

SUBMITTAL SHEET

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

DUAL-CHECK BACKFLOW PREVENTER WITH ATMOSPHERIC VENT

T/S-459

Forged brass construction
Threaded or sweat true union end connections
Designed for continuous-pressure hot or cold water lines such as boiler feed or process equipment lines attached to the potable water supply.
Inlet screen reduces the chance of check fouling.
Intermittent emergency backflow protection up to 250 degrees F

Pressure Rating, Non-Shock (PSI)

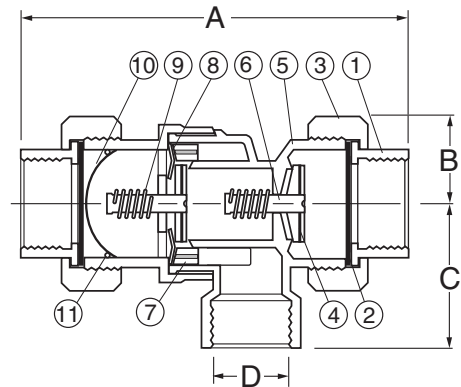
Saturated Steam: Not suitable for steam service
Maximum Water Pressure: 175 psi @ 210 F

Certified to ASSE Standard 1012
Certified to CSA Standard B64.3
Female pipe thread connections conform to ANSI / ASME B1.20.1
Sweat end connections conform to ANSI / ASME B16.18
Manufactured in an ISO 9002 accredited facility



MATERIAL SPECIFICATION

PART	MATERIAL	SPECIFICATION
1 Female adapter (2)	Forged brass	ASTM B124/124M UNS C37700
2 Adapter gasket (2)	EPDM	Commercial grade
3 Union nut (2)	Forged brass	ASTM B124/124M UNS C37700
4 Piston Seal	EPDM	Commercial grade
5 Body	Forged brass	ASTM B124/124M UNS C37700
6 Check piston (2)	Forged brass	ASTM B124/124M UNS C37700
7 Vent diffuser	Polyethylene plastic	Commercial grade
8 Seal membrane	EPDM	Commercial grade
9 Check piston spring (2)	Stainless steel	AISI 304
10 Debris screen	Stainless steel	AISI 304
11 Screen retainer	Phosphor bronze wire	ASTM B159 UNS C51000



T-459
Cut Away

DIMENSIONS

Size	A (IPS)	A (CTS)	B	C	D	Cv factor	Wt. (lb)
1/2"	4.125	4.25	0.90	1.50	1/2" FNPT	3.0 gpm	1.20
3/4"	4.125	4.88	0.90	1.50	1/2" FNPT	3.0 gpm	1.28