

XA Series True Union Ball Valves

XLLINE™

PVC

SERIES: XA

SIZES: 1/2" – 4"¹

ENDS: Socket, Threaded, Flanged

SEALS: EPDM, FPM (Viton®)

SEATS: PTFE



Chemline's **XA Series** full-feature industrial True Union ball valves come with either electric or pneumatic actuators. The valves have actuator mounts as well as an integral base mounting pad for panel mounting. Extra manufacturing processes assure long trouble-free life. The valve label shows manufacturing number for production traceability.

Features

230 psi Working Pressure

- 230 psi for 1/2" to 2" valves
- 150 psi for 2-1/2" to 4" valves

True Union Design

- Installation and maintenance is easy
- Valves may be rotated 360° to position handle

Fully Blocking

- Downstream union nut may be safely disassembled for piping maintenance while valve is closed off under full pressure

PTFE Seats

- Heavy PTFE seats provide better sealing and longer life than lighter seats of other brands

Double Stem O-Rings

- Reduces the possibility of stem leakage

Full Port

- Low pressure losses

Traceable to Production

- Each valve has a manufacturing number

Built-in Spanner Wrench

- For removing or tightening the seat carrier

Base Mounting Pad

- Threaded inserts allow valves to be securely anchored



Pneumatic Actuation

Electric Actuation

¹ 1/2" and 3/4" valves are reduced 1" valves

features



Built in Spanner Wrench

- For removing or tightening the seat carrier
- All parts are replaceable



"Actuator Ready" with Mounting Kit

- Actuation is easy. Simply bolt on the standard ISO 5211 kit. Coupling for actuator to valve stem is included.



Lock-out

- Included
- Prevents rotation of stem



Base Mounting

- Threaded inserts allow valves to be securely anchored

options

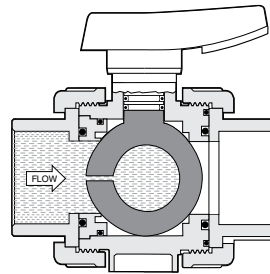
ChemFlare™ Ends

- For connection to PFA tube. Leak-free connections for difficult services such as sodium hypochlorite



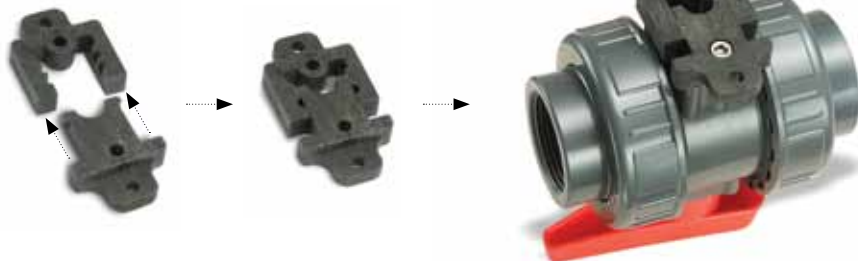
Vented Ball

- Recommended for all sodium hypochlorite services
- Valve shown in closed position

