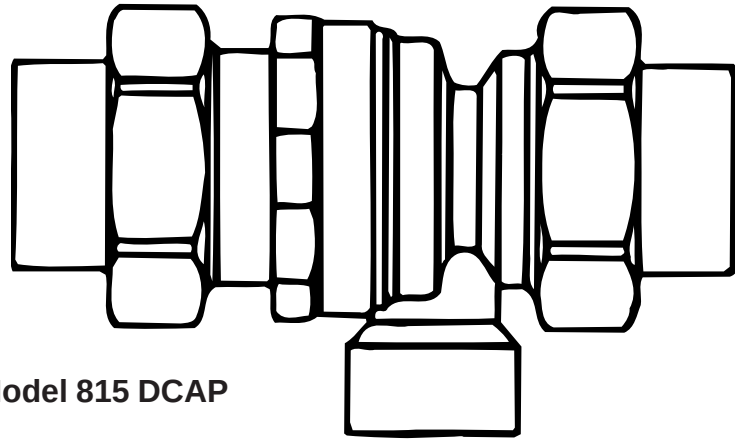
SPECIFICATION SHEET MODEL 815 (1/2" & 3/4")

FEBCO® BACKFLOW PREVENTION

Dual Check with Atmospheric Port (DCAP)



Model 815 DCAP

Features

- All bronze body.
- Two independently operating check valves with an intermediate atmospheric port.
- Working pressure 175 psi, with standing normal flow temperatures of 40°F to 210°F (4°C to 99°C).
- All rubber parts of temperature resistant.
- Designed for low head loss.
- Union connected for easy installation and maintenance. Also available with pip thread or solder connection.
- Internal cone strainer.

Description

The DCAP was designed to protect against backsiphonage and back pressure in cold and hot water continuous pressure applications. It consists of two independently operating check valves with an intermediate atmospheric port. The first check valve is housed within a sliding cartridge, which allows that port to open and close to atmosphere. In normal operation, the checks open with flow demand. During no-flow conditions, each check is designed to hold 1 PSI in the direction of flow.

Materials

The Model 815 DCAP has bronze body, stainless steel springs and all rubber parts are temperature resistant. Cone strainer material is stainless steel.

Typical Specifications

The DCAP shall consist of two independently operating check valves with an intermediate atmospheric port. Each check shall hold 1 PSI in the direction of flow. The DCAP Model 815 shall be rated to 175 PSI working pressure and shall withstand water temperatures of 40°F to 210°F with emergency backflow temperature of 250°F. The DCAP is designed for continuous operation and must conform to ASSE standard 1012.

Typical Applications

Non toxic Boiler feed lines, non-toxic laboratory equipment installations, sterilizers and other low hazard applications.

Installation

The Model 815 DCAP should be installed where it will be easily accessible for testing and maintenance with a suggested minimum clearance of 12” between device and floor grade. It should not be installed where discharge from port will be objectionable.

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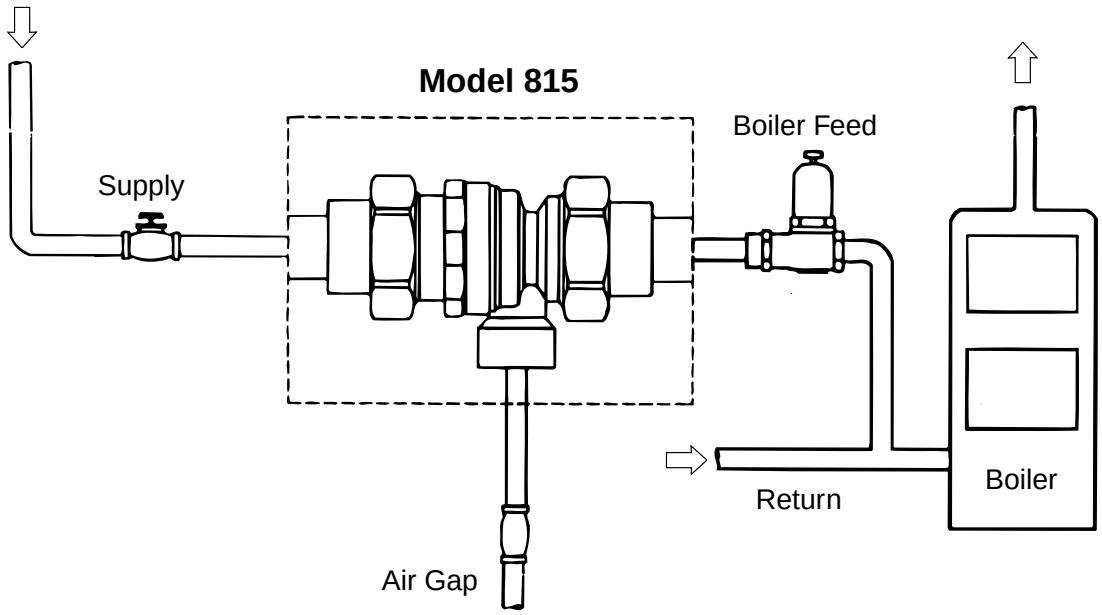
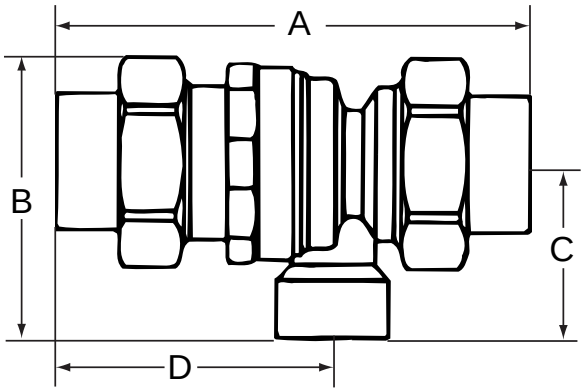
Typical Installation



Characteristics

Maximum working pressure	175 PSI
Temperature range	40° F to 210° F
Emergency backflow temperature	250° F
Fluid	Water
Valve body	Bronze
End Detail	1/2" and 3/4" union connection Also available with ANSI B2.1 taper pipetread or ANSI B16.22 copper tube solder joint.



Agency Compliance

ASSE Listed 1012
CSA

Dimensions and Weights

(U.S. Inches)

SIZE	A	B	C	D	Weight (lbs.)
1/2"	4"	2 1/2"	1 5/8"	2 1/2"	1.20
3/4"	4 1/8"	2 1/2"	1 5/8"	2 5/8"	1.22

Metric (mm)

SIZE	A	B	C	D	Weight (kgs.)
1/2"	103.58	62.74	41.45	63.20	.54
3/4"	104.95	62.74	41.45	66.37	.55

Note: Dimensions are nominal.
Allowances must be made for normal manufacturing tolerances.

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ISO 9001 Certified

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