

# Dual Union Ball Valves

Physical shut off, manual restrictions, control or service needs in irrigation head controls, field plots, nurseries, greenhouses, Nutrigation™ systems, water conveyance systems.



High quality



Ultimate durability



Reliable

## / Benefits & Features

- **Saves operation costs**
  - A quarter turn shut off valve, threaded or glued socket, user friendly design allowing smooth handle operation
  - Corrosion resistant and UV stabilized
  - A true union ball valve, specifically designed for water application and for safe pipeline operation
- **Saves labor costs and multiple investments in maintenance**
  - In the closed position, the pipeline can be disconnected downstream from the valve without any leakage
  - The valve is removable from the pipeline, allowing quick maintenance
  - Highly reliable operation and durable over time

## / Specifications & Recommendations

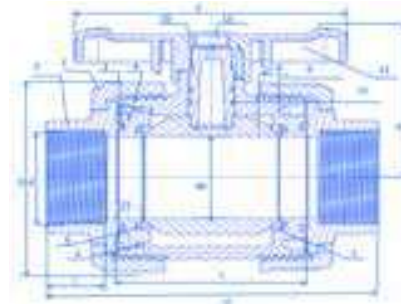
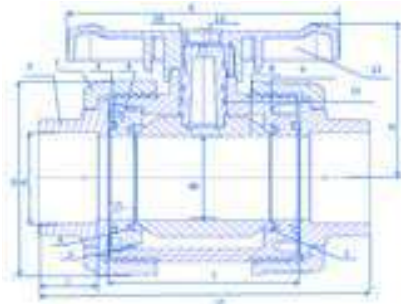
- Ideal for application in temperature range of -5°C and 50°C, guaranteeing optimal performance in terms of mechanical resistance, good rigidity, low coefficients of thermal expansion and optimal safety factors in service
- Operational up to 10bar
- Low head losses
- Wide range of connections: threaded (BSP or NPT standards) or SG, socket glued (ISO/DIN, ASTM, BS)

→ Packaging Data

Model	Quantity P/Box (unit)	Box Sizes (cm x cm x cm)	Female-Female Thd Conn. Box Weight (kg)	Socket Glued Conn. Box Weight (kg)	Boxes P/Pallet
1" - 32mm	75	43.0 x 33.0 x 39.0	21.98	21.49	12
1½" - 50mm	16	43.0 x 33.0 x 39.0	13.30	12.83	
2" - 63mm	8	43.0 x 33.0 x 39.0	10.93	10.62	
2½" - 75mm	8	43.0 x 33.0 x 44.5	14.84	14.60	
3" - 90mm	4	43.0 x 33.0 x 39.0	15.69	15.55	

→ Technical Dimensions

Dual Union Ball Valves 1", 1½", 2", 2½", 3"



→ Material Specifications

Inlet Connector - Female Threaded / Outlet Connector - Female Threaded

nom size	bsp (TPI)	npt (TPI)	DK (mm)	D (mm)	I (mm)	L (mm)	LT (mm)	E (mm)	H (mm)
1"	11.00	11.50	24.50	69.00	20.20	55.50	112.60	71.00	66.50
1½"	11.00	11.50	39.50	94.40	32.00	73.25	149.60	121.00	88.30
2"	11.00	11.50	49.50	116.00	35.40	84.20	177.40	150.00	97.00
2½"	11.00	8.00	59.00	131.60	45.50	100.00	212.10	162.00	107.50
3"	11.00	8.00	76.00	178.80	42.80	138.10	241.10	200.40	140.00

Dual Union Ball Valves 1", 1½", 2", 2½", 3"

#	Part Name	Material	Qty.
1	Ring	UPVC	2
2	Socket	UPVC	2
3	Bush small o-ring	HNBR	2
4	Bush	UPVC	1
5	Bush big o-ring	HNBR	1
6	Seal washer*	HNBR	2
7	Seal	TPE	2
8	Ball	UPVC	1
9	Body	UPVC	1
10	Shaft	UPVC	1
11	Shaft o-ring	HNBR	2**
12	Handle	ABS	1
13	Handle logo	ABS	1

