Model SD3

Backflow Preventors for Carbonated Beverage Machines Installation Instructions

Sizes: ¼" – ⅜" (8 – 10mm)

Purpose

The Watts SD3 is a dual check with atmospheric port designed for the protection of the water supply from carbon dioxide gas and carbonated water. These substances can flow from post-mix beverage systems and are very acidic. If the acidic water comes in contact with copper tubing or copper pipe, it will cause the leaching of copper salts into the water supply. The dissolved copper if ingested can cause nausea, abdominal pain, and in some cases vomiting. The SD3 prevents the reverse flow of potentially contaminated water back into the potable water supply. In the event the second check valve becomes fouled, the vent port is opened to atmospheric and water and or CO2 gas from the downstream piping is discharged.



strainer included

Installation

Before installing, flush out pipe lines to remove scale and other foreign matter. The valve can be installed horizontally or vertically (flow up or down). Install the valve in the line with the arrow on the valve body pointing in the direction of flow. Connect a vent discharge line to the vent outlet of the SD3 and vent to a safe place of disposal with adequate ventilation. The valve should be installed such that the strainer and the valve are accessible for service and maintenance.

IMPORTANT

The valve should not be installed where water discharge from the vent could cause damage to the surrounding equipment or property. In addition, the device should not be installed inside a wall or a concealed location. Copper tubing shall not be used on the downstream side of the backflow preventer.

Applications

The Watts SD3 is recommended for use on Carbonated Beverage Equipment and dispensing equipment for tea and coffee.

Maintenance

Annual inspection is required of the strainer and the backflow preventer to insure proper operation of the device.

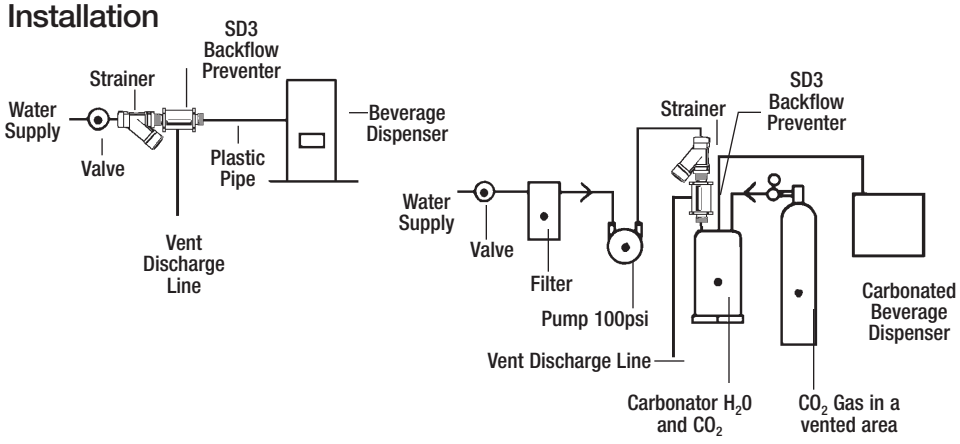
Temperature and Pressure

Maximum Pressure - 150psi. (10.3 bar)
Maximum Temperature - 130°F. (54ºC)

Repair Kit

Kit consists of First and Second Check assemblies complete.

Installation



SD3 Total Repair Kit

ORDERING CODE	KIT NO.	SIZE
0888556	RKSD3T	¼" - ⅜"

CALIFORNIA PROPOSITION 65 WARNING

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. (California law requires this warning to be given to customers in the State of California.)

For more information: www.watts.com/prop65

Limited Warranty: Watts Regulator Co. (the "Company") warrants each product to be free from defects in material and workmanship under normal usage for a period of one year from the date of original shipment. In the event of such defects within the warranty period, the Company will, at its option, replace or recondition the product without charge.
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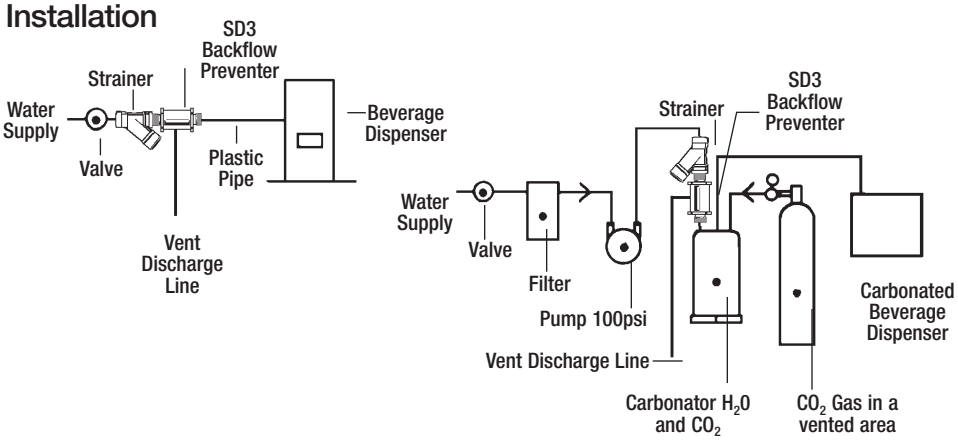
Backflow Prevention Products

ISO 9001-2000 CERTIFIED

USA: 815 Chestnut St., No. Andover, MA 01845-6098; www.watts.com
Canada: 5435 North Service Rd., Burlington, ONT. L7L 5H7; www.wattscanada.ca

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The remedy described in the first paragraph of this warranty shall constitute the sole and exclusive remedy for breach of warranty, and the Company shall not be responsible for any incidental, special or consequential damages, including without limitation, lost profits or the cost of repairing or replacing other property which is damaged if this product does not work properly, other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, chemical, or any other circumstances over which the Company has no control. This warranty shall be invalidated by any abuse, misuse, misapplication, improper installation or improper maintenance or alteration of the product.

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IS-SD3

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