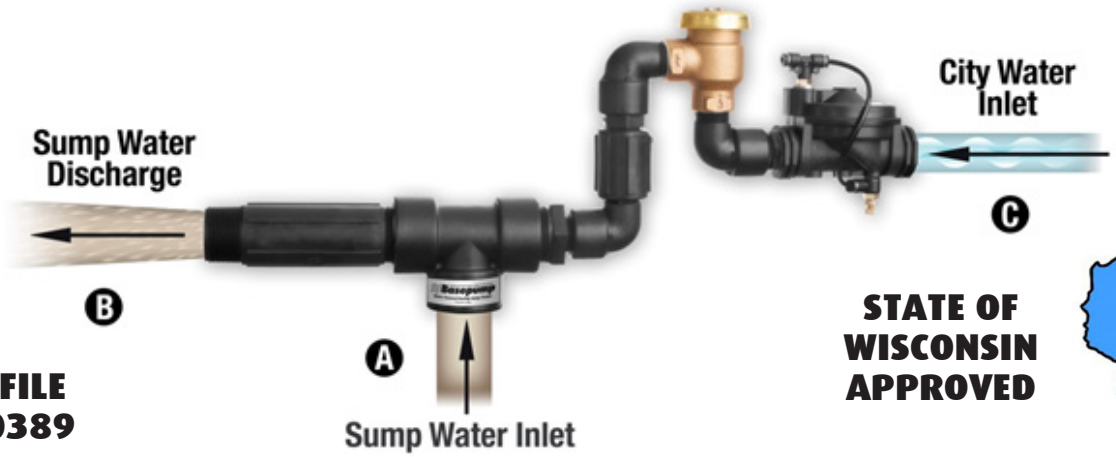
Prevent Basement Flooding...

Quality & performance. Ask for it by name.

Basepump™

Premium Water Powered Back-up Sump Pump with Atmospheric Vacuum Breaker



PRODUCT FILE NO. 20100389

STATE OF WISCONSIN APPROVED

Product Specifications

Service Requirements

Municipal Water: 40 PSI Minimum
90 PSI Maximum

Municipal Water Pipe Diameter:

- Residential Model: 1/2" or 3/4" thread
- High Performance Model: 3/4" thread
- Commercial Model: 3/4" or 1" thread

Connection Sizes

- Residential Model: 1" PVC socket
- High Performance Model: 1 1/4" PVC socket
- Commercial Model: 1 1/2" PVC socket

Materials of Construction

- Heavy duty sch. 80 polypropylene, PVC, stainless steel hardware, Brass atmospheric vacuum breaker

Pumping Rates

(average gallons per hour*)

- **Residential Model #RB750-AVB:** 750 – 900 GPH
- **High Performance Model #HB1000-AVB:** 1,000 – 1,400 GPH
- **Commercial Model #CB1500-AVB:** 1,500 – 2,000 GPH

*Based on 40 – 90psi @ 10 ft. suction lift

5-Year Warranty

Theory of Operation

Basepump is a siphon ejector system that creates a vacuum source using municipal city water pressure as it's motive force. The Basepump is comprised of a tee configuration with three connection ports. A suction port designated **"A"** is in contact with ground water in the sump pit. A discharge port designated **"B"** which is located outside the building and is an open drain. The third port is **"C"** which is connected to the municipal water supply. When the Basepump is not operating the control valve is held in the closed position, the suction pipe **"A"** is empty, and discharge pipe **"B"**, being self draining, is also empty.

Water Alarm

Features

- Constructed of heavy duty, durable, corrosion resistant materials
- Only the float and suction tube are in contact with sump water
- Simple to install, full instructions included
- No moving parts to break and no maintenance required
- Integral backflow preventer

Materials Included

Ejector, float, adapters, fittings, discharge hose, transfer tube, mounting clamps, check valve, water alarm, misc. hardware.

Optional:

- Solder-free no-sweat water supply piping kits in 1/2" and 3/4" sizes.
- Compact float, ideal for small or confined sump pits.

