

SUBMITTAL SHEET

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

BRONZE CONICAL-BALL CHECK VALVE

T/S-456

Threaded or sweat end connections available

Fully-guided conical-ball design provides a positive, drip-tight seal

Rotating, self-centering conical ball quickly seals, even in turbulent media flow

Spring-loaded silent closure operation

Exceptional, linear flow characteristics with minimal pressure drop

Ideal for hydronic heating applications

Durable steam-rated design

One-pound cracking pressure

Can be installed vertically or horizontally

Not for reciprocating air compressor installations

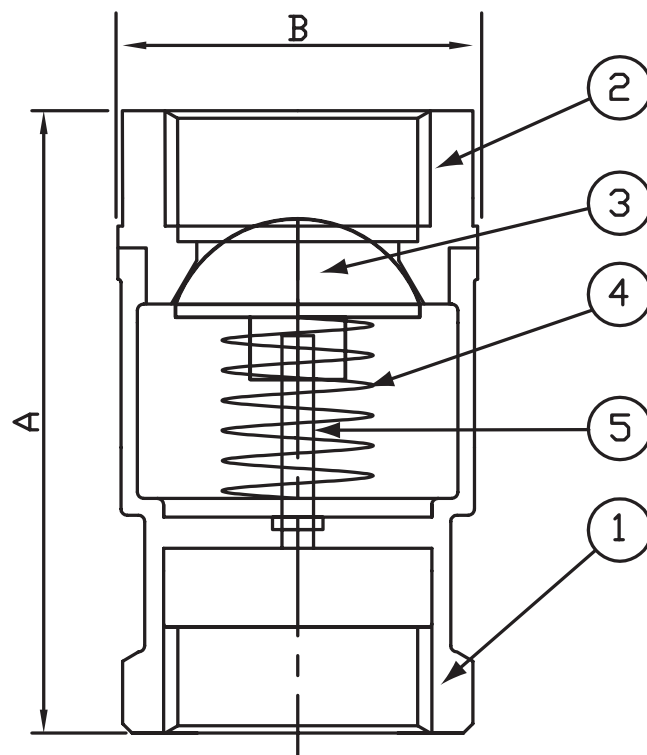
Working Pressure, Non-Shock (PSI)

Cold Water, Oil, Gas: 250

Saturated Steam: 125 WSP

Maximum service temperature: 300 degrees F at 20 PSI

- Conforms to MSS SP-80
- Female threaded ends comply with ANSI / ASME B1.20.1
- Solder cup ends comply with ANSI/ASME B16.18



MATERIAL SPECIFICATION

PART	MATERIAL	SPECIFICATION
1 Body	Cast Bronze	ASTM B584 UNS C84400
2 End adapter	Cast Bronze	ASTM B584 UNS C84400
3 Conical-ball	PTFE	Dupont Teflon*
4 Spring	Stainless Steel	AISI 302
5 Ball guide	Forged brass	ASTM B16 UNS C36000

*Teflon is a registered trademark of Dupont

DIMENSIONS—Inches

Size	A (IPS)	A (C x C)	B
1/2"	2.28	2.29	1.30
3/4"	2.60	3.07	1.57
1"	2.99	3.63	1.93
1-1/4"	3.31	4.09	2.24
1-1/2"	3.90	4.77	2.72
2"	4.94	5.65	3.23

DIMENSIONS—Millimeters

Size	A (IPS)	A (C x C)	B
1/2"	58	58	33
3/4"	66	78	40
1"	76	92	49
1-1/4"	84	104	57
1-1/2"	99	121	69
2"	125.5	143.5	82

**Pictured
T-456**