



### Completely Re-engineered

Twenty-five years of advanced experience in molding, manufacturing, logistics, transportation, materials, application have gone into Hydroseal Canada's **kaplan** True Union Ball Valves. This valve is completely designed to address today's fast-paced world and global trade.

### True Union Functionality

Incorporating this tried-and-tested functionality, Hydroseal Canada has gone one step further. The **kaplan** valve may be retrofitted with spare parts from our unions, flanges and sharkfellow Ball Check Valve.

### Durability

With a combination of sixteen seals and two sturdy teflon seats, this valve is designed for superior performance. The seats are reversible so damages will not result in costly down-time.

### Actuator Ready

Similar to our other valves, **kaplan** may easily be converted to automated valves - in the field.

### Features

- Rated at 200 PSI
- Full Port Design
- Reversible PTFE Seats
- Low Maintenance
- Viton or EPDM Seals.
- Easily Retrofitted with Parts from WTF Flanges, Unions and Sharkfellow Valves.

### Options

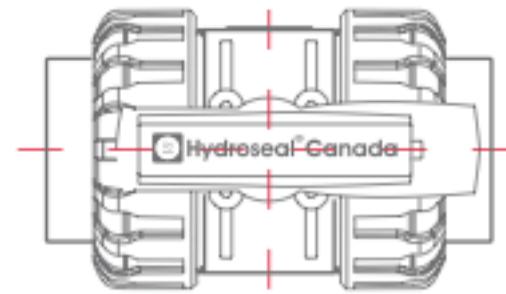
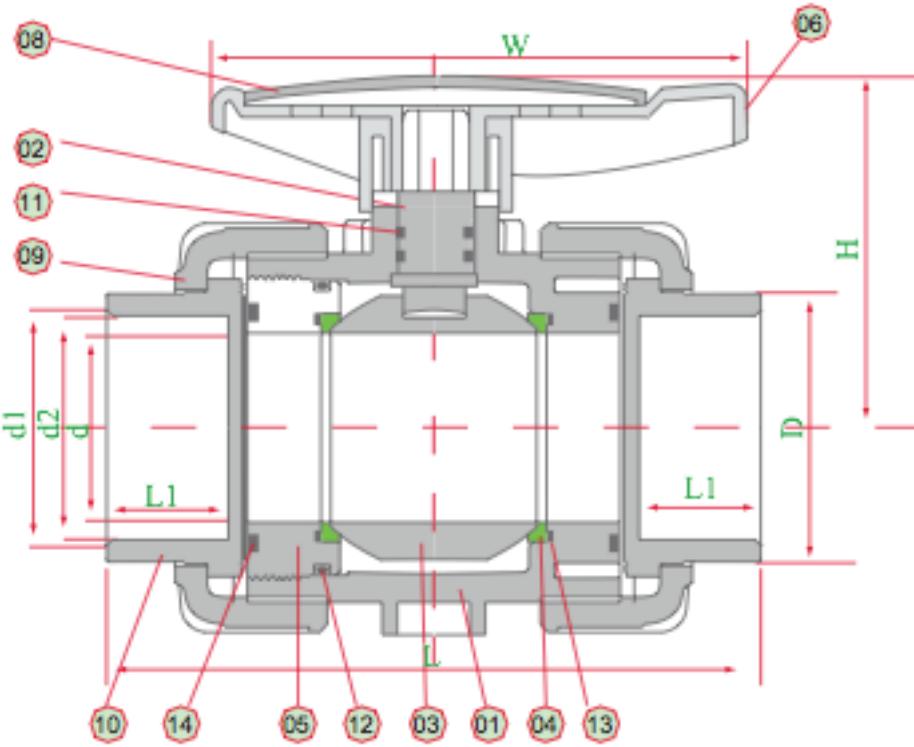
- Stem Extensions
- Lockouts (coming soon)
- Pneumatic Actuator Ready
- Electric Actuator Ready
- Socket or Threaded Connectors
- Suitable for ASTM, DIN, JIS Systems

# Technical Information

SIZE: 1/2" ~ 4"

JOINT END: THREADED (PT,NPT,BSPF)  
SOCKET (ASTM,DIN,JIS)

WORKING PRESSURE: 200 PSI



CONSTRUCTION			
NO.	PARTS	PCS	MATERIALS
1	BODY	1	PVC, CPVC
2	STEM	1	PVC, CPVC
3	BALL	1	PVC, CPVC
4	SEAT	2	TEFLON
5	THREADED SPACER	1	PVC, CPVC
6	HANDLE	1	ABS
7	HANDLE CAP	1	ABS
8	UNION NUT	2	PVC, CPVC
9	UNION SOCKET	2	PVC, CPVC
10	STEM O-RING	2	PVC, CPVC
11	SPACER SEAL	1	EPDM
12	END SEAL	2	EPDM
13	SPACER SEAL	2	EPDM

PART	NOMINAL SIZE	SOCKET, THREAD TYPE		ASTM	ASTM	DIN	DIN	JIS	UNIT OF MEASURE: MM							
		DN	D						d	d1	d2	d1	d2	d1	d2	L1
60017	1/2"	DN 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60018	3/4"	DN 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60019	1"	DN 25	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60020	1 1/4"	DN 32	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60021	1 1/2"	DN 40	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60022	2"	DN 50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60023	2 1/2"	DN 65	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60024	3"	DN 80	162.00	75.00	89.31	88.70	90.40	90.10	89.60	88.83	48.00	258.00	138.00	210.00	3.70	
60025	4"	DN 100	220.00	100.00	114.76	114.07	109.80	110.10	114.70	113.98	57.50	311.00	176.00	220.00	6.50	

SELECTION CHART				
SIZE	MATERIAL	END CONN.	SEALS	PRESSURE RATING
1/2"~2"	CPVC	Socket or Threaded	Viton or EPDM	200 PSI @ 70F Non-Shock
1/2"~4"	PVC or CPVC	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"	330.0
3/4"	15.0	3"	480.0
1"	29.0	4"	600.0
1 1/4"	75.0	6"	-

**Pressure Loss Calculation Formula**

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

$\Delta P$  = Pressure Drop  
 $Q$  = Flow in GPM  
 $C_v$  = Flow Coefficient

