

Cast- and Ductile-Iron Butterfly Valves



- Max. pressure: 200 psi
- Buna liner temp. range: 10° to 180°F
- EPDM liner temp. range: -30° to 250°F
- Viton liner temp. range: -20° to 300°F

For commercial mechanical and industrial processes, including hot and cold domestic water, HVAC, condenser and chilled water, and compressed air and vacuum services. Meet MSS-SP67, MSS-SP25, and API-609, except Low-Lead models only meet MSS SP-67, API-609.

Cast-Iron—Heavy-duty, low-torque valves are dead-end service rated at 150 psi; 200 psi for Buna and EPDM lug style.

Ductile-Iron—High tensile and yield strength with positive shutoff. Bidirectional service to 200 psi max.



5MPC5

Pipe Size	Bolt Circle Dia.	Lug Dia.	No. of Bolt Holes	Cast-Iron Body, Buna Liner, Nickel Plated Ductile-Iron Disc Item No.	Cast-Iron Body, EPDM Liner, Aluminum/Bronze Disc Item No.	Cast-Iron Body, Viton Liner, Nickel Plated Ductile-Iron Disc Item No.	Ductile-Iron Body, Buna Liner, Nickel Plated Ductile-Iron Disc Item No.	Ductile-Iron Body, EPDM Liner, Aluminum/Bronze Disc Item No.	Ductile-Iron Body, Viton Liner, 316 Stainless Steel Disc Item No.	Low-Lead Ductile-Iron Body, EPDM Liner, Aluminum/Bronze Disc Item No.
Lug Style, Gear Operated Handle Type										
6"	9 1/2"	3/4-10	8	1JBH6	1JBE6	—	—	5MPC3	5MPE3	39A304
8"	11 3/4"	3/4-10	8	1JBH8	1JBE8	—	—	5MPC4	5MPE4	39A305
10"	14 1/4"	7/8-9	12	—	—	—	—	5MPC5	—	39A306
12"	17"	7/8-9	12	—	—	—	—	5MPC6	—	39A307
Lug Style, Lever Handle Type										
2"	4 3/4"	5/8-11	4	1JBH1	1JBD1	1JBN1	5MPC7	5MPA7	5MPD6	39A296
2 1/2"	5 1/2"	5/8-11	4	1JBH3	1JBD3	—	5MPC8	5MPA8	5MPD7	39A297
3"	6"	5/8-11	4	1JBH5	1JBD5	1JBN3	5MPC9	5MPA9	5MPD8	39A298
4"	7 1/2"	5/8-11	8	1JBH7	1JBD7	1JBN5	5MPD0	5MPC0	5MPD9	39A299
5"	8 1/2"	3/4-10	8	1JBH9	1JBD9	—	5MPD1	5MPC1	5MPE0	39A301
6"	9 1/2"	3/4-10	8	1JBH2	1JBE2	1JBN7	5MPD2	5MPC2	5MPE1	39A302
8"	11 3/4"	3/4-10	8	1JBH4	1JBE4	1JBN9	5MPD3	5MPA6	5MPE2	39A303
Wafer Style, 10 Position Spring Locked Handle Type										
4"	7 1/2"	5/8-11	2	—	—	—	5MPF9	—	—	—
5"	8 1/2"	3/4-10	2	—	—	—	5MPG0	—	—	—
Wafer Style, Gear Operated Handle Type										
4"	7 1/2"	5/8-11	2	—	—	—	—	5MPG8	—	—
5"	8 1/2"	3/4-10	2	—	—	—	—	5MPG9	—	—
6"	9 1/2"	3/4-10	2	1JBL6	1JBG6	—	—	5MPF2	5MPH2	—
8"	11 3/4"	3/4-10	2	—	1JBG8	—	—	5MPF3	5MPH3	—
10"	14 1/4"	7/8-9	4	—	—	—	—	5MPF4	—	—
12"	17"	7/8-9	4	—	—	—	—	5MPF5	—	—
Wafer Style, Lever Handle Type										
2"	4 3/4"	5/8-11	2	1JBK1	1JBF1	—	—	5MPE6	5MPG5	—
2 1/2"	5 1/2"	5/8-11	2	—	1JBF3	—	—	5MPE7	5MPG6	—
3"	6"	5/8-11	2	1JBK5	1JBP8	—	—	5MPE8	5MPG7	—
4"	7 1/2"	5/8-11	2	1JBK7	1JBF7	—	—	5MPE9	—	—
5"	8 1/2"	3/4-10	2	—	1JBF9	—	—	5MPF0	—	—
6"	9 1/2"	3/4-10	2	1JBL2	1JBG2	1JBR3	5MPG1	5MPF1	5MPH0	—
8"	11 3/4"	3/4-10	2	1JBL8	—	—	—	—	—	—
8"	11 3/4"	3/4-10	2	1JBL4	1JBG4	—	5MPG4	—	5MPH1	—



