

## Features and Benefits

- Lightweight, thermoplastic design resists process and atmospheric corrosion.
- Pressure rating 150 psi max for 1-1/2 - 4", (non-shock water at 73° F).
- Blue ABS impact resistant molded, replaceable handle
- PVC with EPDM o-rings and seats.
- Blocked seat carrier

*NOTE: For industrial and chemical process piping, Colonial recommends the Full Block® Series TUBV with Teflon® Seats., and Full Port Sch 80 design.*

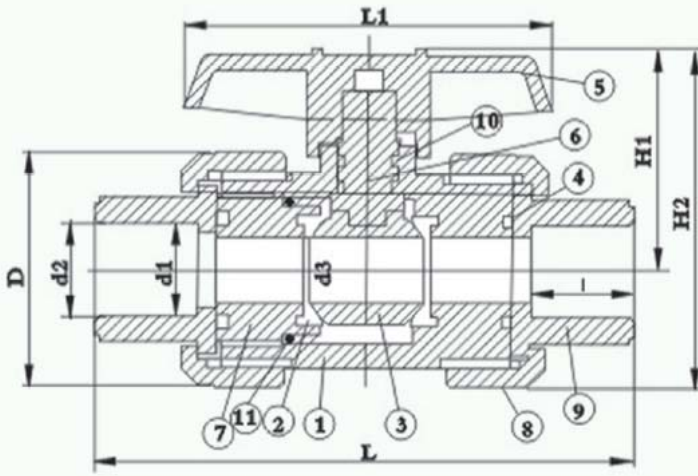


Designed for swimming pool, pond, irrigation, and other water applications with low concentrations of chlorine or other additives.



801 SERIES ECONOMY TRUE UNION BALL VALVE

REV\_093011



Materials

ITEM	DESCRIPTION	MATERIAL
1	Body	PVC
2	Seat Seal	TPE
3	Ball	PVC
4	O-rings	EPDM
5	Face o-rings	ABS
6	Stem	PVC
7	Carrier Seal	PVC
8	Union Nuts	PVC
9	End Connectors	PVC
10	Stem o-rings	EPDM
11	Carrier o-rings	EPDM

Dimensions

SIZE	1-1/2"	2"	2-1/2"	3"	4"
l	1.38	1.73	1.73	2.05	2.36
ø d 1	1.89	2.37	2.87	3.49	4.49
ø d 2	1.91	2.39	2.89	3.52	4.52
ø d 3*	1.53	<b>1.83</b>	2.28	<b>2.93</b>	<b>3.52</b>
ø D	3.74	4.47	5.26	6.61	7.67
L	6.89	8.19	8.41	9.82	11.30
L 1	4.72	5.51	6.30	7.09	7.89
H1	3.54	4.09	4.82	5.91	6.59
H2	5.35	6.30	7.45	9.22	9.24

Temperature / pressure de-rating

Temp (°F)	PVC
73	1.00
80	.88
90	.75
100	.62
110	.50
120	.40
130	.30
140	.22
150	NR
160	NR

\*Note: Sizes 2, 3, & 4" are reduced port. The wall thickness of the end connectors for certain sizes of the 801 series is less than Sch 80 wall. The 801 Series valves meet 150 psi pressure rating, but should not be considered Sch 80 valves. For Full Port, Sch 80 valves, 1/2 - 4", please see Colonial's Industrial Series Full Block® TUBVs.

Size	Part Number	Master Ctn Qty	Working Pressure*	Replacement Handles
Socket & Threaded End Connectors				
1-1/2"	V17801N	24	150 psi	V17801K
2"	V20801N	12	150 psi	V20801K
2-1/2"	V27801N	6	150 psi	V27801K
Soc x Soc				
3"	V30801N	4	150 psi	V30801K
4"	V40801N	1	100 psi	V40801K
TxT				
3"	V30811N	4	150 psi	V30801K
4"	V40811N	1	100 psi	V40801K

\*non-shock water at 73°F



**COMPRESSED AIR WARNING**

The products in this document are only intended for use in transferring or storing chemically compatible pressurized liquids. **Do not test or use products in this document with compressed air or other gases.** Doing so is dangerous and could cause injury or great bodily harm should a system fail under compressed air. Only use products that are specifically designed for compressed air/gas service. Call Colonial technical service for more information.

AIR/GAS