Union Ball Valves

PVC & PP

Ball valves are designed to provide reliable and durable performance in various water systems, including field irrigation, nurseries, and greenhouses. Crafted from high-quality PVC & PP materials, it ensures excellent corrosion resistance and user-friendly operation, making it an ideal choice for water distribution systems.



PVC Ball Valves

PP Ball Valves

HIGHLIGHTS

- Available in high quality PVC and PP materials.
- Connections – Threaded (BSP, NPT & BSPT) / Solvent Glued Socket end available in ISO, ASTM, BS and DIN standard
- User friendly design allows smooth handle operation with low operational torque.
- Corrosion resistant and UV stabilized.
- Durable, reliable and easy for maintenance.
- Ideal for application in temperature upto 50° C

APPLICATIONS

- Manual shut-off for distribution lines in irrigation systems.
- Shutoff valve for overhead sprinklers.
- Use as isolation valves.

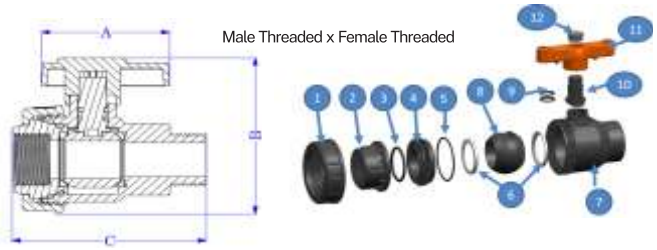


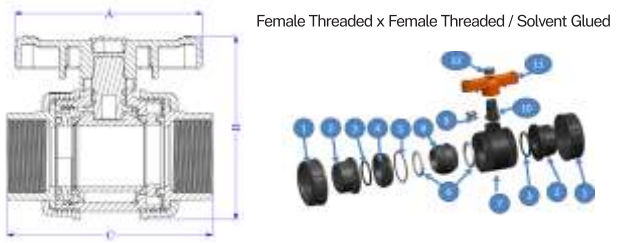
Technical Data (PVC Ball Valves PN-16 /10)

Nominal Diameter	DN	PN	Connection Type	Connection End	Product Dimensions					
					A		B		C	
					CM	INCH	CM	INCH	CM	INCH
½"	15	16	Single Union	Female Threaded x Female Threaded / Solvent Glued	6	2 23/64	8.5	3 11/32	8.3	3 17/64
			Single Union	Male Threaded x Female Threaded	6	2 23/64	8.5	3 11/32	10	3 15/16
¾"	20		Single Union	Female Threaded x Female Threaded / Solvent Glued	6	2 23/64	8.5	3 11/32	8.3	3 17/64
			Single Union	Male Threaded x Female Threaded	6	2 23/64	8.5	3 11/32	10	3 15/16
1"	25		Single Union	Female Threaded x Female Threaded / Solvent Glued	7	2 3/4	9.5	3 47/64	9	3 35/64
			Single Union	Male Threaded x Female Threaded	7	2 3/4	9.5	3 47/64	10.5	4 9/64
1¼"	32		Single Union	Female Threaded x Female Threaded / Solvent Glued	10.5	4 9/64	11	4 21/64	12.3	4 27/32
			Single Union	Male Threaded x Female Threaded	10.5	4 9/64	11	4 21/64	12.4	4 7/8
1½"	40		Single Union	Female Threaded x Female Threaded / Solvent Glued	12	4 23/32	13.5	5 5/16	13.7	5 25/64
			Single Union	Male Threaded x Female Threaded	12	4 23/32	13.5	5 5/16	13.7	5 25/64
2"	50		Single Union	Female Threaded x Female Threaded / Solvent Glued	15	5 29/32	15.5	6 7/64	16.5	6 1/2
			Single Union	Male Threaded x Female Threaded	15	5 29/32	15.5	6 7/64	16.5	6 1/2
2½"	65	10	Single Union	Female Threaded x Female Threaded / Solvent Glued	16	6 19/64	17.5	6 57/64	19	7 31/64
			Single Union	Male Threaded x Female Threaded	16	6 19/64	17.5	6 57/64	18	7 3/32
3"	80		Single Union	Female Threaded x Female Threaded / Solvent Glued	20	7 7/8	22.5	8 55/64	22.3	8 25/32
			Single Union	Male Threaded x Female Threaded	20	7 7/8	22.5	8 55/64	23	9 1/16
4"	100		Single Union	Female Threaded x Female Threaded / Solvent Glued	27	10 5/8	26.5	10 7/16	27	10 5/8
			Single Union	Female Threaded x Female Threaded / Solvent Glued	27	10 5/8	26.5	10 7/16	27	10 5/8
1"	25	16	Double Union	Female Threaded x Female Threaded / Solvent Glued	7	2 3/4	10	3 15/16	11	4 21/64
1½"	40		Double Union	Female Threaded x Female Threaded / Solvent Glued	12	4 23/32	13.5	5 5/16	15	5 29/32
2"	50		Double Union	Female Threaded x Female Threaded / Solvent Glued	15	5 29/32	16	6 19/64	17.5	6 57/64
2½"	65	10	Double Union	Female Threaded x Female Threaded / Solvent Glued	16	6 19/64	17	6 11/16	21.5	8 15/32
3"	80		Double Union	Female Threaded x Female Threaded / Solvent Glued	20	7 7/8	22.5	8 55/64	24.5	9 41/64
Flanged End Variants										
2½"	65	10	Flanged	Flanged x Flanged	16	6 19/64	17	6 11/16	23	9 1/16
3"	80				20	7 7/8	22.5	8 55/64	26	10 15/64

