

Engineering Specification

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

Series 9D

Dual Check Valve with Intermediate Atmospheric Vent

Sizes: 1/2" M3, 3/4" M2

Series 9D is specially made for smaller supply lines and ideally suited for laboratory equipment, processing tanks, sterilizers, dairy equipment and similar applications. It is particularly recommended for boiler feed lines to prevent backflow when supply pressure falls below system pressure.

Series 9D is suitable for use on hot or cold water and can be used under continuous pressure. It features a primary check valve utilizing a rubber disc seating against a mating rubber part to ensure tight closing. A secondary check valve utilizes a rubber disc-to-metal seating. In the event of fouling of the downstream check valve, leakage would be vented to atmosphere through the vent port thereby safeguarding the potable water system. Construction is bronze body with stainless steel working parts, integral strainer and durable rubber discs. Female union inlet and outlet connections. Sizes 1/2" and 3/4". Drain is 1/2" thread connection.

Features

- True line-sized construction allows the check modules to open further allowing dirt and debris to pass more freely reducing check fouling
- Stainless steel internal parts
- Maximum flow at low pressure drop
- Furnished with union connections to facilitate removal and replacement for maintenance
- Compact for economy combined with performance
- Design simplicity for easy maintenance
- Can be installed vertically or horizontally

Specifications

For Backflow Preventers with Atmospheric vents

A Dual Check Valve with Atmospheric Vent shall be installed at referenced cross-connections. Valve shall feature stainless steel and rubber internals protected by an integral strainer. Primary check shall be rubber to rubber seated, backed by the secondary check with rubber to metal seating. The device shall be ASSE approved under Std. 1012 and shall be a Watts Series 9D.

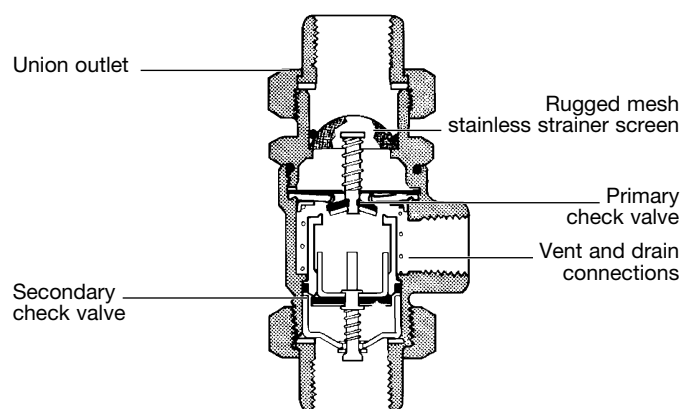
NOTICE

Inquire with governing authorities for local installation requirements



9D-M2

May also be installed vertically



Bronze body construction and stainless working parts throughout

Options

- S for 1/2" (15mm) union end solder connections.
- SC for satin chrome finish
- LU less union
- w/press**** Press inlet x x press outlet (non union)

NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

WARNING

It is illegal to use this product in any plumbing system providing water for human consumption, such as drinking or dishwashing, in the United States. Before installing standard material product, consult your local water authority, building and plumbing codes.

Materials

Bronze body construction

Stainless steel internal parts

Durable, tight seating rubber check valve assemblies

Pressure — Temperature

Temperature Range 33°F – 250°F (0.5°C – 121°C)

Maximum Working Pressure: 175psi (12.1 bar)

Minimum Required Pressure: 25psi (1.7 bar)

Standards

ASSE 1012

CSA B64

Approvals



Certified by CSA

N.Y.C. BSA 104-75-SM

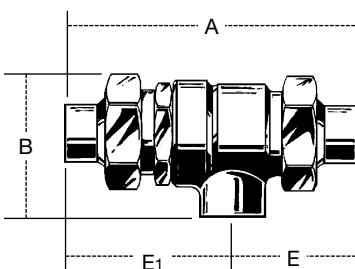
Viega ProPress® connections are optional factory installed fittings on each end of the approved/certified assembly.

