



THERMOPLASTIC VALVES INC.

**ARRANGEMENT DRAWING
STRONG UNION BALL VALVE**

SIZE: 6"

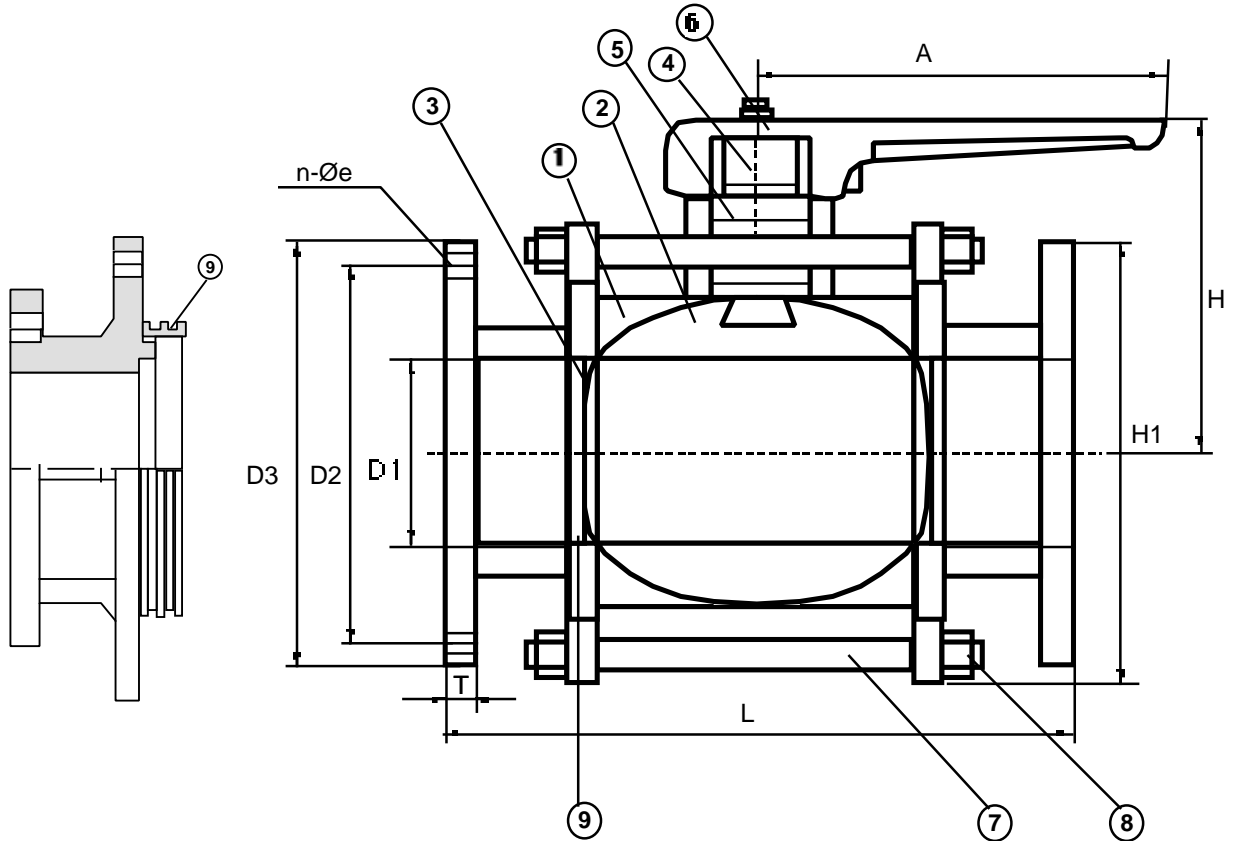
53 S. 7th Street, Emmaus, PA 18049
 Ph: 610-967-6388 Fax: 610-967-6448
 Email: tvi2@fast.net
www.plasticvalves.com

**DWN BY
CKP**

**DATE
1-96**

**DWG NO.
107-SUBV**

**CERTIFIED
CORRECT FOR GENERAL DIMENSIONS** Date _____ Per: _____



Materials of Construction

Item	Parts	Pcs	Materials	Item	Parts	Pcs	Materials
1	Body	1	PVC,PP,PVDF	5	O-Ring	2	EPDM, VITON®
2	Ball	1	PVC,PP,PVDF	6	Handle	1	CAST IRON,EPOXY COATED
3	Seat	2	TEFLON®	7	Bolt	10 Sets	SUS 304
4	Shaft	1	PVC,PP,PVDF	8	Nut	10 Sets	SUS 304
VITON® and TEFLON® are trademarks of DuPont Performance Elastomers				9	O-Ring	4	EPDM,VITON®

Ansi Dimensions

Size Inch	D ₃	D ₂	D ₁	H	H ₁	L	n	e	T	A	*Test Press (PSI)	Working Press (PSI)
6"	11	9 1/2	5 7/8	8	12 3/8	15 1/2	8	.87	3/4	13	150	125

Testing Procedure: Every valve is tested for bubble tight shutoff prior to leaving the factory. Pressure testing performed on PVC/EPDM valves at 73° water temperature, non-shock.

TVI STRONG UNION BALL VALVE (5-5/8" DIA. PORT)

6" Flanged only

DESIGN SPECIFICATION

Thermoplastic Strong Union Ball Valve 6" flange type is a two piece body design. Full round ball with 5-5/8" I.D. port. Valve stem is of the blow-out proof design. Stem has an internal pressure sealed land to protect stem and stem seal from contaminants. Body parts are connected by 304 S.S. bolting sets. Seats are TFE and easily replaceable.

BODY - BALL - STEM

PVC,ASTM D-1784
PP,ASTM D 4101
PVDF, ASTM D-3222

SEAT

Telfon® (Dupont Dow Elastomers)

SEALS

EPDM, Ethylene Propylene Diene Monomer
Fluorocarbon, Viton® (Dupont Dow Elastomers)

HARDWARE

304 S.S.

LEVER

Cast iron, epoxy coated

Note: Not recommended for compressed air or gas service