Electric Actuated
115 VAC
1WDX1



Pneumatic
Actuated
1WDX8

Cast- and Ductile-Iron Actuated Butterfly Valves



- Max. pressure: 200 psi CWP
- Temp. range: -20° to 250°F
- EPDM seats and liner, aluminum bronze disc
- Lug style

Use for industrial and domestic applications, including hot and cold domestic water, HVAC, condenser and chilled water, compressed air, and vacuum service. Compatible with ANSI Class 125 and 150 flanges. Electrically actuated 115VAC valves have a reversing motor that requires 50/60 Hz and include a switch that indicates whether the valve is open or closed. Close mount. Can be bolted directly to a single flange piping system. Pneumatic-actuated valves require a 80 psi air supply. Double-acting valves require air to open and close; spring-return valves only require air to open.

Pipe Size	Bolt Circle Dia.	Lug Dia.	No. of Bolt Holes	115 V AC Item No.	Pneumatically Actuated, Double Acting Item No.	Pneumatically Actuated, Spring Return Item No.
Cast Iron						
2 in	4 3/4 in	5/8-11	4	1WDX1	1WDX8	1WDY6
2 1/2 in	5 1/2 in	5/8-11	4	1WDX2	1WDX9	1WDY7
3 in	6 in	5/8-11	4	1WDX3	1WDY1	1WDY8
4 in	7 1/2 in	5/8-11	8	1WDX4	1WDY2	1WDY9
5 in	8 1/2 in	3/4-10	8	1WDX5	1WDY3	1WD21
6 in	9 1/2 in	3/4-10	8	1WDX6	1WDY4	1WD22
8 in	11 3/4 in	3/4-10	8	1WDX7	1WDY5	1WD23
Ductile Iron						
2 in	4 3/4 in	5/8-11	4	5MPP2	5MPN0	5MPN6
2 1/2 in	5 1/2 in	5/8-11	4	5MPP3	5MPN1	5MPN7
3 in	6 in	5/8-11	4	5MPP4	5MPN2	5MPN8
4 in	7 1/2 in	5/8-11	8	5MPP5	5MPN3	5MPN9
5 in	8 1/2 in	3/4-10	8	5MPP6	5MPN4	5MPP0
6 in	9 1/2 in	3/4-10	8	5MPP7	5MPN5	5MPP1



PVC and CPVC Butterfly Valves

Feature a spherical disc design for greater durability and improved Cv, while the full seat construction helps isolate the body and stem from the media and acts as mating flange gaskets. All gear handles come with a Plasgear operator designed with composite plastic and a black urethane coating for rust and corrosion resistance even when exposed to harsh chemicals.

Pipe Size	Bolt Circle Dia.	Lug Dia.	No. of Bolt Holes	Disc Material*	Handle Gear Item No.	Handle Lever Item No.
Lug						
3 in	6 in	5/8-11	4	PP	442R86	442R82
4 in	7 1/2 in	5/8-11	8	PP	442R87	442R83
6 in	9 1/2 in	3/4-10	8	PP	442R88	442R84
8 in	11 1/4 in	3/4-10	8	PP	442R89	442R85
Wafer						
2 in	4 1/4 in	1/4 in	4	CPVC	442R95	442R90
2 1/2 in	5 1/2 in	1/4 in	4	PVC	442R68	442R62
		1/4 in	4	PVC	442R69	442R63
		1/4 in	4	CPVC	442R96	442R91
3 in	6 in	5/8-11	4	PP	442R74	442R78
		1/4 in	4	PVC	442R70	442R64
		1/4 in	8	CPVC	442R97	442R92
4 in	7 1/2 in	5/8-11	8	PP	442R75	442R79
		1/4 in	8	PVC	442R71	442R65
		1/4 in	8	CPVC	442R98	442R93
6 in	9 1/2 in	3/4-10	8	PP	442R76	442R80
		1/4 in	8	PVC	442R72	442R66
		1/4 in	8	CPVC	442R99	442R94
8 in	11 1/4 in	3/4-10	8	PP	442R77	442R81
		1/4 in	8	PVC	442R73	442R67

* Polypropylene = PP.



Gear Handle
442R74



Lever Handle
442R78