

# Type 27 Compact Ball Valves



PVC CPVC

SERIES: Type 27

SIZES: 3/8" to 2"

ENDS: Threaded or Socket

SEATS: PTFE

SEALS: EPDM

Chemline Type 27 Compact Ball Valves are manufactured to high quality standards. They are used on applications where union end valves are not necessary or desired such as drain valves for tanks.

## Features

### Low Stem Torques

- Due to floating ball design and cushioned PTFE seats

### Compact

- Space saving, low profile

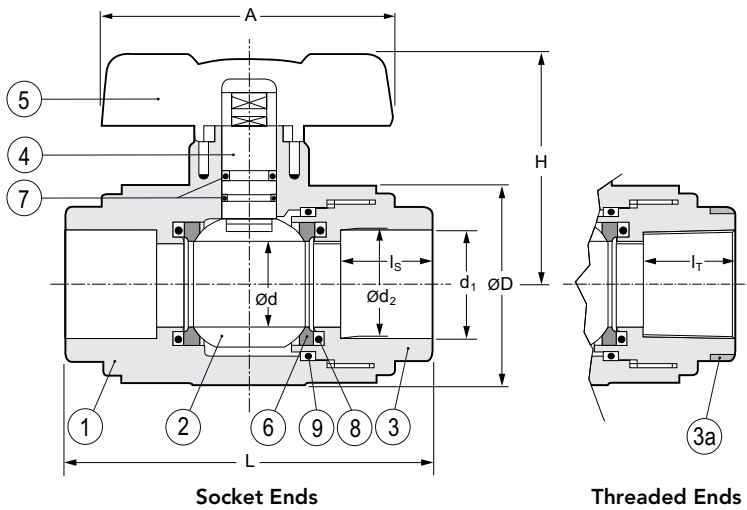
### Double Stem O-Rings

### Ergonomic Handle Design



Top View

# Type 27 Compact Industrial Ball Valves



## PARTS

No.	Part <sup>1</sup>	Pcs.	Materials
1	Body	1	PVC, CPVC
2	Ball	1	PVC, CPVC
3	End Connector	1	PVC, CPVC
3a	End Connector Ring <sup>2</sup>	2	304 SS
4	Stem	1	PVC, CPVC
5	Handle	1	ABS
6	Seat	2	PTFE
7	Stem O-Ring	2	EPDM
8	Seat Cushion	2	EPDM
9	Carrier O-Ring	1	EPDM

<sup>1</sup> Parts for identification only and cannot be replaced

<sup>2</sup> Used for CPVC threaded valves 3/8" to 1"

## DIMENSIONS INCHES

Size	d <sub>1</sub>	d <sub>2</sub>	l <sub>s</sub>	l <sub>T</sub>	L	d	A	D	H
3/8"	0.687	0.671	0.59	0.59	2.72	0.59	2.95	1.57	2.07
1/2"	0.848	0.836	0.69	0.59	3.11	0.59	2.95	1.57	2.07
3/4"	1.058	1.046	0.72	0.67	3.70	0.79	3.43	1.93	2.46
1"	1.325	1.310	0.87	0.79	4.25	0.98	3.43	2.28	2.74
1-1/4"	1.670	1.655	0.94	0.87	4.76	1.22	4.13	2.68	3.21
1-1/2"	1.912	1.894	1.09	0.98	5.75	1.57	5.31	3.25	3.78
2"	2.387	2.369	1.16	1.10	6.86	2.01	5.31	4.09	4.23

## WORKING PRESSURES PSI

Size	PVC		CPVC			PVC	CPVC	USGPM Flow at 1 psi ΔP
	0-50°C 68-122°F	0-50°C 68-122°F	60°C 140°F	80°C 176°F	90°C 194°F			
3/8"	150	150	120	90	60	0.3	0.3	7.7
1/2"	150	150	120	90	60	0.3	0.3	14.0
3/4"	150	150	120	90	60	0.4	0.5	29.0
1"	150	150	120	90	60	0.7	0.8	47.0
1-1/4"	150	150	120	90	60	0.9	1.0	72.0
1-1/2"	150	150	120	90	60	1.2	1.3	155.0
2"	150	150	120	90	60	2.0	2.1	190.0

Temperature Ranges: PVC -0 to 60°C (32 to 140°F), CPVC -0 to 95°C (32 to 203°F)

## NET WEIGHTS LB.

## C<sub>v</sub> VALUES

## ORDERING EXAMPLE

Chemline Type 27 Compact Ball Valves				27	A	020	T
Valve Material	A - PVC		C - CPVC				
Size	003 - 3/8"	005 - 1/2"	007 - 3/4"	010 - 1"			
	012 - 1-1/4"	015 - 1-1/2"	020 - 2"				
Ends	S - Socket		T - Threaded				

## VACUUM RATING

• 29.9 inches mercury

## OPTIONS & ACCESSORIES

• Flanged Ends

Example: Chemline Type 27 Compact Ball Valve, PVC, 2", EPDM seals, threaded ends

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