

For Health Hazard Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

Series 289

Spill Resistant Atmospheric Vacuum Breakers

Sizes: $\frac{3}{8}$ " – 1" (10 – 25mm)

Series 289 is designed for indoor point of use applications with continuous supply pressure to prevent backsiphonage of contaminated water back into the potable water supply. Separation of the water supply from the air inlet is accomplished by means of a diaphragm seal. This feature protects against any spillage during start-up operation.

Features

- Spring loaded vent for continuous pressure use
- Patented design
- Spill-resistant diaphragm design for indoor use
- Affordable design
- Modular cartridge for ease of service
- Vent uses an O-ring for reliable operation
- Bronze body for durability
- Compact space saving design
- Meets ASSE 1001 ($\frac{3}{8}$ " and $\frac{1}{2}$ " only)
- Optional satin chrome finish

Installation

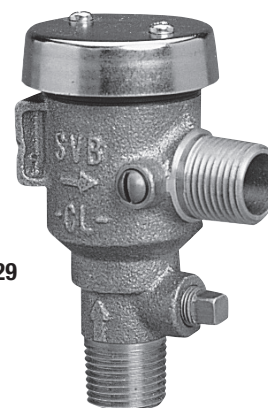
The 289 is designed to be installed at the point of use. When factory installed deck/machine mounted on machines or equipment, the critical level of the 289 shall be 1" (25mm) above the flood rim. If field applied for general plumbing applications, the critical level of the 289 shall be 6" (152mm) above the flood rim.

Specifications

A spill-resistant atmospheric vacuum breaker shall be installed, in accordance with the manufacturer's instructions, as noted on the plans. The valve shall consist of a one piece modular check and float assembly made of engineered thermoplastic and housed in a bronze body. Springs shall be stainless steel. The valve shall be constructed with a molded diaphragm separating the air inlet from the potable water supply to prevent spillage. The valve shall be a Watts Series 289.

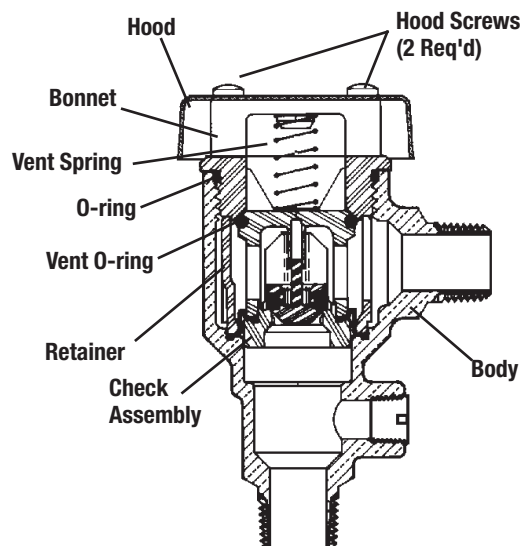
Series 289

Patent #5125429

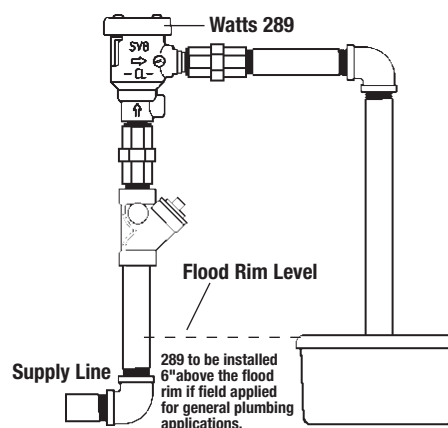


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$\frac{3}{8}$ " and $\frac{1}{2}$ "
sizes only



Typical Installation



Materials

Springs: Stainless Steel
Bonnet: PPO
Vent Disc: EPDM
Disc Holder: PPO
Check Disc: Silicone Rubber
Body: Bronze
Diaphragm: EPDM

Pressure - Temperature

Temperature Range: 33°F - 180°F (0.5°C - 82°C)
Maximum Pressure: 150psi (10.3 bar)

