

SUBMITTAL SHEET

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

DUAL CHECK BACKFLOW PREVENTER WITH ATMOSPHERIC VENT

T/S/P-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°F.

Working Pressure, Non Shock

Saturated Steam:

Maximum Water Pressure:

(PSI)

Not suitable for steam service

175 psi @ 210°F

MATERIAL SPECIFICATION

PART	MATERIAL	SPECIFICATION
1 Body	Forged brass	ASTM B124 / UNS C37700
2 End adapter	Forged brass	ASTM B124 / UNS C37700
3 Union adapter (2)	Forged brass	ASTM B124 / UNS C37700
4 Union nut (2)	Forged brass	ASTM B124 / UNS C37700
5 Adapter gasket	EPDM	Commercial grade
6 Seal membrane	EPDM	Commercial grade
7 Check assembly	Various	-
8 Debris screen	Stainless steel	AISI 304
9 Press O-ring (4)	EPDM	Commercial grade

DIMENSIONS

Size	A (IPS)	A (CTS)	A (Press)	B	C	D	Cv (gpm)
1/2"	4.125	4.25	-	0.94	1.58	1/2" FNPT	3.00
3/4"	4.125	4.88	6.21	0.94	1.58	1/2" FNPT	3.00

Certifications / Listings:

Third-party certified.

ASSE 1012: Performance requirements for backflow preventers with an immediate atmospheric vent.

CSA B64.3: Backflow preventers and vacuum breakers.

Standards:

ANSI/ASME B1.20.1: Pipe threads, general purpose, Inch.

ANSI/ASME B16.18: Cast pressure alloy solder-joint pressure fitting

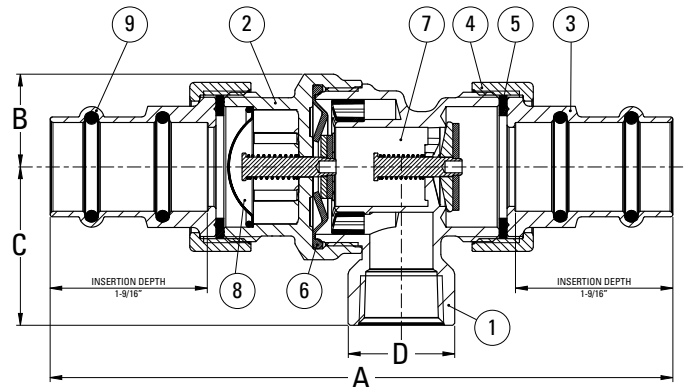
ANSI/ASME B16.51: Standard specification for copper and copper alloy press-connect pressure fittings.



Pictured:
P-459

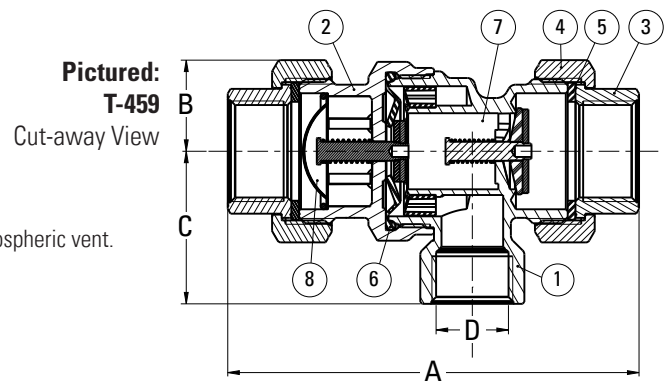


Pictured:
T-459



Pictured:
P-459

Cut-away View



Pictured:
T-459

Cut-away View