

TVI THERMOPLASTIC VALVES INC.

6" & 10" CHECK VALVES

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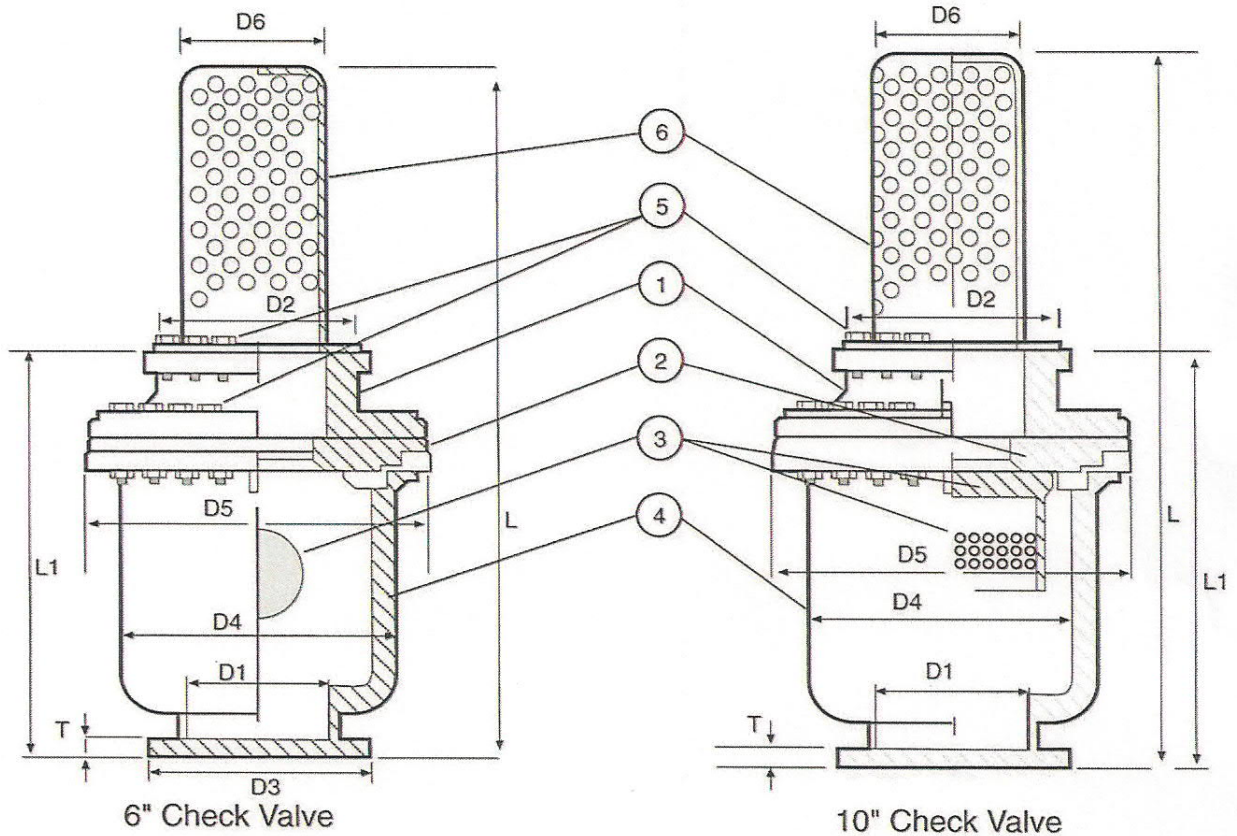
SIZE: 6" & 10"

**DWN BY
CKP**

**DATE
1-96**

**DWG NO.
103-BC**

CERTIFIED
CORRECT FOR GENERAL DIMENSIONS Date _____ Per: _____



Materials of Construction

Item	Parts	Pcs	Materials
1	Flange End	1	6" PVC (10"-PPG)
2	Seal	1	EDPM, VITON®
3	Ball (6") screen (10")	1	6" PVC(10"-PVDF)
4	Body	1	6" PVC(10"-FRP)
5	Hardware		304 SS
6	Foot Valve Assembly	1	PVC

VITON® is a trademark of Dupont Dow Elastomers.

Ansi Dimensions

Size Inch	D1	D2	D3	n	e	L	T	D4	D5	D6	L1	Working Pressure (PSI)
6"	5.91"	9.49"	11.10"	8	0.87	30.94"	0.91"	9.37"	14.37"	6.59"	18.70"	85
10"	9.48"	14.17"	16.14"	12	0.91	46.85"	1.34"	19.21"	23.62"	10.51"	27.05"	42

TVI BALL CHECK VALVES (6" AND 10")

DESIGN SPECIFICATIONS

Ball Check Valves (6") are of all thermoplastic construction, 10" bodies are fiberglass. The Body has full length ribs for maximum flow, minimum pressure drop, and to eliminate ball sticking and chatter. Ball is of solid thermoplastic material. In 6" size. In 10" size screen is PVDF. Seat is full circle and resilient. A molded gasket seal and seat enlarges seating surface and facilitates maintenance. Valves require less than one (1) PSI to open and 3 -5 PSI to close drop tight. Valves are capable of installation in either vertical or horizontal pipe run. Valves become foot valves by attaching a screen assembly.

BODY/UNION NUT / END CONNECTORS

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

BALL/SCREEN

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

SEAT/SEAL

EPDM, Ethylene - Propylene Diene Monomer
Fluorocarbon - Viton (Dupont Dow Elastomers)
Fluorel (3M Corp.)

End connectors shall conform to the following standards:

FLANGED ONLY

ANSI - B16.5 Class 150

Not recommended for compressed air or gas service.