

TOWNLEY

Engineering & Manufacturing Co., Inc.

VALVES

SERIES 120 LARGE BORE

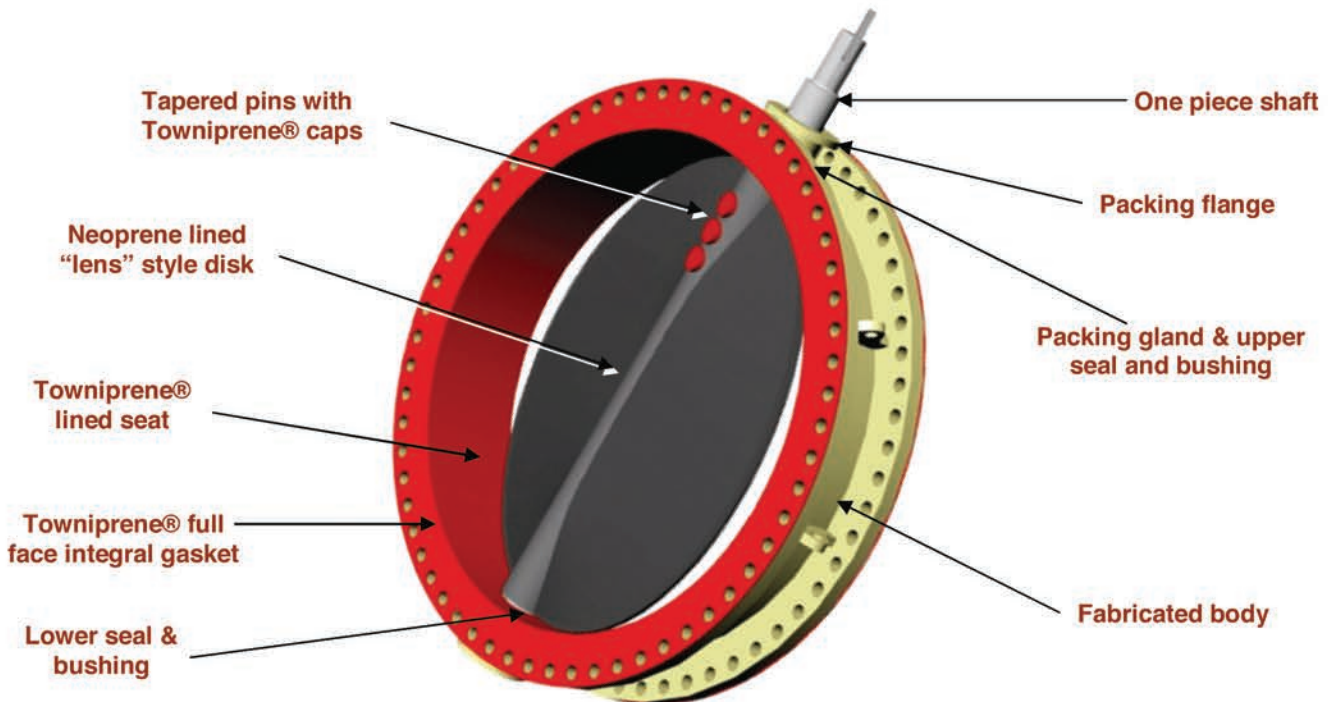
Materials of Construction

- Body:** Fabricated Steel
- Disk:** Fabricated steel with internal gussets
- Shaft:** Stainless steel 17-4, one piece
- Packing:** Buna-N / graphite / PTFE
- Flanges:** AWWA C207, table 1, class D (150 PSI), carbon steel, AN
- Body Lining:** Towniprene® proprietary cast urethane
- Disk Covering:** Neoprene lined (other options available)
- Bushings and thrust plate:** Bronze
- Mounting plate:** Fabricated steel
- SI B 16.5 150 PSI drilling

