

Features and Benefits

- Thermoplastic design eliminates process and atmospheric corrosion.
- Pressure rated up to 150 psi, non-shock water at 73° F.
- Socket dimensions meet ASTM requirements.
PVC: D-2467, D-2464
- Full port design – same I.D. as SCH 80 pipe – minimizes turbulence at high flow rates.
- Floating ball design for positive seal.
- True Union design permits easy removal of valve body for service.
- Bi-directional: can be installed in either direction.
- Handle can be removed and used as a tool to remove blocking carrier during valve disassembly. The carrier is threaded into the body and can be tightened to adjust for seat wear. Valve cartridge must be removed from system for maintenance.



The 050N Series answers the need for a high quality, economically priced, true union ball valve for use in light industrial, water treatment, pool/spa, and commercial plumbing applications. Available in 1/2 - 3" sizes.



050N SERIES TRUE UNION BALL VALVE

NOTE: For larger sizes, material options, or actuation, see the Colonial 101N Series Full Block True Union Ball Valve.

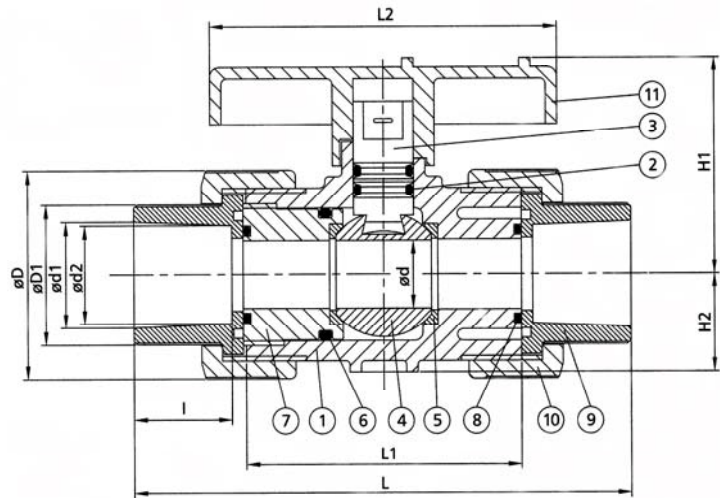
Printed in USA 5-2008



CUSTOMER SERVICE: 6400 Corporate Ave., Portage, MI 49002
Toll-free (800)374 0234, Phone (269)323 2495, Fax (269) 323 0630 www.colonialengineering.com

Size	PVC/EPDM	PVC/Viton®
1/2"	V07050N	V07051N
3/4"	V08050N	V08051N
1"	V10050N	V10051N
1-1/4"	V14050N	V14051N
1-1/2"	V17050N	V17051N
2"	V20050N	V20051N
2-1/2"	V27050N	
3" (SxS)	V30050N	
3" (TxT)	V30150N	

1/2 – 2-1/2" Sizes include both
Socket and Threaded End
Connectors



	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"
d1	3/4	1	1-5/16	1-5/8	2	2-3/8	2-5/8	3-3/16
d2	3/4	1	1-5/16	1-5/8	1-7/8	2-3/8	2-9/16	3-1/8
I	3/4	1	1-3/16	1-1/4	1-3/8	1-1/2	1-9/16	1-11/16
D	1-3/4	2-3/16	2-5/8	3-1/4	3-7/8	4-3/4	4-15/16	5-11/16
D1	1-1/4	1-1/2	1-3/4	2-1/8	2-1/2	3-1/8	3-1/4	3-13/16
d	1/2	3/4	1	1-3/16	1-1/2	1-7/8	2-3/16	2-7/16
L	4-7/16	5-3/16	5-5/8	6-9/16	6-3/4	8-1/8	9-5/8	10-11/16
L1	2-5/16	2-3/4	3	3-7/16	3-5/8	4-7/16	4-13/16	5-9/16
L2	3	3-5/8	4	4-5/16	4-3/4	5-3/4	6-3/8	7-15/16
H1	1-7/8	2-1/4	2-5/8	3	3-1/2	4-1/4	4-1/8	4-5/8
H2	3/4	1	1-1/3	1-1/2	1-5/8	2		

NO.	Part	Material	Quantity
1	Body	PVC	1
2	Stem O-Ring	EPDM, Viton®	2
3	Stem	PVC	1
4	Ball	PVC	1
5	Seat Seal	PTFE Teflon®	2
6	Carrier O-Ring	EPDM, Viton®	1
7	Seal Carrier	PVC	1
8	Union O-Ring	EPDM, Viton®	2
9	End Connector	PVC	2
10	Union Nut	PVC	2
11	Handle	ABS, PP	1

Temperature Derating:

Temp (°F)	PVC
73	1
80	0.88
90	0.75
100	0.62
110	0.5
120	0.4
130	0.3
140	0.22
150	NR
160	NR

Viton® is a registered trademark of DuPont Dow Elastomers.
Teflon® is a registered trademark of DuPont Dow Elastomers.