Base Products Corporation

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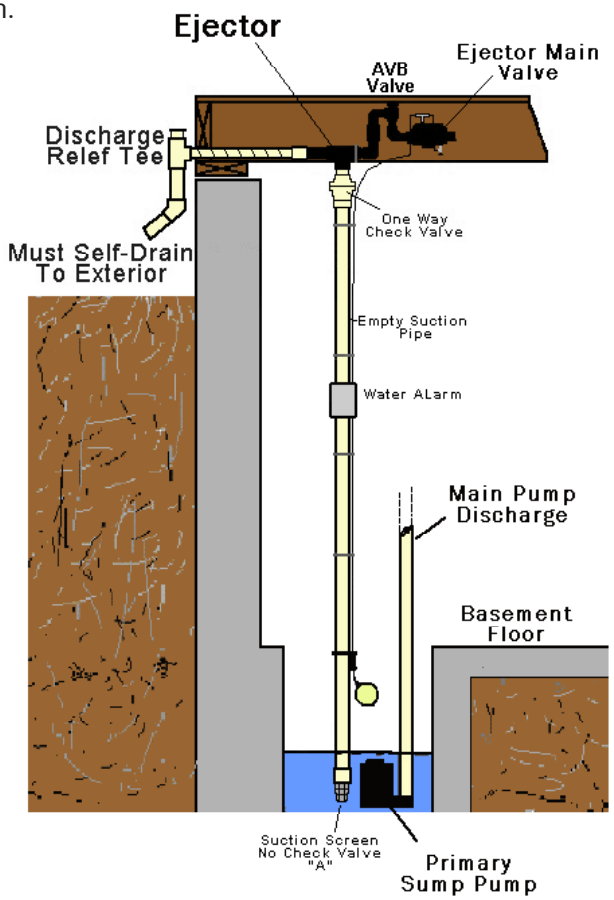
Back Siphon Condition

In the event of a back siphon condition, ground water cannot cross contaminate the potable water supply. The inherent design of the Basepump along with an approved Atmospheric Vacuum Breaker (AVB) that is factory installed supports this claim.



Meets ASSE Listed 1001, CSA Certified, IAPMO Listed

"AVB is always placed downstream from all shut-off valves. Its air inlet valve closes when the water flows in the normal direction but, as water ceases to flow the air inlet valve opens, thus interrupting the possible back siphon effect. If piping or a hose is attached to this assembly and run to a point of higher elevation, the backpressure will keep the air inlet valve closed because of the pressure created by the elevation of water. Hence, it would not provide the intended protection. Therefore, this type of assembly must always be installed at least six (6) inches above all downstream piping and outlets. Additionally, this assembly may not have shut-off or obstructions downstream. A shut-off valve would keep the assembly under pressure and allow the air inlet valve (or float check) to seal against the air inlet port, thus causing the assembly to act as an elbow, not a backflow preventer. The AVB may not be under continuous pressure for this same reason. An AVB must not be used for more than twelve (12) out of any twenty-four (24) hour period. It may be used to protect against either a pollutant or contaminant, but may only be used to protect against a back siphon condition."

Industry Standards

Atmospheric Vacuum Breakers (AVB)

Cross-connection is not subject to backpressure or continuous pressure. Install at least 6" above the highest point of discharge. Protection is afforded against back siphon only.

The Basepump system design meets the criteria as specified by the University of Southern California as outlined below.

- The Basepump ejector is mounted outside the sump pit, discharging directly outdoors. Other types of water powered pumps are located inside the pit, having a constantly flooded pump.
- The suction pipe is open allowing all the ground water to back drain into the sump pit after each pumping cycle. The Basepump is mounted 8 to 10 feet above the pit.
- The discharge piping is vented to atmosphere and empties 12" to 18" below the Basepump. There is no backpressure on the Basepump Ejector.
- The Basepump has an approved Atmospheric Vacuum Breaker (AVB) factory installed downstream of the control valve. (Refer to the photo on page #1.)
- The Basepump Ejector, its suction and discharge piping is empty of sump water unless it is operating.
- Specify the Basepump with a –AVB

Installation Procedures

Follow the standard Basepump installation procedures as outlined in the manual. However, the discharge pipe must be horizontal or sloping downward (refer to drawing) to drain the water after each cycle.

Visit our website, www.basepump.com for complete product details

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