Standards



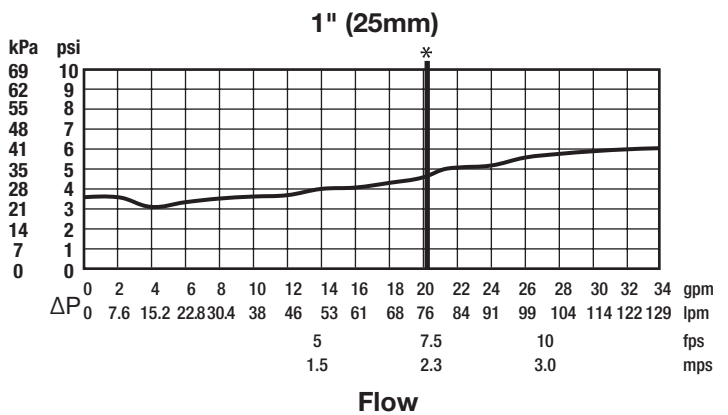
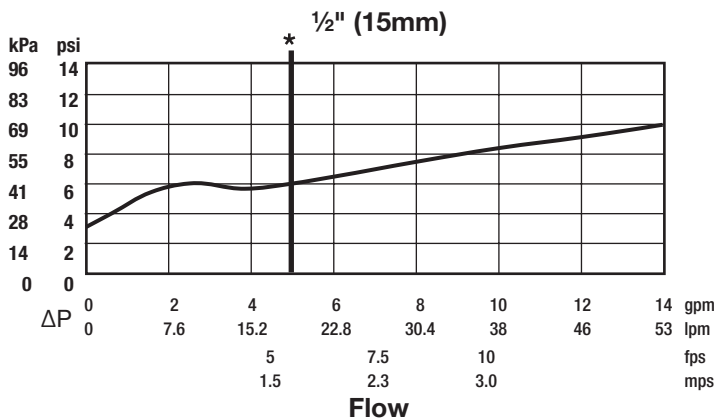
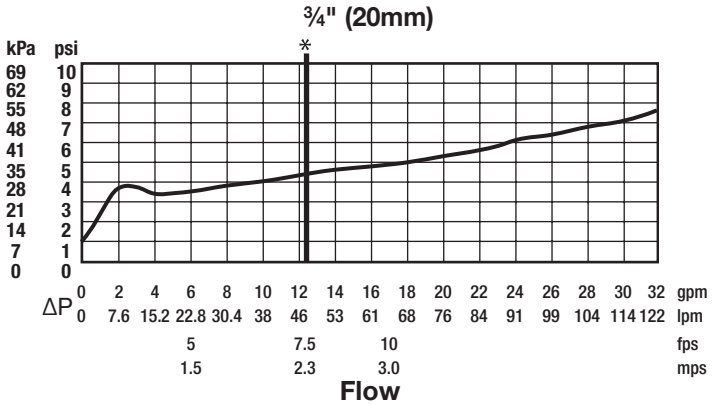
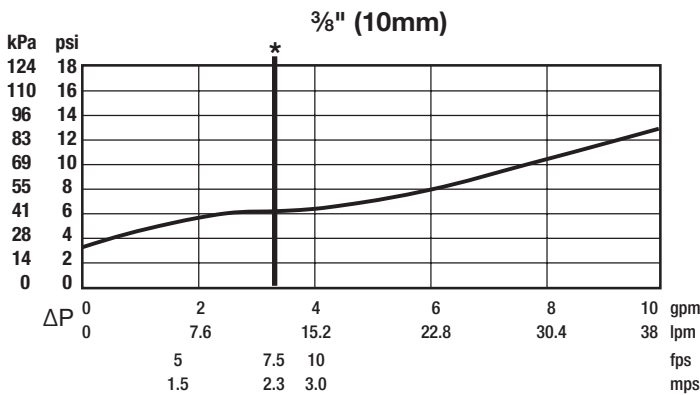
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(3/8" and 1/2" only).

Important: Inquire with governing authorities for local installation requirements.

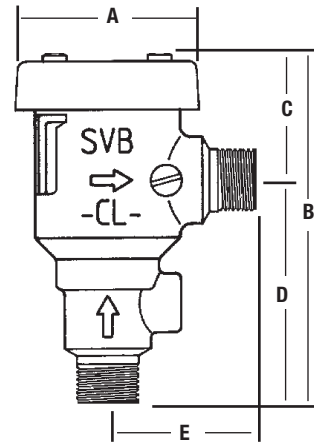
End Connections

Standard male NPT
Optional hose and custom connections available

Capacity



Dimensions - Weight



SIZE (DN)		DIMENSIONS					WEIGHT	
in.	mm	A	B	C	D	E	lbs.	kg.
3/8	10	2 50	3 95	1 35	2 60	1 38	.9	.4
1/2	15	2 50	3 95	1 35	2 60	1 38	1	.4
3/4	20	3 95	5 127	2 64	2 64	2 60	3	1.4
1	25	3 95	5 127	2 64	2 64	2 60	4	1.8



A Watts Water Technologies Company



ISO 9001-2000
CERTIFIED

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