\* Only in 3" valve  
\*\* One in 2" valve

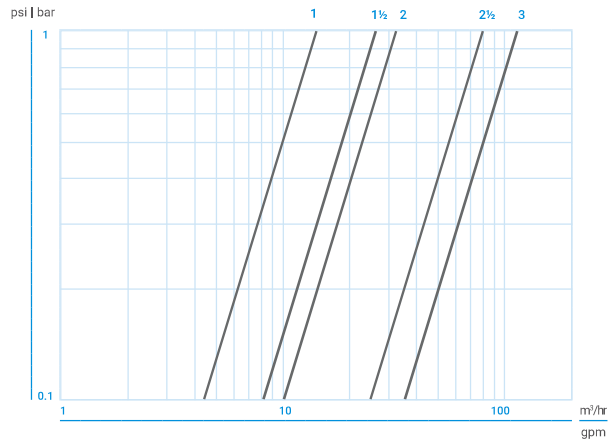
Inlet Connector - Socket Glued / Outlet Connector - Socket Glued

nom size	bsp (TPI)	npt (TPI)	DK (mm)	D (mm)	I (mm)	L (mm)	LT (mm)	E (mm)	H (mm)
32mm	32.00	32.00	24.50	69.00	20.20	55.50	110.00	71.00	66.50
50mm	50.00	50.00	39.50	94.40	32.00	73.25	149.60	121.00	88.30
63mm	63.00	63.00	49.50	116.00	35.40	84.20	177.40	150.00	97.00
75mm	75.00	75.00	59.00	131.60	45.50	100.00	212.10	162.00	107.50
90mm	90.00	90.00	76.00	178.80	42.80	138.10	241.10	200.40	140.00

Inlet Connector - Socket Glued / Outlet Connector - Socket Glued

nom size	bsp (TPI)	npt (TPI)	DK (mm)	D (mm)	I (mm)	L (mm)	LT (mm)	E (mm)	H (mm)
1"	33.40	34.00	24.50	69.00	20.20	55.50	110.00	71.00	66.50
1½"	48.26	48.00	39.50	94.40	32.00	73.25	149.60	121.00	88.30
2"	60.33	60.00	49.50	116.00	35.40	84.20	177.40	150.00	97.00
2½"	73.03	75.00	59.00	131.60	45.50	100.00	212.10	162.00	107.50
3"	88.90	89.00	76.00	178.80	42.80	138.10	241.10	200.40	140.00

## → Head Loss



## → Catalog Numbers

Description	Catalog Number
NMV PVC BALL VLV 2 UNION 1" FFT BSP	77451-000150
NMV PVC BALL VLV 2 UNION 1½" FFT BSP	77451-000152
NMV PVC BALL VLV 2 UNION 2" FFT BSP	77451-000153
NMV PVC BALL VLV 2 UNION 2½" FFT BSP	77451-000154
NMV PVC BALL VLV 2 UNION 3" FFT BSP	77451-000155
NMV PVC BALL VLV 2 UNION 32MM SG ISO/D	77451-000200
NMV PVC BALL VLV 2 UNION 50MM SG ISO/D	77451-000202
NMV PVC BALL VLV 2 UNION 63MM SG ISO/D	77451-000203
NMV PVC BALL VLV 2 UNION 75MM SG ISO/D	77451-000204
NMV PVC BALL VLV 2 UNION 90MM SG ISO/D	77451-000205
NMV PVC BALL VLV 2 UNION 1" FFT NPT	77451-000220
NMV PVC BALL VLV 2 UNION 1½" FFT NPT	77451-000221
NMV PVC BALL VLV 2 UNION 2" FFT NPT	77451-000222
NMV PVC BALL VLV 2 UNION 2½" FFT NPT	77451-000223
NMV PVC BALL VLV 2 UNION 3" FFT NPT	77451-000224
NMV PVC BALL VLV 2 UNION 1" SG ASTM	77451-000250
NMV PVC BALL VLV 2 UNION 1½" SG ASTM	77451-000251
NMV PVC BALL VLV 2 UNION 2" SG ASTM	77451-000252
NMV PVC BALL VLV 2 UNION 2½" SG ASTM	77451-000253
NMV PVC BALL VLV 2 UNION 3" SG ASTM	77451-000254