

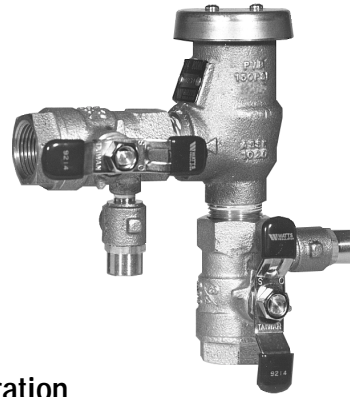
INSTRUCTIONS FOR INSTALLING

Series 800M3

Anti-Siphon Pressure Type Vacuum Breaker

Sizes: 1/2", 3/4" (15, 20 mm)

RP/IS-800M3QT



3/4" IAPMO Listed

When installed in accordance with these instructions this valve is designed to prevent back-siphonage of polluted water into a potable water supply. The No. 800M3 is ideally suited for irrigation, industrial processing systems and other continuous pressure applications. The valve can be placed in the hot or cold supply lines connected to a potable water supply system where there is no possibility of back-pressure.

Examples:

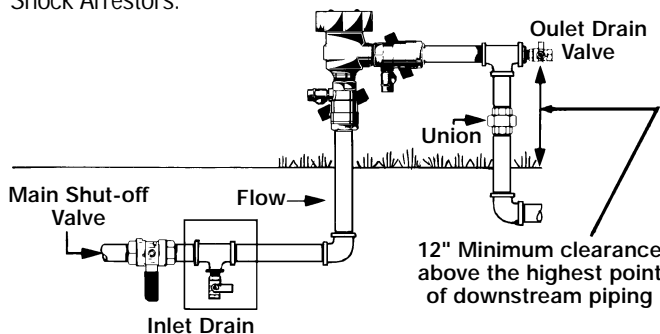
Where there is no danger of freezing and a drain or run-off is available.

Cooling Tower and Process Water	Swimming Pools
Commercial Laundry Machines	Photo Tanks
Chemical Plating Tanks	Heat Exchangers
Large Toilet and Urinal Facilities	Degreasers
Live Stock Water Systems	

Pressure - Temperature

Working Temp:	33°F - 140°F (.56°C - 60°C)
Maximum Pressure:	150 psi (10.3 bar)
Minimum Pressure:	15 psi (103 kPa)

Important Note: Vacuum breakers are not designed, tested or approved to protect against backpressure backflow or water hammer shock. For protection against backpressure backflow, install a Watts #909 Reduced Pressure Principle Backflow Preventer. For protection against water hammer shock install Watts #15 Shock Arrestors.



800M3 Repair Kits

Check Kits

Order No.	Kit No.	Size
0886042	RK 800M3 CK	1/2" - 3/4"

Kit consists of: Check disc assembly (disc & disc holder), Bonnet O-ring and Spring

Vent Float Kits:

0886041	RK 800M3 V	1/2" - 3/4"
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Kit consists of: Float vent disc assembly (vent float, seal & spring) and Bonnet O-ring.

Operation

When the line pressure drops to 1 psi or below, the spring loaded disc float opens the atmospheric vent and the spring loaded check valve closes the inlet. This prevents back-siphonage. As water flows through the valve, it pushes the check valve open and lifts the disc float which closes the atmospheric vent, thus preventing leakage. The disc float is free floating without close fitting guides which assures freedom from sticking. The durable silicone disc on the disc float and the check valve permits use on hot and cold water lines.

Installation

According to Plumbing Codes this type of valve must be installed as follows:

1. The valve must be installed at least 12" above the highest point on the downstream piping.
2. The valve must be installed with the supply line connected to the bottom or inlet of the valve and in a vertical position where it is available for periodic inspection, servicing and testing.
3. Because of possible water spillage due to valve operation, the valve must not be installed in a concealed location, inside a wall, or where freezing or spillage will cause water damage when a drain is not available.
4. ASSE standard 1020 requires that the atmospheric vent valve remains open until the valve body pressure exceeds 1 lb. Until this pressure is reached, some amount of spillage will occur at the atmospheric vent. In order to minimize this leakage on start-up, close the downstream shut-off valve and open inlet shut-off valve first.
5. Annual inspection of all water system safety and control valves is required and necessary. Regular inspection, testing and cleaning assures maximum life and proper product function.

Freeze Protection

1. Close main shut-off valve.
2. Open upstream drain, test cocks and isolation ball valves to depressurize line.
3. Purge with air.
4. Leave test cocks and isolation ball valve handles in 45° angle to drain ball valves and prevent casting damage.

Bonnet Assembly Kits:

Order No.	Kit No.	Size
0886040	RK 800M3 B	1/2" - 3/4"

Kit consists of: Bonnet, Bonnet O-ring and Vent spring.

Rubber Parts Kits:

0886039	RK 800M3 RT	1/2" - 3/4"
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Kit consists of: Vent disc, Check disc and Bonnet O-ring.

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.
 (Installer: California law requires that this warning be given to the consumer.)



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LIMITED WARRANTY: Watts Regulator Company warrants each product against defects in material and workmanship 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. This shall constitute the exclusive remedy for breach of warranty, and the Company shall not be responsible for any incidental or consequential damages, including without limitation, damages or other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, chemicals, or any other circumstances over which the Company has no control. This warranty shall be invalidated by any abuse, misuse, misapplication or improper installation of the product. THE COMPANY MAKES NO OTHER WARRANTIES EXPRESS OR IMPLIED EXCEPT AS PROVIDED IN THIS LIMITED WARRANTY.