

# 0881, 0881NL MANUAL-DRAIN SERIES & 0882NL AUTO-DRAIN SERIES BRASS VACUUM BREAKERS

A vacuum breaker is a one-way valve that functions as a backflow preventer. Backflow can occur when water flows in the wrong direction through hoses, pipes, or plumbing systems, often due to changes or drops in water pressure. A vacuum breaker helps protect the potable water supply from potential contamination by preventing siphoning that could occur when another water source is opened. Always consult local plumbing codes to ensure installation complies with all applicable national and local plumbing and building requirements.

**CAUTION:** 0881-07 is a leaded vacuum breaker and cannot be used in potable water applications, nor is it covered under any certifications.

Typically, vacuum breakers must be installed at least 6" above the ground's surface; please refer to your local plumbing codes for specific requirements.

**Manual Vacuum Breakers:** Simply break the vacuum but do not drain the line - the water stays in the breaker until you remove the hose and let it out.

**Self-Draining Vacuum Breakers:** Automatically drains residual water when hose attachments are removed. This helps protect against freezing damage in cold weather and can be beneficial for outdoor hydrants that are under intermittent pressure.

## APPLICATIONS:

- Outdoor wall hydrants - prevents dirty hose water, pesticides, or cleaning chemicals from being siphoned back inside

## FEATURES:

- Designed to prevent back siphonage into potable water supply
- Break-off screw to ensure a permanent vandal-proof installation
- Includes an integral sealing gasket (PTFE tape or pipe thread compound not required)

## SPECIFICATIONS:

- Certified to ASSE Standard 1011- Performance Requirements for Hose Connection Vacuum Breakers
- Certified to CSA Standard B64.2 - Backflow Preventers and Vacuum Breakers

## CERTIFICATIONS:

- NSF/ANSI Standard 61 Certified (Drinking Water System Components - Health Effects)
- NSF/ANSI Standard 372 Certified (Drinking Water System Components - Lead Content)
  - NL Brass - (NL test criteria <0.25% Pb by weighted average)

## RATINGS:

- Max Pressure Rating: 125 PSI
- Max Temperature Rating: 180°F (82°C)

**User Responsibility Statement:** It is the user's sole responsibility to determine the product's suitability for its intended use. For full details, visit Boshart Industries [Reference Documents](#) for our User Safety Responsibility Statement and other important documents.

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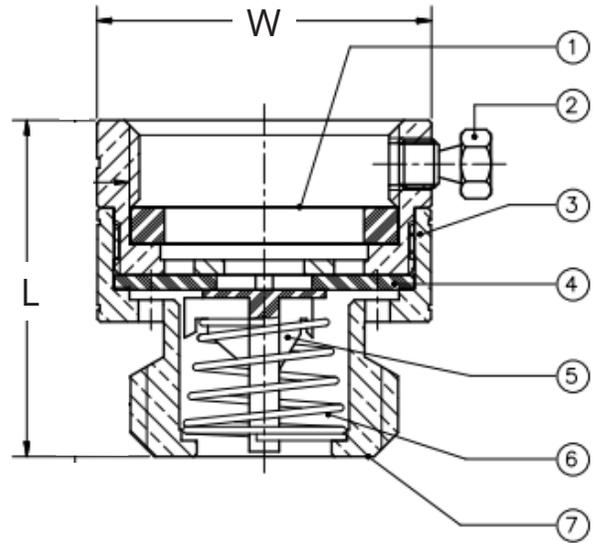


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#10-32 Screw

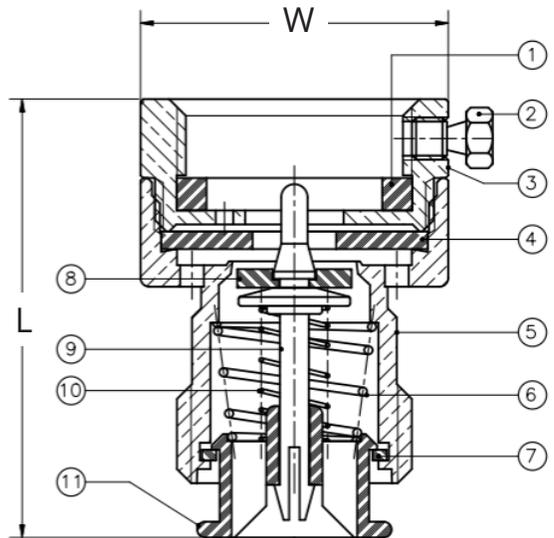


**0881 SERIES MATERIAL LIST**

No.	Name	0881-07 Material	0881-07NL Material
1	Sealing Gasket	Nitrile Butadiene Rubber (NBR)	Nitrile Butadiene Rubber (NBR)
2	Set Screw	C37700 Brass	C37700 Brass
3	Bonnet	C37700 Brass	C46400 Brass
5	Packing	Nitrile Butadiene Rubber (NBR)	Nitrile Butadiene Rubber (NBR)
6	Spring Seat	Acetal Polyoxymethylene (POM) M90	Acetal Polyoxymethylene (POM) M90
7	Spring	304 Stainless Steel	304 Stainless Steel
8	Body	C37700 Brass	C46400 Brass

