

## SUBMITTAL SHEET

JOB NAME	ITEM TAG
JOB LOCATION	PART NUMBER
CONTRACTOR	DATE
ENGINEER APPROVAL	DATE

# UPVC TRUE UNION BALL VALVE

## T/S-603, S-603, and T/S-603V

Constructed of heavy-duty, high-impact, virgin UPVC resin.

Designed for commercial or industrial Schedule 80 or Schedule 40 piping applications.

Ideal for swimming pool, process/wastewater or corrosive installations.

True union design permits ease of body segment removal, for maintenance or repair.

Removable handle can be used as a carrier wrench for body disassembly and access to the internal components.

Central mounting pad with pre-drilled fastener holes is ideal for panel-mount or actuation attachment (sizes 1/2" to 2" only).

Not suitable for use with petroleum-based medias or compressed-air service.

Sizes 1/2" - 2" include both threaded and solvent-weld end adapters (two each). Sizes 2-1/2" - 4" are equipped with solvent-weld end adapters only. Threaded adapters are available separately.

### Working Pressure, Non Shock (PSI)

Cold Working Pressure (CWP):	150 psi @ 73°F
Working Steam Pressure (WSP):	Not suitable for steam service
Maximum Service Temperature:	140°F

MATERIAL SPECIFICATION		
PART	MATERIAL	SPECIFICATION
1	Body	UPVC resin ASTM D1784, Class 12454
2	Stem O-rings (2)	EPDM or Viton* elastomers** Commercial grade
3	Stem	UPVC resin ASTM D1784, Class 12454
4	Ball	UPVC resin ASTM D1784, Class 12454
5	Seats (2)	PTFE elastomer Commercial grade
6	Carrier O-ring	EPDM or Viton* elastomers** Commercial grade
7	Seat Carrier	UPVC resin ASTM D1784, Class 12454
8	Union O-rings (2)	EPDM or Viton* elastomers** Commercial grade
9	End adapters (2)	UPVC resin ASTM D1784, Class 12454
10	Union nuts (2)	UPVC resin ASTM D1784, Class 12454
11	Handle	ABS resin Impact grade

\*Viton is a registered trademark of the Dow DuPont Company.  
\*\*Models T/S-603 and S-603 are equipped with EPDM O-rings. Model T/S-603V is equipped with Viton O-rings.

### Standards:

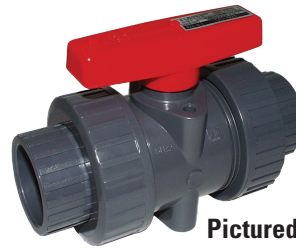
ASTM F1970: Standard Specification for Special Engineered Fittings, Appurtenances or Valves for use in Poly (Vinyl Chloride) (PVC) or Chlorinated Poly (Vinyl Chloride) (CPVC) Systems.

ASTM D2467: Standard Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80.

ASTM D1784: Standard Specification for Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds

ASTM F1498: Standard Specification for Taper Pipe Threads 60° for Thermoplastic Pipe and Fittings.

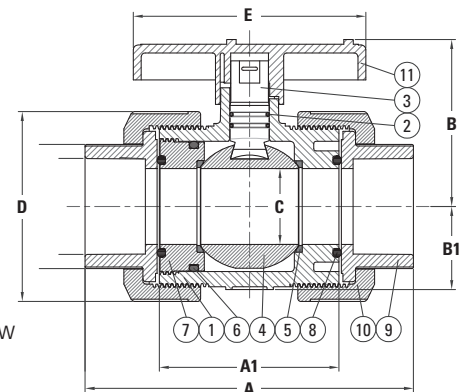
ANSI/ASME B1.20.1: Pipe Threads, General Purpose, Inch.



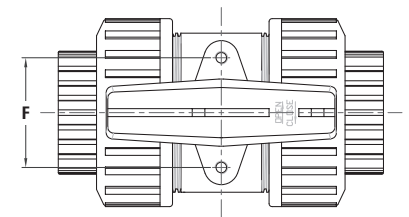
**Pictured:  
T/S-603  
1/2" - 2"**



**Pictured:  
S-603  
2-1/2" - 4"**



**Pictured:  
T/S-603  
Cut-away View**



**Pictured:  
T/S-603 (1/2" - 2")  
Top View  
Mounting Pad Detail**

### DIMENSIONS - Inch

Nominal IPS	A	A1	B	B1	C	D	E	F
1/2"	4.49	2.36	1.85	0.83	0.51	1.83	3.07	1.18
3/4"	5.32	2.87	2.24	1.02	0.71	2.17	3.62	1.30
1"	5.87	3.11	2.60	1.30	0.91	2.60	3.94	1.58
1-1/4"	6.61	3.47	2.91	1.54	1.18	3.23	4.33	1.85
1-1/2"	6.89	3.74	3.43	1.61	1.50	3.85	4.76	2.05
2"	8.19	4.49	4.17	2.09	1.89	4.72	5.79	2.76
2-1/2"	10.83	5.43	4.57	n/a	2.40	5.51	7.09	n/a
3"	11.97	6.22	5.12	n/a	2.72	6.42	8.82	n/a
4"	13.07	6.93	7.01	n/a	3.90	8.86	10.95	n/a