

WARNING

Local building or plumbing codes may require modifications to the information provided. You are required to consult the local building and plumbing codes prior to installation. If the information provided here is not consistent with local building or plumbing codes, the local codes should be followed. This product must be installed by a licensed contractor in accordance with local codes and ordinances.

Model 9DS/LF9DS
Remove union connections before sweating

NOTICE

- The 9D/LF9D Dual Check with Atmospheric Vent is designed for use on non-health hazard, continuous pressure, point-of-use applications for protection against back-phorage and backpressure. Install in accordance with the local codes.
- For the best system performance, install on the fresh water feed line before any pressure regulators (such as the Watts Series 1156 on a residential boiler application). Flush the strainer every six months or as conditions require.
- Some discharge is expected, particularly on start-up, until all seating surfaces seal. Continuous discharge is an indication that the internal seating parts and surfaces may require cleaning.
- May be installed horizontally or vertically.
- Quick closing valves, water hammer or supply pressure fluctuations can cause intermittent discharge. The installation of a Water Hammer Arrestors (Watts Series LF05) or Water Pressure Regulator (Watts Series 1156 or 25AUB) may be required to correct the problem.

WARNING

It is important to install a discharge line downward from the vent to a floor drain, sump, or other safe place of disposal that will not result in property damage. A physical air gap must be maintained between the discharge line and the drain or sump. Create the air gap by cutting the pipe on a 45° bevel, at a distance of 12" maximum and a minimum of 1 1/2" above the floor. If used on boiler applications do not use an air gap fitting at face level so as to prevent personal injury from scalding water or steam. In no event should the vent opening or discharge line be plugged.

• If local codes require the device to be tested, it must be installed as shown in the drawing on the reverse side found under Field Testing Procedure.

For repair kits and parts, refer to our Backflow Prevention Products Repair Kits & Service Parts price list PL-RP-BPD found on Watts.com.



9D-M2

Double clapet anti-retour avec évent atmosphérique

Válvula de retención dual con ventilación atmosférica

Dual Check with Atmospheric Vent

LF9DM2, LF9DM3

Series 9DM2, 9DM3,

Installation Instructions • Instrucciones de instalación • Instructions d'installation

RP/IS-9D

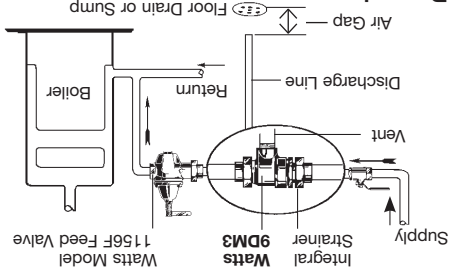
LIMITED WARRANTY: See Watts.com



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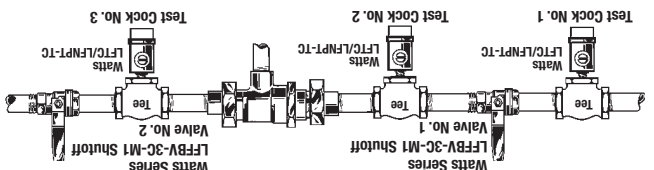
Boiler Installation



Field Testing Procedure

Series 9D Backflow Preventer with Intermediate Atmospheric Vent

EQUIPMENT REQUIRED: Valve must be installed per drawing and one (1) flexible hose with adapters furnished for testing.



Installation Providing for Field Testing

Test No. 1
 Purpose: To check operation of air break.
 Requirements: When supply pressure drops to atmospheric, air break must relieve pressure between both checks.
 Procedure: Close shutoff valves No. 1 and No. 2. Open test cock No. 2. Some water should drain from vent indicating that diaphragm has lifted off its seat and opened the chamber between the checks to atmosphere.

Test No. 2
 Purpose: To test for tightness of second check valve.
 Requirement: Second check must be drip tight when pressure is applied to downstream side of valve.
 Procedure: Close shutoff valves No. 1 and No. 2. Open test cock No. 1. Connect flexible hose from test cock No. 1 to test cock No. 3. Open test cock No. 1 and No. 3 admitting line pressure to downstream side of second check valve. Water must not drip continuously from vent. If water drips continuously from vent, second check is leaking.