



**THERMOPLASTIC  
VALVES INC.**  
COMPACT BALL VALVE

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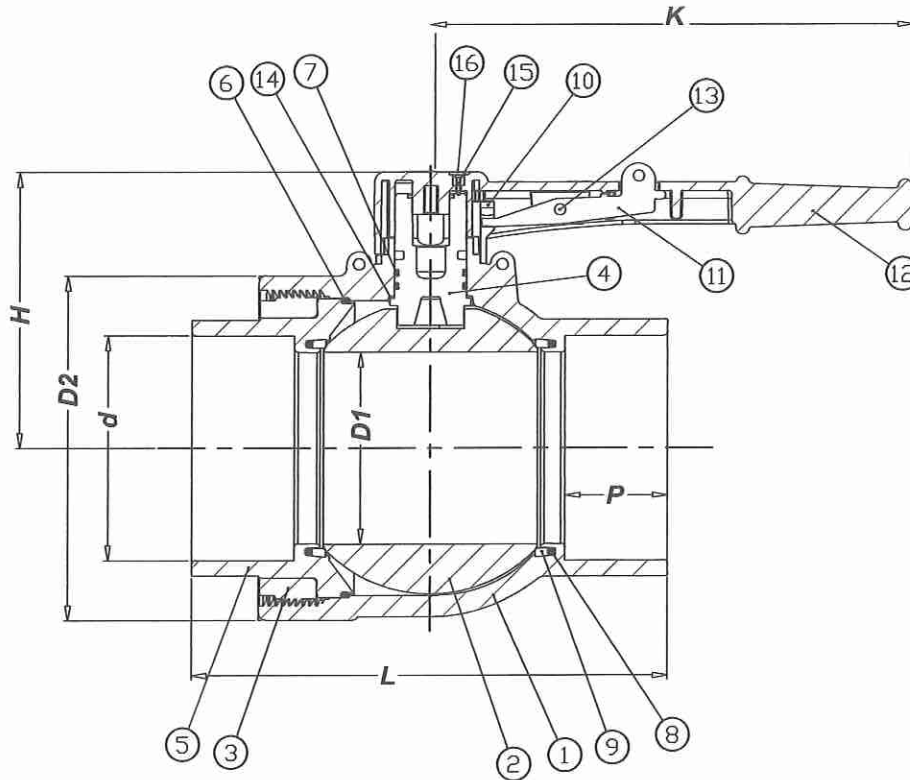
SIZE: 6"

DWN BY  
CKP

DATE  
12-2013

DWG NO.  
110-CB

CERTIFIED CORRECT FOFR GENERAL DIMENSIONS  
DATE \_\_\_\_\_ PER: \_\_\_\_\_



**Material Of Construction**

Item	Parts	Pcs	Materials	Item	Parts	Pcs	Materials
1	Body	1	UPVC	9	Seat	2	PTFE
2	Ball	1	UPVC	10	Activities Jumper	1	UPVC
3	Seat Carrier	1	UPVC	11	Handle Lever	1	PP
4	Stem	1	UPVC	12	Handle	1	PP
5	End Connector	1	UPVC	13	Jumper	1	PP
6	Seat Carrier O'ring	1	EPDM	14	Washer	1	PP
7	Stem O'ring	2	EPDM	15	Bolt	1	SUS 304
8	Body O'ring	2	EPDM	16	Cap	1	PP

**Ansi Dimensions**

Size Inches	D1	d socket	d thread	P	L	K	H	Test Pressure	Working Pressure
6"	5.9	6.65	5.9	3.03	14.04	14.23	8.15	225	150

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

# TVI COMPACT BALL VALVE (6")

## DESIGN ADVANTAGES

Economically priced  
Light weight & maintenance-free makes for an easy installation  
Durable construction, low torque with self lubricating Teflon® seat  
Body Construction - light Weight, chemical resistant, non-corrosive

## APPLICATIONS

Water and Waste Treatment  
Chemical Industry  
Environmental Industry  
Process Industry  
Systems Engineering

## DESIGN SPECIFICATIONS

Thermoplastic compact ball valve (6") shall have a one piece PVC molded body with socket or threaded end connections. Valve is full port for lowest possible pressure loss. Seat shall be comprised of Teflon® and seal of EPDM. Every valve is fully pressure and cycle tested to insure quality. Valve shall have a one piece self centering ball and stem design for leak tight operation. Material of construction shall be as follows:

### BODY, BALL & STEM

PVC, ASTM D-1784

### SEAT

PTFE (Polytetrafluoroethylene), Teflon® (Dupont Dow Elastomers)

### SEALS (o'rings)

EPDM, Ethylene Propylene Diene Monomer

### MANUAL LEVER

ABS D-1788

End connectors shall conform to the following standards:

### SOCKET

ASTM-D2467 (PVC, SCH-80)

### THREADED

ASTM-D2464 (PVC, SCH-80)