Series 120 Butterfly Valve Dimensions

Valve Size	General Dimensions									Flange Drilling				Top Plate Mounting Dimensions			
	A	B	C	D	E	F	G	Keyway	Bolt Circle	# of Bolts	Bolt Hole ID	Bolt Size (UNC)	OD	Bolt Circle	# Bolts	Bolt Hole Size	
18	17 1/4	25	15 1/2	4 3/8	3 1/2	1 7/8	1 7/8	1/2 x 1/4	22 3/4	16	1 1/4	1 1/8 - 7	8	6 1/2	4	13/16	
20	19 1/4	27 1/2	16 1/2	5 1/8	3 1/2	2	1 7/8	1/2 X 1/4	22 3/4	20	1 1/4	1 1/4 - 7	8	6 1/2	4	13/16	
24	23 1/4	32	19 1/2	<i>see below</i>	3 1/2	2	1 7/8	1/2 X 1/4	29 1/2	20	1 3/8	1 1/4 - 7	8	6 1/2	4	13/16	
30	29 1/4	38 3/4	23 3/8	<i>see below</i>	4	2 1/2	2 1/4	1/2 X 1/4	36	28	1 3/8	1 1/4 - 7	12 X 12	8 1/2	4	7/8	
36	35 1/4	46	26 7/8	12	4	3	2 7/8	3/4 X 3/8	42 3/4	32	1 5/8	1 1/2 - 6	12 X 12	5 1/2	4	7/8	
42	41 1/4	53	31 1/2	12	*	3 3/8	*	*	49 1/2	36	1 5/8	1 1/2 - 6	*	*	*	*	
48	47 1/4	59 1/2	36 1/4	15	*	4	*	*	56	44	1 5/8	1 1/2 - 6	*	*	*	*	
54	53 1/4	66 1/4	40	15	*	4 1/2	*	*	62 3/4	44	1 7/8	1 3/4 - 5	*	*	*	*	
60	59 1/4	73	43 1/4	15	*	4 3/4	*	*	69 1/4	52	1 7/8	1 3/4 - 5	*	*	*	*	
66	65 1/4	80	47 5/8	18	*	5	*	*	76	52	1 7/8	1 3/4 - 5	*	*	*	*	
72	71 1/4	86 1/2	50	18	*	5 3/4	*	*	82 1/2	60	1 7/8	1 3/4 - 5	*	*	*	*	
78	77 1/4	93	52 1/2	22	*	6	*	*	89	64	2 1/8	2 - 4.5	*	*	*	*	
84	83 1/4	99 3/4	58 5/8	18	*	6 1/2	*	*	95 1/2	64	2 1/8	2 - 4.5	*	*	*	*	
90	89 1/4	106 1/2	62	22	*	7 1/2	*	*	102	68	2 7/16	2 1/4 - 4.5	*	*	*	*	
96	95 1/4	113 1/4	64 5/8	24	*	7 1/2	*	*	108 1/2	68	2.4375	2 1/4 - 4.5	*	*	*	*	

A-Throat diameter B-Flange OD C-Center of port to mounting plate D-Face to Face E-Mounting plate to shaft top F-Shaft diameter G-Shaft end diameter
 *To match actuator (Note: 24" Valve, C dimensions...5 15/16" or 8" 30" Valve, C dimensions...6 9/16" or 12")



Sales & Manufacturing Centers

Home Office	Arizona	Illinois	Texas	West Virginia
Candler, FL	Eloy, AZ	Eldorado, IL	New Summerfield, TX	Beckley, WV
Phone (800) 342-9920	Phone (520) 466-9223	Phone (618) 273-9341	Phone (903) 726-3503	Phone (304) 252-7084
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TOWNLEY

Engineering & Manufacturing Co., Inc.

Series 120 Large Scale Butterfly Valves

Designed for handling high volume solution flow, this Townley bi-directional valve is an excellent choice for throttling or isolation service.

New or Remanufactured

New: The Townley Series 120 Valve is available as a new OEM valve featuring:

- Internal diameters from 18" to 96"
- A robust fabricated steel body gusseted and drilled to your specifications.
- Bonded-in durable integral cast Towniprene® urethane seat and full-face flange gaskets
- Solid through-disk shaft with upper & lower bronze bushings and bronze thrust bearings
- Fabricated convex shaped resilient neoprene lined-disk pinned to shaft with Towniprene® caps to seal and prevent galvanic corrosion.
- No exposed metal in process flow
- Interference fit of softer neoprene disk to Towniprene® Seat, which ensures positive sealing when closed
- Pressure and torque tested to your specifications prior to shipping
- Wide variety of actuator options



Benefits:

- Durable design
- Improved flow coefficient
- Mollusk resistant elastomers
- Positive seal
- Bi-directional
- Excellent value

VALVES

SERIES 120 LARGE BORE



Remanufactured: We can rebuild your existing worn valve to "like-new" condition as previously described for a variety OEM styles including Keystone, Media, DeZurik, Henry Pratt, Mosser, BIF, Rodney Hunt and Allis Chalmers.

We incinerate the existing elastomer, machine & repair the metal body if required, replace all bushings and seals, build a new style disk then follow all the steps as noted for a new valve.

Product quality: Whether new or rebuilt, you will have a new Townley valve with the assurance of excellent service life in your application. Both new and rebuilds valves can be 100% rebuilt again when the maintenance cycle comes around again.

Typical Applications

Townley valves are an excellent choice for flow management of water or abrasive slurry in circuits such as:

- Water circulation control
- Brackish, salt or fresh water
- Power plant cooling water isolation

Isolation, diversion or throttling applications



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