

WATTS REGULATOR

IS-288A/N388-8

Anti-Siphon Vacuum Breaker

FOR HOT or COLD WATER

Prevents Back-Siphonage

No. 288A SIZES 1/4" thru 3" - Plain Brass

No. 288AC SIZES 1/4" thru 1" - Polished Chrome

No. N388 SIZES 1/4" and 3/8" - Bronze, Satin Chrome or Polished Chrome
Bottom Inlet and Outlet Connections
(Tested in conformance with ASSE 1001)

A.S.S.E. Standard 1001
288A, 288AC, 288ASC



Listed by I.A.P.M.O.
288A, 288AC, 288ASC



CSA Certified
288A, 288AC



No. 288A

ATTN. INSTALLER: After installation, please leave this Instruction Sheet for occupant's information.

No. N388SC



PURPOSE: To prevent back-siphonage of polluted water into a potable water supply.

USES: In the water supply line to all types of equipment and fixtures connected to a potable water supply system and on which the water supply enters the fixture or device below its flood rim. Typical of this type of equipment are clothes and dishwashers, beverage dispensers, chemical and process tanks and similar devices.

OPERATION: When the water supply valve ahead of the breaker is closed, or when it is open and a negative pressure is created in the supply line, the disc float drops opening the atmospheric vent and at the same time closing the orifice opening. This effectively prevents the creation of a vacuum in the discharge line from the breaker and positively prevents back-siphonage.

As water flows through the breaker it lifts the disc float and closes the atmospheric vent against water leakage. The disc float—or as it is sometimes called, the inner valve—is free floating without close-fitting guides, assuring freedom from sticking. The durable, silicone disc permits its use on hot as well as cold water lines.

CONSTRUCTION: Bronze body and internal trim. Brass external trim. Standard valves have angle type bodies with female inlet connection at the bottom and female outlet connection at the side. Sizes 1/4" to 1" also available in chrome finish.

INSTALLATION: Breaker must be installed with the supply connected to the bottom and the outlet connected to the appliance as shown in schematic. Figure 1.

The bottom of the breaker body should be at least 6" above the flood rim of the fixture or appliance. Figure 1.

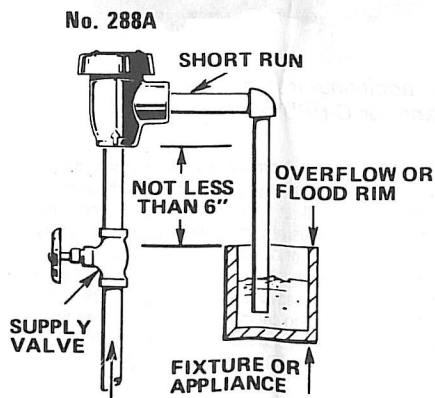
Where a portable appliance is used, the breaker should be installed at least 6" above the highest point to which the outlet can be raised. Figure 2.

Since atmospheric-type vacuum breakers are subject to normal maintenance and replacement, they should be located where emergency water spillage will create no problem and where they can be accessible for inspection or servicing. No valve shall be installed downstream of this atmospheric vacuum breaker.

Maximum temperature 210°F at 125 PSI working pressure. Maximum pressure: 125 lbs.

"IMPORTANT NOTE: This device shall not be subjected to continuous pressure for more than twelve (12) hours, per ASSE Std. 1001. Vacuum Breakers are not designed, tested or approved to protect against backpressure backflow. For protection against backpressure backflow, install Watts No. 909 Series Reduced Pressure Principle Backflow Preventers."

Fig. 1



INSTALLATIONS

Fig. 2

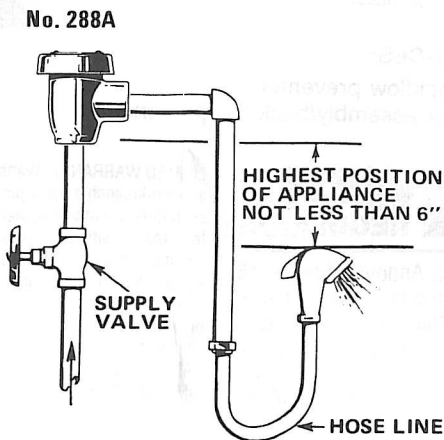
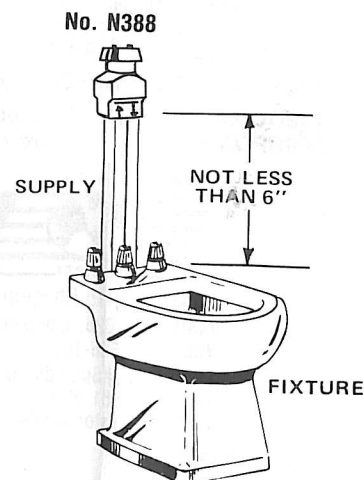


