 1, oxy clean

5 - Trim package 2

6 - Trim package 2, oxy clean

Butterfly valves - 6" through 16"

Size	Minimum controllable Cv rating	Maximum Cv rating	Maximum inlet pressure (psig)	Maximum body pressure (psig)
6"	12.5	1425	5	100
8"	22	2500	5	100
10"	35	4500	5	100
12"	50	6400	5	100
14"	67	8800	5	100
16"	88	11700	5	100

Fluid	Gas code	Suggested material options				Maximum fluid temperature rating	Maximum ambient temperature rating
		Body seals	Body material	Body internals	Gasket material		
158°F max air	A	A, B	1	1	NEOP, FIBR	158°F	158°F
350°F max air	B	B	1	1	FIBR	350°F	158°F
400°F max air	C	B	1	1	FIBR	400°F	140°F
Natural gas	I	A,B	1	1	NEOP, FIBR	158°F	158°F

Body seals

A - Buna-N
B - Viton

Body material

1 - Cast iron

Body internals

1 - Trim package 1

Gasket material

FIBR - Hi temp fiber
NEOP - Neoprene