



Features

- Rated at 150 PSI
- Teflon Seats
- EPDM Seals
- No Internal Parts to Replace
- Easy 1/4-Turn Operation
- NSF Listed
- Socket or Threaded Pipe Connections
- Suitable for ASTM, DIN, JIS systems

Rugged, Compact Design

Hydroseal Canada's rugged, compact all-plastic **quark** PVC Ball Valves incorporate many design features found only on higher cost ball valves. Features such as Teflon seats, full porting and a 150 PSI pressure rating are all standard on every size of Hydroseal Canada's range of Compact Ball Valves.

Cost-sensitive Applications

The Compact Ball Valve is perfect for applications that require a reliable ball valve at an economical price. The Compact valve has been designed and tested to make certain it will perform year in and year out in the most demanding applications without leakage or failure. The internal components of a Compact valve are completely encapsulated within the valve body in a one-step manufacturing process. There is absolutely no danger of leakage through assembled parts. This also means that the valve never requires adjustment since all internal components are sealed inside the one-piece valve body. The Compact valve is ready to be put into service right out of the box.

Lightweight and Compact

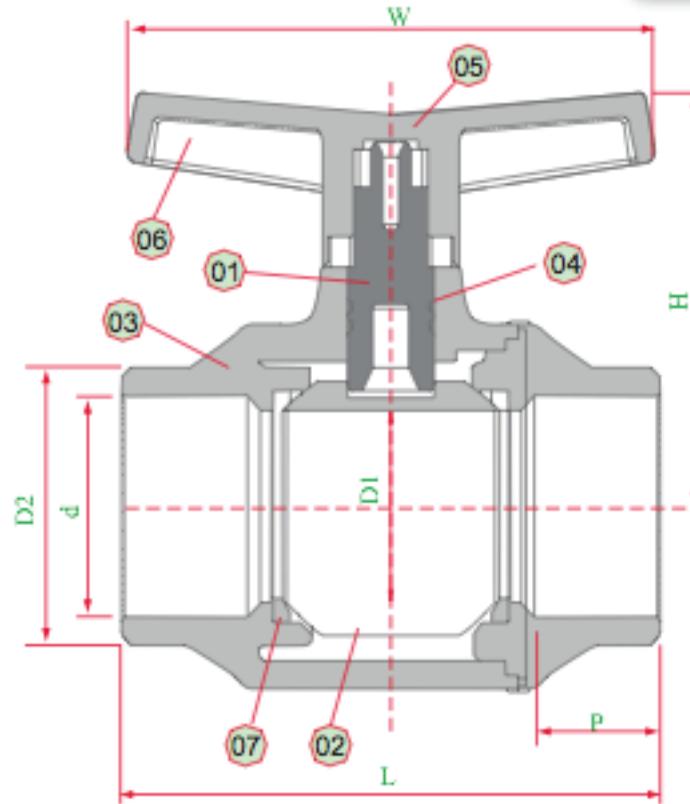
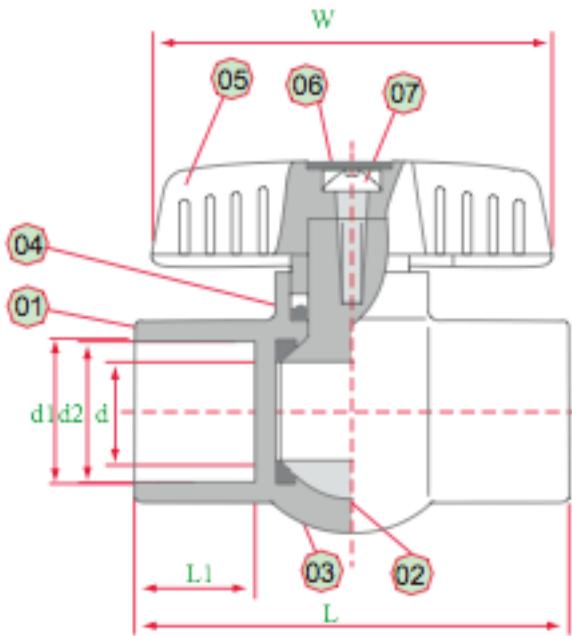
Hydroseal Canada Compact Ball Valves are designed to fit into space too small for other valves. They are about one-third the overall size of a plastic true union valve and they weigh an average of 50% less. This makes them ideal for skid-mounted and other applications where space and weight are critical considerations.

Can't Rust, Won't Corrode

The all-plastic construction means they will never fail, stick, or jam because of rusted or corroded parts - they will work in places and environments where metal valves must be painted or coated just to survive.

Technical Information

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



CONSTRUCTION			
NO	PARTS	PCS	MATERIALS
1	BODY	1	PVC, CPVC
2	STEM AND BALL	1	PVC, CPVC
3	SEAT	2	TEFLON
4	STEM O-RING	1	EPDM
5	HANDLE	1	ABS
6	CAP	1	ABS
7	BOLT	1	SUS304

SIZE: 2 1/2" ~ 4"
JOINT END: THREADED (PT.NPT.BSPF)
 SOCKET (ASTM.DINJIS)
WORKING PRESSURE : 150 PSI

PART	NOMINAL SIZE	SOCKET, THREADED TYPE		ASTM	JIS	DIN	ASTM	JIS	DIN	UNIT OF MEASURE: MM		
		DN	D	d1	d1	d1	d2	d2	d2	L	W	H
60003	1/2"	DN15	29	21.33	20.30	22.30	22.22	16.00	22.20	79	70	47
60004	3/4"	DN20	37	31.75	25.30	26.30	25.40	18.50	25.40	91	77	57
60005	1"	DN25	43	33.40	32.30	32.33	28.58	22.00	28.60	107	89	61
60006	1 1/4"	DN32	53	42.16	40.30	38.43	31.75	26.00	31.80	123	89	66
60007	1 1/2"	DN40	61	48.26	50.30	48.46	34.93	31.00	34.90	129	111	74
60008	2"	DN50	73	60.32	63.30	60.56	38.10	37.50	38.10	151	139	80
60009	2 1/2"	DN65	96	73.03	75.30	68.07	44.45	43.50	44.50	194	190	141
60010	3"	DN80	110	88.90	90.30	77.98	47.63	51.00	47.60	233	230	154
60011	4"	DN100	136	114.30	110.30	100.07	57.15	61.00	57.60	280	274	170
60013	6"	DN150	196	168.83	160.30	148.08	89.94	90.00	90.00	376	323	182

SELECTION CHART				
SIZE	MATERIAL	END CONN.	SEALS	PRESSURE RATING
1/2" - 2"	PVC, CPVC	Socket or Threaded	EPDM	150 PSI @ 70F Non-Shock
2 1/2" - 4"	PVC, CPVC	Socket or Threaded		

CV FACTORS			
SIZE	FACTOR	SIZE	FACTOR
1/4"	-	1 1/2"	110.0
3/8"	-	2"	217.0
1/2"	13.0	2 1/2"	304.0
3/4"	24.0	3"	452.0
1"	49.0	4"	510.0
1 1/4"	70.0	6"	-

Pressure Loss Calculation Formula

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

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