Single Union			
Part No	Part Name	Material	Quantity
1	Ring	PVC	1
2	Socket	PVC	1
3	Small O-ring	NBR	1
4	Bush	PVC	1
5	Big O-ring	NBR	1
6	Seal	TPE	2
7	Body	PVC	1
8	Ball	PVC	1
9	Shaft O-ring	NBR	2
10	Shaft	PVC	1
11	Handle	PPGF	1
12	Handle Logo	PPGF	1

Single Union			
Part No	Part Name	Material	Quantity
1	Ring	PVC	2
2	Socket	PVC	2
3	Small O-ring	NBR	2
4	Bush	PVC	1
5	Big O-ring	NBR	1
6	Seal	TPE	2
7	Body	PVC	1
8	Ball	PVC	1
9	Shaft O-ring	NBR	2
10	Shaft	PVC	1
11	Handle	PPGF	1
12	Handle Logo	PPGF	1





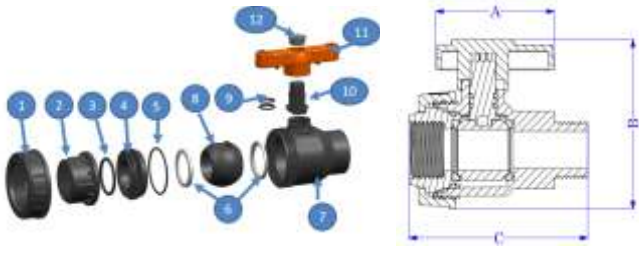
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Technical Data (PP Ball Valves PN-6)

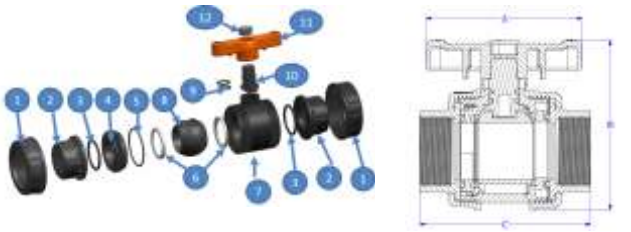
Nominal Diameter	DN	PN	Connection Type	Connection End	Product Dimensions					
					A		B		C	
					CM	INCH	CM	INCH	CM	INCH
¾"	20	6	Single Union	Female Threaded x Female Thread	6	2 23/64	8.5	3 11/32	8	3 5/32
	20		Single Union	Male Threaded x Female Threaded	6	2 23/64	8.5	3 11/32	9.8	3 55/64
1"	25		Single Union	Female Threaded x Female Thread	7	2 3/4	9.5	3 47/64	9	3 35/64
	25		Single Union	Male Threaded x Female Threaded	7	2 3/4	9.5	3 47/64	10.8	4 1/4
1¼"	32		Single Union	Female Threaded x Female Threaded /Solvent Glued	10.5	4 9/64	11	4 21/64	12.3	4 27/32
	32		Single Union	Male Threaded x Female Threaded	10.5	4 9/64	11	4 21/64	12.4	4 7/8
1½"	40		Single Union	Female Threaded x Female Threaded /Solvent Glued	12	4 23/32	13.2	5 13/64	13.5	5 5/16
	40		Single Union	Male Threaded x Female Threaded	12	4 23/32	13.5	5 5/16	13.5	5 5/16
2"	50		Single Union	Female Threaded x Female Threaded /Solvent Glued	15	5 29/32	15.4	6 1/16	16.5	6 1/2
	50		Single Union	Male Threaded x Female Threaded	15	5 29/32	15.4	6 1/16	16	6 19/64
2½"	65		Single Union	Female Threaded x Female Threaded /Solvent Glued	16	6 19/64	17.8	7 1/64	19.5	7 43/64
	65		Single Union	Male Threaded x Female Threaded	16	6 19/64	17.8	7 1/64	18.5	7 9/32
3"	80		Single Union	Female Threaded x Female Threaded /Solvent Glued	20	7 7/8	22.7	8 15/16	22.2	8 47/64
	80		Single Union	Male Threaded x Female Threaded	20	7 7/8	22.7	8 15/16	23.2	9 9/64
4	100		Single Union	Female Threaded x Female Threaded /Solvent Glued	27	10 5/8	26.3	10 23/64	26.8	10 35/64
	100		Single Union	Male Threaded x Female Threaded	27	10 5/8	26.3	10 23/64	27	10 5/8
1"	25		Double Union	Female Threaded x Female Threaded /Solvent Glued	7	2 3/4	10	3 15/16	11	4 21/64
1½"	40		Double Union	Female Threaded x Female Threaded /Solvent Glued	12	4 23/32	13.4	5 9/32	15	5 29/32
2"	50		Double Union	Female Threaded x Female Threaded /Solvent Glued	15	5 29/32	15	5 29/32	17.5	6 57/64
2½"	65		Double Union	Female Threaded x Female Threaded /Solvent Glued	16	6 19/64	17	6 11/16	20.5	8 5/64
3"	80		Double Union	Female Threaded x Female Threaded /Solvent Glued	20	7 7/8	22.7	8 15/16	24.5	9 41/64

