

For Health Hazard Applications

Job Name _____ Contractor _____
 Job Location _____ Approval _____
 Engineer _____ Contractor's P.O. No. _____
 Approval _____ Representative _____

Series 800MQT, 800MCQT

Compact Pressure Vacuum Breaker Sizes 1/2", 3/4" (15, 20mm)

Series 800MQT/800MCQT is designed to prevent back-siphonage of contaminated water into the potable water supply. These valves are ideally suited for use in continuous pressure piping system applications when the water enters the equipment at or below its flood rim. This includes use with degreasers, laboratory sinks, photo tanks, lawn sprinklers, and swimming pools. The Series 800MQT/800MCQT uses a disc float and check valve that are suitable for use at temperatures up to 210°F (99°C). The durable silicone disc on the float and the check valve have high heat and shock resistance.

Model 800MQT - Bronze body

Model 800MCQT - Chrome finish

FEATURES

- Easy maintenance of internal parts
- Space saving design
- Integral test cocks for easy testing to insure proper operation
- Silicone discs for durability
- Built-in drip tight ball valves
- No special tools required for servicing

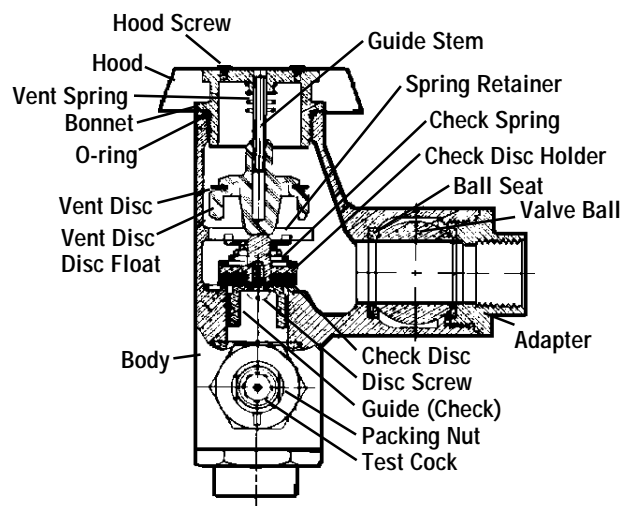
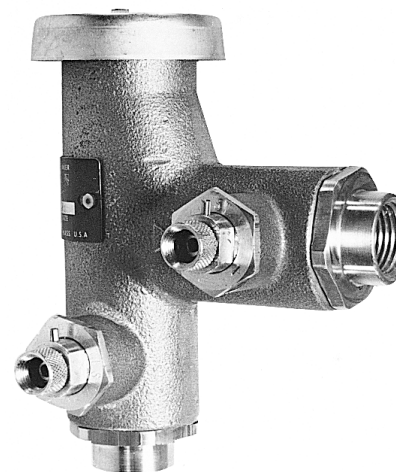
INSTALLATIONS

Series 800MQT/800MCQT is designed for installation in a continuous pressure potable water supply system, 12" (305mm) above the highest point of the downstream piping. The valve must be installed with the supply connected to the bottom and in a vertical position where it is available for inspection, servicing or testing. The valve should not be installed in a wall or where freezing or spillage will cause damage when a drain is not available.

Important Note: Vacuum breakers are not designed, tested or approved to protect against back-pressure backflow or water hammer shock. For protection against backpressure backflow, install a Watts Reduced Pressure Zone Backflow Preventer. For protection against water hammer install a Watts shock arrestor.

SPECIFICATIONS

An anti-siphon pressure vacuum breaker shall be installed where indicated on the plans to prevent the back-siphonage of contaminated water. This assembly is not to be used where there is a possibility that a backpressure condition may develop. The assembly shall include a chrome plated bronze bodied pressure vacuum breaker with two integral ball valve shutoffs and test cocks. The assembly shall meet the requirements of ASSE Standard 1020 and CSA B64.1.2. Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California. Watts Regulator Series 800MQT/800MCQT.



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.)

For more information: www.wattsind.com/prop65

IMPORTANT: Inquire with governing authorities for local installation requirements.