Fig. 3



Watts complete line of Backflow Prevention Devices.

The Complete Concept in Cross Connection Control and Containment

Series 8 - Backflow Preventers for Hose Bibb Installations

For 3/4" H.T sill cocks and threaded faucets where a portable hose could be attached. Tested and approved under A.S.S.E. Std. 1011, ANSI A112.1.3 and listed by I.A.P.M.O.

No. 8, 8A, 8B, 8P, S8, NF8



No. NLF9 - Atmospheric Type Backflow Preventer

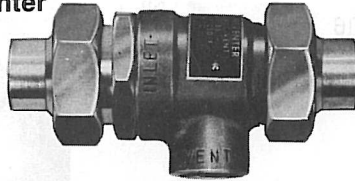
Double check valve with atmospheric vent. Especially made for use on laboratory faucets with gooseneck spout. Size 3/8" NPT.

Certified under ANSI/ASSE Std. 1035 - "Laboratory Faucet Vacuum Breakers". Listed by I.A.P.M.O.



No. 9D - Backflow Preventer with intermediate atmospheric vent

Suitable for continuous pressure. Sizes 1/2", 3/4" NPT. Meets A.S.S.E. Std. 1012.



No. 7 - Dual Check Valve Backflow Preventer

Dual check backflow preventer for residential water supply service or individual outlets. Sizes 1/2" - 1 1/4". ANSI/A.S.S.E. Std. 1024.

3/8" No. 7 for deep sink or similar in-line continuous pressure applications.



TABLE A
STANDARDS AND TESTING LABORATORIES FOR BACKFLOW PREVENTER PERFORMANCE TEST AND CONSTRUCTION

PRODUCT	CURRENT STANDARDS			WATTS SERIES
	ASSE	AWWA	FCCCHR of USC	
Atmospheric type vacuum breakers	1001			288A
Hose connection vacuum breakers	1011			8
Backflow preventer with intermediate atmospheric vent	1012			9D
Reduced pressure principle backflow preventer	1013	C-506	Manual for Cross Conn. Control	909, 009
Double check valve type backpressure backflow preventer	1015	C-506	Manual for Cross Conn. Control	709, 007
Vacuum breakers, pressure type	1020			800
Dual check valve backflow preventer	1024			7
Laboratory faucet vacuum breaker	1035			NLF9

REFERENCES:

ASSE - American Society of Sanitary Engineering
 AWWA - American Water Works Association
 USC - FCCC - University of Southern California, Foundation for Cross Connection Control Research
 NSF - National Sanitation Foundation

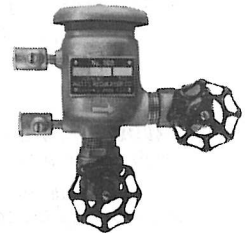
OTHER BACKFLOW PREVENTION DEVICES:

No. 709DCDA double check detector/backflow preventer
 No. 909RPDA reduced pressure detector assembly/backflow preventer

No. 800 - Pressure Type Vacuum Breaker

Anti-siphon pressure type vacuum breakers for continuous pressure piping systems. A.S.S.E. No. 1020. Sizes 1/2" - 2".

Sizes 3/4" - 2" listed by I.A.P.M.O.



DOUBLE CHECK VALVE BACKFLOW PREVENTERS

Series 709 2 1/2" - 10"
 Series 007 3/4" - 3"



REDUCED PRESSURE ZONE BACKFLOW PREVENTERS

Series 909 3/4" - 10"
 Series 009 1/2" - 3"



For additional information, send for C-BPD catalog.

World Class Valves



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 Watts Regulator (Nederland)b.v. Telex: 844 35365

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.