

## True Union PVC and CPVC Ball Valves

Full-port valves have a lever handle and PTFE seats. Easy to disassemble by handle for less down time for replacement and maintenance. Connection type is socket/FNPT x socket/FNPT. For use in chemical industry, swimming pool, wastewater, and other corrosive applications. Meet ASTM F1970.

Pipe Size	Max. Pressure	PVC Temp.: 32° to 140°F Item No.	CPVC Temp.: 32° to 194°F Item No.
<b>EPDM Seals</b>			
1/2 in	225 psi CWP	4PGA5	4PGC4
3/4 in		4PGA6	4PGC5
1 in		4PGA7	4PGC6
1 1/4 in		4PGA8	4PGC7
1 1/2 in		4PGA9	4PGC8
2 in	150 psi CWP	4PGC1	4PGC9
3 in		4PGC2	4PGD1
4 in		4PGC3	4PGD2

Pipe Size	Max. Pressure	PVC Temp.: 32° to 140°F Item No.	CPVC Temp.: 32° to 194°F Item No.
<b>FPM Seals</b>			
1/2 in	225 psi CWP	4PGD3	4PGE2
3/4 in		4PGD4	4PGE3
1 in		4PGD5	4PGE4
1 1/4 in		4PGD6	4PGE5
1 1/2 in		4PGD7	4PGE6
2 in	150 psi CWP	4PGD8	4PGE7
3 in		4PGD9	4PGE8
4 in		4PGE1	4PGE9



## True Union and PVC Ball Valves



Typically used in on/off applications and with clean fluids with very little or no suspended solids. Suitable for use in chemical processing, mining, pool, power plant, transportation, and water treatment applications. Find more Asahi Ball Valves at Grainger.com. NSF-61 Approved.

### COMPACT TYPE 27

Omni ball valve has a unibody construction, low-profile design with 1/4-turn handle, hyperbolic flow characteristics, low pressure drop, and reliable sealing.

### TRUE UNION DESIGN TYPE 21

Tapered O-ring grooves help keep the end connector O-rings in place during installation. The PTFE seat design eases field maintenance if needed. Flats on either side of the valve body allow you to keep the body from turning when the union nuts are tightened.



Compact



True Union Design

Pipe Size	Body Seal Material	Item No.
<b>27 in L, True Union Design Type 21</b>		
Socket x Socket, 30° to 120°F		
6 in	FKM	49EZ84
<b>Compact Type 27</b>		
3/8 in	EPDM	49EZ58
1/2 in	EPDM	49EZ59
3/4 in	EPDM	49EZ60
1 in	EPDM	49EZ61
1 1/4 in	EPDM	49EZ62
1 1/2 in	EPDM	49EZ63
2 in	EPDM	49EZ64
<b>Thread, 30° to 120°F</b>		
3/8 in	EPDM	49EZ65
1/2 in	EPDM	49EZ66
3/4 in	EPDM	49EZ67
1 in	EPDM	49EZ68
1 1/4 in	EPDM	49EZ69
1 1/2 in	EPDM	49EZ70
2 in	EPDM	49EZ71
<b>True Union Design Type 21</b>		
Socket x Socket, 30° to 120°F		
2 1/2 in	EPDM	49FA45
	FKM	49EZ81
3 in	EPDM	49FA46
	FKM	49EZ82
4 in	EPDM	49FA47
	FKM	49EZ83

Pipe Size	Body Seal Material	Item No.
<b>Socket x Thread, 30° to 140°F</b>		
1/2 in	EPDM	49FA39
	FKM	49FA51
3/4 in	EPDM	49FA40
	FKM	49FA52
1 in	EPDM	49FA41
1 1/4 in	EPDM	49FA42
1 1/2 in	EPDM	49FA43
2 in	FKM	49FA53
1 1/4 in	FKM	49FA54
1 1/2 in	FKM	49FA55
2 in	EPDM	49FA44
	FKM	49FA56
<b>Thread x Thread, 30° to 120°F</b>		
2 1/2 in	EPDM	49FA48
3 in	EPDM	49FA49
4 in	EPDM	49FA50
<b>True Union Design Type 21, Vent Holes for sodium hypochlorite applications</b>		
Socket x Thread, 30° to 140°F		
1 1/4 in	FKM	49EZ78
1 1/2 in	FKM	49EZ79
2 in	FKM	49EZ80



32H954



4YLJ7

## PVC Compact Economy Ball Valves

- Max. pressure: 150 psi CWP

Light-duty ball valves can be used with Schedule 40/80 pipe and fittings in water applications. Models with EPDM seals have a 1-pc. design that requires no ball/seat adjustment. All are suitable for use in light-duty water applications. Models with PTFE seats and socket connections meet ASTM D2467; PTFE seats and FNPT connections meet ASTM D2464.

