ISOLATION VALVES

True Union Ball Check Valves - sharkfellow

Prevention of Backflow

Hydroseal Canada's sharkfellow True Union Ball Check Valves prevent reversal of flow in piping systems. They are ideal where backflow could potentially cause damage to pumps, filters, or process equipment.

Service-free Operation

Hydroseal Canada True Union Ball Check Valves operate without the need for any adjustments or settings. Line pressure moves the solid plastic ball off the elastomer seat, opening the valve. When the inlet flow stops, back pressure moves the ball back onto the seat – stopping the flow.

True Union Functionality

These valves feature a true union design. This allows for easy removal from a piping system without breaking down piping connections. Just unscrew the two assembly nuts and lift the valve body out of the system.

Corrosion-free

Because of their all-plastic construction, these valves will never jam or sick as a result of rust or corrosion. Also they will not contaminate sensitive fluids that come into contact with them.

Features

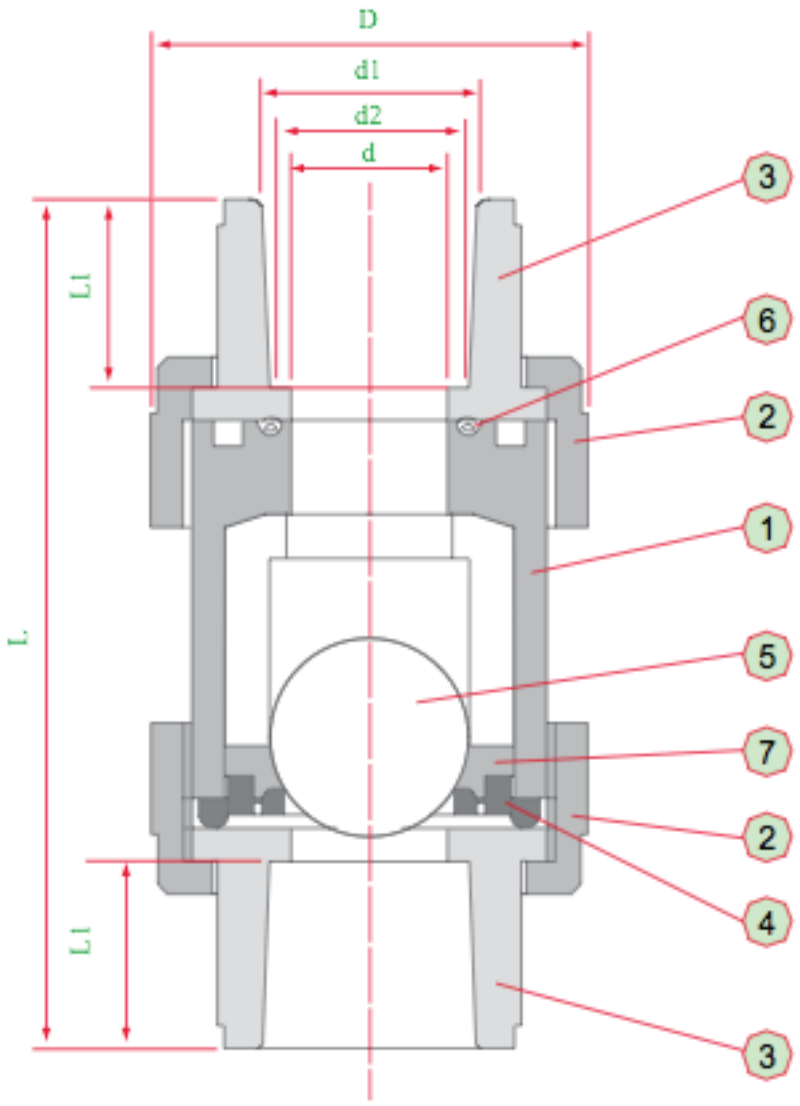
- Rated at 150 PSI
- Full Port Design to 2"
- True Union Design
- Easy Maintenance
- Viton or EPDM Seals
- Suitable for Vertical Use

Options

- Foot Valve Screens
- Viton or SBR Seats
- Teflon Ball
- Socket or Threaded Pipe Connectors
- Suitable for ASTM, DIN, JIS systems

Technical Information

CONSTRUCTION			
NO.	PARTS	PCS	MATERIALS
1	BODY	1	PVC,CPVC,PP
2	UNION NUT	2	PVC,CPVC,PP
3	UNION END	2	PVC,CPVC,PP
4	SEAT	1	EPDM,VITON,SBR
5	BALL	1	PVC OR TEFLON
6	SEALING O-RING	1	EPDM
7	GLAND	1	PVC.CPVC,PP



SIZE: 1/2" ~ 2"
JOINT END: THREADED (PT.NPT.BSPF)
SOCKET (ASTM.DIN.JIS)
WORKING PRESSUREE: 150 PSI

PART	NOMINAL SIZE	SOCKET, THREAD TYPE		ASTM	DIN	JIS	ASTM	DIN	JIS	UNIT OF MEASURE: MM		
		DN	d	d1	d1	d1	d2	d2	d2	L	L1	D
60049	1/2"	DN 15	15.4	21.54	20.30	22.30	21.23	19.90	21.78	97.30	22.30	53.80
60050	3/4"	DN 20	20.0	26.87	25.30	26.30	26.57	24.90	25.70	112.00	26.10	61.70
60051	1"	DN 25	25.1	33.66	32.30	32.33	33.27	31.90	31.67	132.20	30.10	69.60
60052	1 1/4"	DN 32	32.0	42.42	40.30	38.43	42.04	39.85	37.57	135.50	30.10	82.50
60053	1 1/2"	DN 40	40.0	48.56	50.30	48.46	48.11	49.85	47.54	160.60	36.00	93.80
60054	2"	DN 50	49.4	60.63	63.30	60.56	60.17	62.85	59.44	184.60	44.10	104.90

SELECTION CHART				
SIZE	MATERIAL	END CONN.	SEALS	PRESSURE RATING
1/2"~ 2"	CPVC	Socket or Threaded	Viton or EPDM	150 PSI @ 70F Non-Shock
1/2"~ 2"	PVC	Socket or Threaded		
1/2"~ 2"	PP	Socket or Threaded		

CV FACTORS			
SIZE	FACTOR	SIZE	FACTOR
1/4"	-	1 1/2"	90.0
3/8"	-	2"	140.0
1/2"	8.0	2 1/2"	-
3/4"	15.0	3"	-
1"	29.0	4"	-
11/4"	75.0	6"	-

Pressure Loss Calculation Formula

$$\Delta P = \left[\frac{Q}{Cv}\right]^2$$

ΔP = Pressure Drop
Q = Flow in GPM
Cv = Flow Coefficient

OPERATING TEMPERATURE/PRESSURE