Single Union			
Part No	Part Name	Material	Quantity
1	Ring	PPGF	1
2	Socket	PPGF/PVC	1
3	Small O-ring	NBR	1
4	Bush	PVC	1
5	Big O-ring	NBR	1
6	Seal	TPE	2
7	Body	PPGF	1
8	Ball	PVC	1
9	Shaft O-ring	NBR	2
10	Shaft	PVC	1
11	Handle	PPGF	1
12	Handle Logo	PPGF	1

Double Union			
Part No	Part Name	Material	Quantity
1	Ring	PPGF	2
2	Socket	PPGF/PVC	2
3	Small O-ring	NBR	2
4	Bush	PVC	1
5	Big O-ring	NBR	1
6	Seal	TPE	2
7	Body	PPGF	1
8	Ball	PVC	1
9	Shaft O-ring	NBR	2
10	Shaft	PVC	1
11	Handle	PPGF	1
12	Handle Logo	PPGF	1



Male Threaded x Female Threaded



Female Threaded x Female Threaded / Solvent Glued

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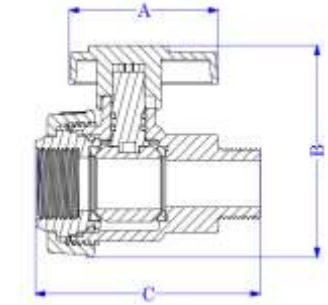
Technical Data (PP Ball Valves PN-4)

Nominal Diameter	DN	PN	Connection Type	Connection End	Product Dimensions					
					A		B		C	
					CM	INCH	CM	INCH	CM	INCH
	25	4	Single Union	Female Threaded x Female Threaded	7	2 3/4	9.5	3 47/64	9	3 35/64
1"	25		Single Union	Male Threaded x Female Threaded	7	2 3/4	9.5	3 47/64	11	4 21/64
1¼"	32		Single Union	Female Threaded x Female Threaded / Solvent Glued	10.5	4 9/64	11	4 21/64	12.3	4 27/32
1½"	40		Single Union	Female Threaded x Female Threaded / Solvent Glued	12	4 23/32	13	5 1/8	13.5	5 5/16
2"	50		Single Union	Female Threaded x Female Threaded / Solvent Glued	15	5 29/32	15.5	6 7/64	16.5	6 1/2
2½"	65		Single Union	Female Threaded x Female Threaded / Solvent Glued	16	6 19/64	18	7 3/32	19.5	7 43/64
3"	80		Single Union	Female Threaded x Female Threaded / Solvent Glued	20	7 7/8	22.5	8 55/64	22	8 21/32
1½"	40		Double Union	Female Threaded x Female Threaded / Solvent Glued	12	4 23/32	13.5	5 5/16	15	5 29/32
2"	50		Double Union	Female Threaded x Female Threaded / Solvent Glued	15	5 29/32	15	5 29/32	17.5	6 57/64
2½"	65		Double Union	Female Threaded x Female Threaded / Solvent Glued	16	6 19/64	17	6 11/16	20.5	8 5/64
3"	80		Double Union	Female Threaded x Female Threaded / Solvent Glued	20	7 7/8	22.5	8 55/64	24.5	9 41/64

Valve Size: 1"			
Part No	Part Name	Material	Quantity
1	Ring	PP	1
2	Bush	PP	1
3	Main O-ring	NBR	1
4	Seal	TPE	1
5	Ball	PP Compound	1
6	Body	PP	2
7	Shaft	PVC	1
8	Handle	PPGF	1
9	Shaft O-ring	NBR	2

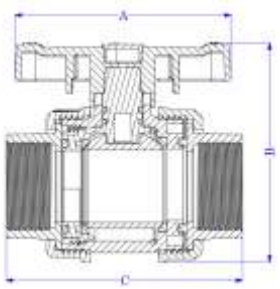
Valve Size: 1¼" – 3"			
Part No	Part Name	Material	Quantity
1	Ring	PP	1
2	Socket	PP/PVC	1
3	Small O-ring	NBR	1
4	Bush	PPGF	1
5	Big O-ring	NBR	1
6	Seal	TPE	2
7	Body	PP	1
8	Ball	PP compound	1
9	Shaft O-Ring	NBR	2
10	Shaft	PVC	1
11	Handle	PPGF	1
12	Handle Logo	PPGF	1





Male Threaded x Female Threaded





Female Threaded x Female Threaded / Solvent Glued