**0882-07NL MATERIAL LIST**

No.	Name	Material
1	Sealing Gasket	Nitrile Butadiene Rubber (NBR)
2	Set Screw	C37700 Brass
3	Bonnet	C46400 Brass
4	Packing	Nitrile Butadiene Rubber (NBR)
5	Body	C46400 Brass
6	Spring	304 Stainless Steel
7	Snap Ring	Acetal Polyoxymethylene (POM) M90
8	Packing	Nitrile Butadiene Rubber (NBR)
9	Spring Seat	Acetal Polyoxymethylene (POM) M90
10	Spring	304 Stainless Steel
11	Knob	Acetal Polyoxymethylene (POM) M90



**DIMENSIONS**

Part No.	Draining Type	Inlet	Outlet	W		L		Weight	
				inches	mm	inches	mm	lbs	grams
0881-07	Manual	3/4" FGHT	3/4" MGHT	1.32	33.50	1.33	33.70	0.24	108
0881-07NL	Manual			1.38	35.00	1.70	50.00	0.26	120
0882-07NL	Self			1.38	35.00	1.70	50.00	0.26	120



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# Installing/Operating a Vacuum Breaker on a 3/4" GHT Hose Bibb

## Tools & Materials Needed:

- Small Adjustable Wrench

It is recommended to consult and verify the applicable national and local plumbing and building codes, and AHJ (Authority Having Jurisdiction) over the project, for your specific applications.

1. Inspect the faucet and vacuum breaker threads to make sure they are clean and free of foreign debris.
2. Ensure that the break-off screw is backed out of the thread so that it doesn't interfere with installation.
3. With the faucet or hydrant closed, thread the vacuum breaker onto the downward facing hose bibb turning it clockwise. Firmly hand tighten. **IMPORTANT:** The air vents port on the vacuum breaker must face downward. The air vents need to be unobstructed so that the air can flow in freely to break the vacuum if a back- siphonage situation occurs.
4. Using the adjustable wrench, tighten the break-off screw. Code may require the head be broken off to avoid unauthorized removal of the vacuum breaker from the faucet.

## Manual-Draining Operation:

Remove hose from outlet and push plastic stem in center of outlet to one side using a screwdriver or other small item and hold until water stops dripping. Plastic stem must be held over until the system is thoroughly drained - if the valve/faucet fails due to freezing, warranty will be void. This must be done after each use or water in valve could freeze and damage the valve.

## Auto-Draining Operation:

Water in the plumbing valve will automatically drain out when hose is removed. This will alleviate the potential for freezing damage in the valve outlet and vacuum breaker. Upstream pipes containing water should be insulated or located in a heated space.

Manual-drain vacuum breakers may be used in warm-climate applications. For cold-climate installations, auto-drain vacuum breakers are recommended to reduce the risk of freeze damage.

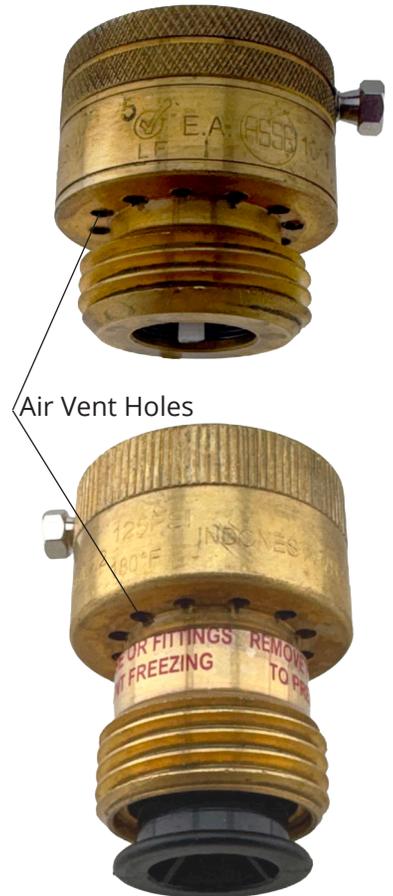
## Replacement Gasket

DIMENSIONS								
Part No.	Size	Material	A		B		Thickness	
			in	mm	in	mm	in	mm
BG-GHW-12	3/4"	Styrene-Ethylene Butylene-Styrene (SEBS)	0.98	24.89	0.68	12.27	0.13	3.30

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