Tested and approved Conformance with Standard 1012 of the American Society of Sanitary Engineers and by all principal cities, states and areas having these requirements.

NOTICE

This valve should only be used and properly installed so that spillage of water could not cause damage. To avoid water damage due to valve operation, a drain pipe must be installed. It should terminate approximate 12" (305mm) above a floor drain or through an air gap piped to a floor drain, or other suitable place of disposal. Under no circumstances, should the vent opening or drain line be plugged.

Dimensions — Weight

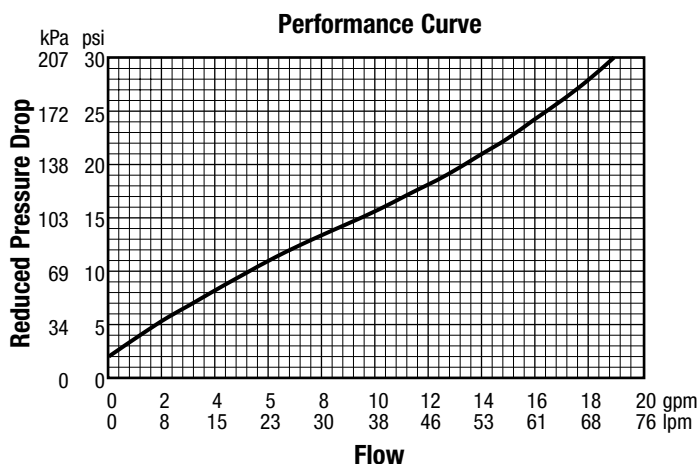


MODEL	SIZE	DIMENSIONS								WEIGHT	
		A		B		E		E1			
	<i>in.</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>lbs.</i>	<i>kg.</i>
9DM3	½	4 ¹⁵ / ₁₆	125	2 ⁹ / ₁₆	65	1 ¹⁵ / ₁₆	49	2 ⁹ / ₁₆	65	1½	.68
9DM3-S	½	4 ³ / ₈	111	2 ⁹ / ₁₆	65	1 ¹⁵ / ₁₆	49	2 ⁹ / ₁₆	65	1½	.68
9DM2	¾	4½	114	2 ⁹ / ₁₆	65	1 ¹⁵ / ₁₆	49	2 ⁹ / ₁₆	65	1¾	.79
9DM2-S	¾	4 ¹³ / ₁₆	122	2 ⁹ / ₁₆	65	2 ¹ / ₁₆	52	2¾	70	1¾	.79

Consult factory for dimensions with press fittings.



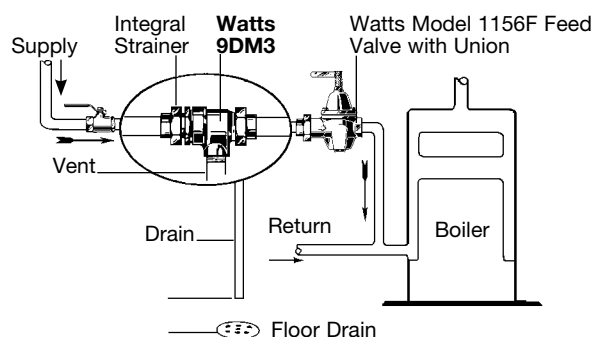
Capacity



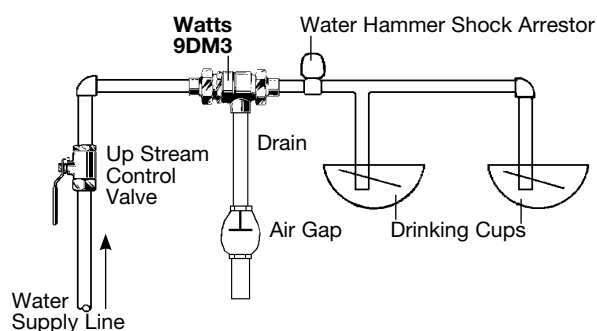
Installations

Boiler Installation

Watts 9DM3 Heating System Installation



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