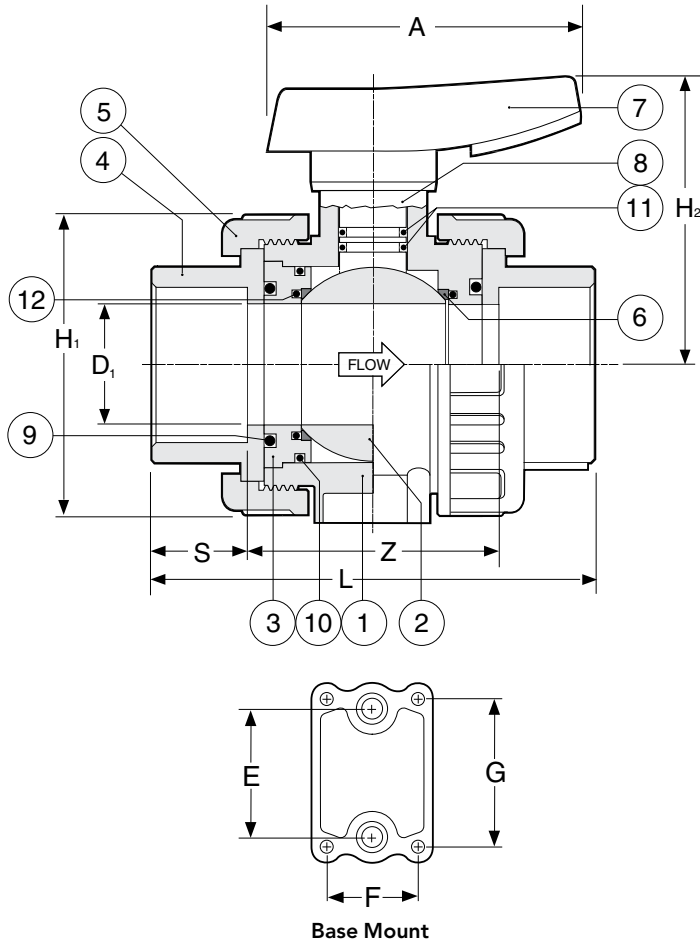


Panel Mounting Bracket

- Expandable bracket for mounting valve to panels. One bracket adjusts to accommodate all valve sizes.



XA Series True Union Ball Valves



PARTS

▲ Recommended Spare Parts

No.	Part	Pcs.	Materials
1	Body	1	PVC
2	Ball	1	PVC
3	Seat Carrier	1	PVC
4	End Connector	2	PVC
5	Union Nut	2	PVC
6▲	Ball Cushion	2	PTFE
7	Handle	1	ABS
8	Stem	1	PVC
9▲	Face O-Ring	2	EPDM, FPM (Viton®)
10▲	Carrier O-Ring	1	EPDM, FPM (Viton®)
11▲	Stem O-Ring	2	EPDM, FPM (Viton®)
12	Seat Cushion	2	EPDM, FPM (Viton®)

NET WEIGHTS LB.

Cv VALUES

Size	Socket Valves	USGPM@1 psi Pressure Drop
1/2"	0.29	15
3/4"	0.45	21
1"	0.66	55
1-1/4"	0.96	81
1-1/2"	1.47	126
2"	2.48	245
2-1/2"	4.60	364
3"	7.28	490
4"	13.04	700

DIMENSIONS INCHES

WORKING PRESSURES

PSI

Size	A	D	H ₁	H ₂	L _S Socket	L _T Thd	L _F Flanged	S Socket	Laying Length Z	Valve Base			0-25°C 32-77°F	40°C 104°F	60°C 140°F
										E	F	G			
1/2"	2.50	0.57	1.93	1.95	4.54	3.08	5.78	0.89	1.89	0.70	-	-	230	150	25
3/4"	2.84	0.78	2.35	2.30	4.54	3.58	6.72	1.00	2.09	0.85	-	-	230	150	25
1"	3.34	0.98	2.68	2.28	4.54	4.17	7.31	1.32	2.28	1.11	0.80	1.19	230	150	25
1-1/4"	3.87	1.25	3.15	3.00	5.20	4.76	8.12	1.67	2.68	1.40	0.95	1.50	230	150	25
1-1/2"	4.38	1.57	3.70	3.70	5.83	5.63	9.30	1.91	3.07	1.50	1.04	1.72	230	150	25
2"	4.92	1.97	4.53	4.53	6.67	6.65	10.44	2.38	3.66	1.75	1.22	2.12	230	150	25
2-1/2"	6.64	2.56	6.59	5.70	9.00	8.96	12.32	1.75	4.65	-	1.42	1.90	150	85	15
3"	6.64	2.82	6.59	5.70	9.23	9.49	13.65	1.87	5.51	-	1.42	1.90	150	85	15
4"	8.03	3.76	8.23	6.67	11.11	10.86	16.37	2.25	6.30	-	1.57	2.30	150	85	15

Maximum Temp. 60°C (140°F)

ORDERING EXAMPLE

VACUUM RATING

• 29.9 inches mercury (Full Vacuum)

XL Line™ XA Series PVC True Union Ball Valve	XA	A	020	E	S
Body Material	A – PVC				
Size	005 – 1/2" 007 – 3/4" 010 – 1" 012 – 1-1/4" 015 – 1-1/2" 020 – 2" 025 – 2-1/2" 030 – 3" 040 – 4"				
Seals	E – EPDM V – FPM (Viton®)				
Ends	S – Socket T – Threaded F – Flanged				

Example: XL Line™ XA PVC Actuated True Union Ball Valve, 2", with EPDM O-rings, socket ends.