Pipe Size	Temp. Range	FNPT x FNPT Item No.	Socket x Socket Item No.	Pipe Size	Temp. Range	FNPT x FNPT Item No.	Socket x Socket Item No.
<b>FPM Seal, PTFE Seat</b>				<b>EPDM Seal, Santoprene Seat</b>			
1/2 in	14° to 122°F	32H954	32H948	1/2 in	34° to 140°F	4YLJ9	4YLJ3
3/4 in		32H955	32H949	3/4 in		4YLJ6	4YLH6
1 in		32H956	32H950	1 in		4YLJ4	4YLJ4
1 1/4 in		32H957	—	1 1/4 in		4YLH1	4YLH7
1 1/2 in		32H958	32H952	1 1/2 in		4YLH2	4YLJ5
2 in		32H959	32H953	2 in		4YLH5	4YLH8
				1 in		4YLH3	4YLH8
				1 1/4 in		4YLH6	4YLH9
				1 1/2 in		4YLH7	4YLH9
				2 in		4YLH8	4YLH9
				2 in		4YLJ1	4YLJ2



## PVC/CPVC Ball Valves

- Max. pressure: 1/2" to 2" are 235 psi CWP; 2 1/2" to 6" are 150 psi CWP, except 20RK42 is 235 psi CWP
- Temp. range: 40° to 140°F (PVC), 32° to 190°F (CPVC)

Chemical/corrosion resistant, fully sealed, feature a self-adjusting PTFE floating seat design, and a high-impact polypropylene handle. For a variety of chemical process and industrial applications including vacuum service. Designed for horizontal installation, but can be installed in a vertical up-flow only orientation. Meet ASTM F1970.

Pipe Size	PVC, FNPT x FNPT		PVC, Socket x Socket		CPVC, Socket x Socket	
	Body Seal Material	Item No.	Body Seal Material	Item No.	Body Seal Material	Item No.
Compact Ball Valve, Standard Port						
½ in	FKM	20RK01	EPDM	20RK09	FKM	20RK26
¾ in	EPDM	20RK02	EPDM	20RK10	FKM	20RK27
1 in	EPDM	20RK03	EPDM	20RK11	FKM	20RK28
1 ½ in	EPDM	20RK05	—	—	—	—
2 in	EPDM	20RK06	EPDM	20RK14	FKM	20RK31
3 in	—	—	EPDM	20RK15	—	—
4 in	—	—	EPDM	20RK16	—	—
6 in	—	—	EPDM	20RK17	—	—



20RK44

Pipe Size	Port	PVC, Socket x Socket Body Seal Material	Item No.	PVC, Socket x FNPT Body Seal Material	Item No.	CPVC, Socket x Socket Body Seal Material	Item No.	CPVC, Socket x FNPT Body Seal Material	Item No.
<b>Ball Valve</b>									
1/2 in	Standard	FKM	20RK44	Full	EPDM	20RK53	Standard	FKM	20RK35
3/4 in	Standard	EPDM	20RK45	Full	EPDM	20RK54	Standard	FKM	20RK36
1 in	Full	EPDM	20RK46	Full	EPDM	20RK55	Standard	FKM	20RK37
1 1/4 in	Full	EPDM	20RK47	Full	EPDM	20RK56	—	—	—
1 1/2 in	Full	EPDM	20RK48	Full	EPDM	20RK57	—	—	—
2 in	Full	EPDM	20RK49	Full	EPDM	20RK58	Standard	FKM	20RK40
2 1/2 in	—	—	—	Full	EPDM	20RK59	—	—	—
3 in	—	—	—	Full	EPDM	20RK60	Standard	FKM	20RK42
4 in	—	—	—	Full	EPDM	20RK61	—	—	—