LEGEND®
PLUMBING • INDUSTRIAL • COMMERCIAL • HYDRONICS

SUBMITTAL SHEET

JOB NAME | ITEM TAG

JOB LOCATION | PART NUMBER

CONTRACTOR | DATE

ENGINEER APPROVAL | DATE

UPVC COMPACT-PATTERN BALL VALVE FOR UPVC SCHEDULE 80 PIPE

T/S-602

Constructed of heavy-duty, corrosion-proof, virgin UPVC resin.

PTFE seats and EPDM stem O-ring assure maintenance-free operation and maximum service life.

Compact-pattern molded-in-place body and one-piece ball-stem design, provide exceptional resistance to wear and to pipeline stress distortion.

Designed and certified for installation onto Schedule 80 UPVC pipe for potable water applications, or any application requiring the use of the high-impact-resistant UPVC resin in pipeline, fitting and valve systems.

Threaded or solvent-weld end connection types, available in Nominal Pipe Sizes 1/2" to 2"



Pictured:
T-602



Pictured:
S-602

Working Pressure, Non Shock (PSI)

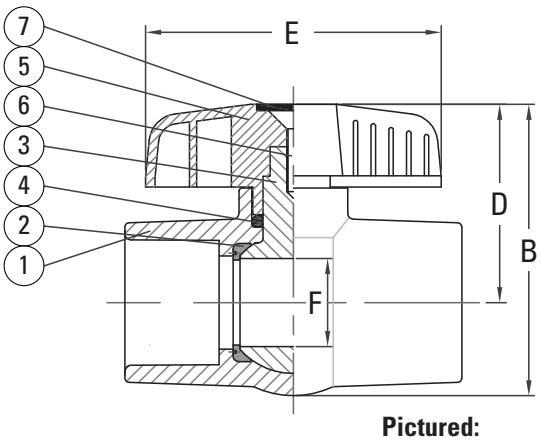
Cold Working Pressure (CWP):	150 psi @ 73°F
Working Steam Pressure (WSP):	Not suitable for steam service
Maximum service temperature:	140°F

MATERIAL SPECIFICATION

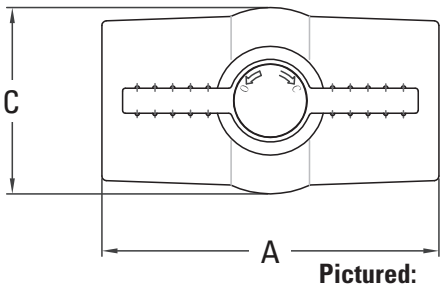
	PART	MATERIAL	SPECIFICATION
1	One-piece body	UPVC resin	ASTM D1784, Class 12454
2	Seats (2)	PTFE elastomer	Commercial Grade
3	One-piece ball-stem	UPVC resin	ASTM D1784, Class 12454
4	Stem O-ring	EPDM elastomer	Commercial grade
5	Handle	ABS resin	Impact grade
6	Handle Retaining Screw	Zinc-plated steel	ASME B18.6.7M
7	Screw cover	ABS resin	Impact grade

DIMENSIONS - Inch

Nominal IPS	A	B	C	D	E	F
1/2"	3.27	2.50	1.46	1.77	2.76	0.55
3/4"	3.78	3.09	1.93	2.13	3.46	0.79
1"	4.21	3.72	2.24	2.60	3.94	0.98
1-1/4"	4.49	3.88	2.48	2.64	3.94	1.18
1-1/2"	5.12	4.47	2.95	2.99	4.29	1.42
2"	5.75	5.31	3.62	3.50	5.28	1.83



Pictured:
T/S-602, 1/2" - 2"
Cut-away view



Pictured:
T/S-602, 1/2" - 2"
Top view

Certifications/Listings:

Third-party Certified

NSF/ANSI 61: Drinking Water System Components - Health Effects.

NSF/ANSI 14: Plastic Piping System Components and Related Materials.

NSF/ANSI 372: Drinking Water System Components - Lead content.

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

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

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

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