WATTS®
REGULATOR

MATERIALS

- Hood - Brass
- Bonnet - Bronze
- Vent disc - Silicone rubber
- Disc holder float - Polyethylene
- Check valve disc - Silicone rubber
- Check valve seat - Bronze
- Body - Bronze

PRESSURE-TEMPERATURE

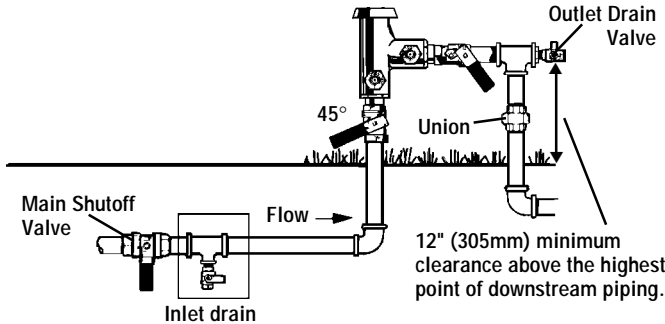
Working Temperature: 33°F to 210°F (0.6°C to 99°C)
 Maximum Pressure: 150 psi (10.34 bars)
 Minimum Pressure: 15 psi (103 kPa)

STANDARDS



This series complies with the ASSE. IAPMO listed, file No. 1913 and CSA B64.1.2. Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California.

TYPICAL INSTALLATION



Freeze Protection Guidelines

1. Close main shutoff 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.

REPAIR KITS

Cover Kit

Ordering Code No.	Kit No.	Size	
		in.	mm
0886043	RK 800M C	1/2 - 3/4	15 - 20
0886044	RK 800MC C	1/2 - 3/4	15 - 20

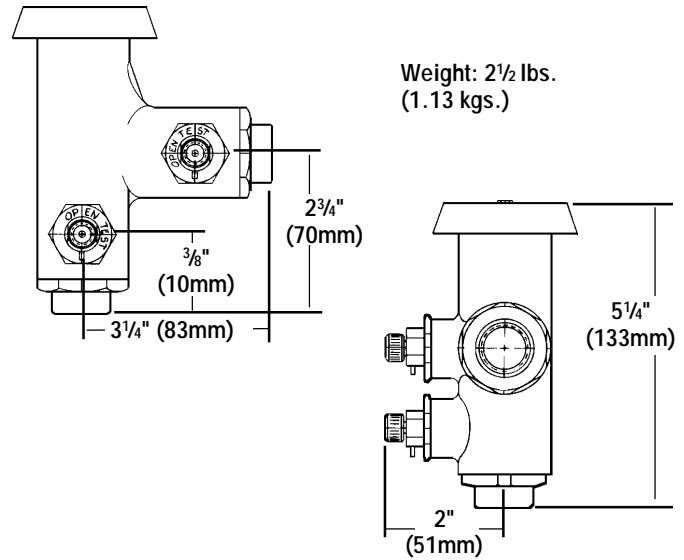
Kit includes: Hood and hood screws

Total Repair Kit

Ordering Code No.	Kit No.	Size	
		in.	mm
0886030	RK 800M/MC T	1/2 - 3/4	15 - 20

Kit includes: Check disc assembly, check spring, vent spring, hood screws, float and vent seal assembly and bonnet o-ring.

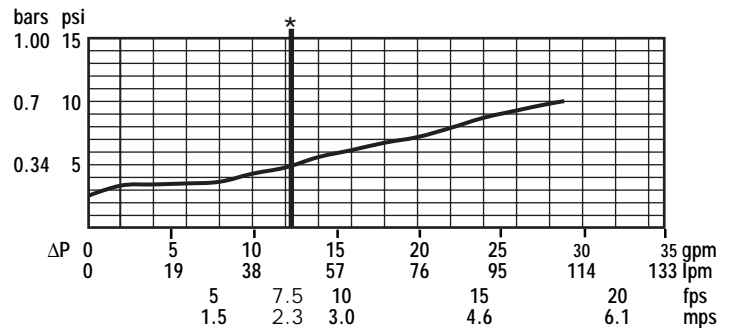
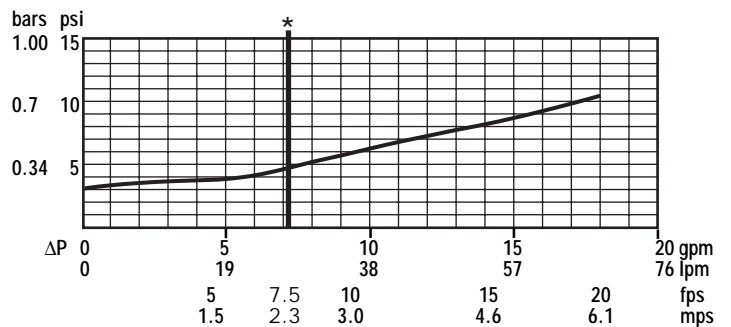
DIMENSIONS - WEIGHT



Weight: 2 1/2 lbs.
(1.13 kgs.)

CAPACITY

*Typical maximum system flow rate (7.5 feet/sec.)(2.3 meters/sec.)



Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.



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