Prevent Basement Flooding

Quality & Performance. Ask for it by name.

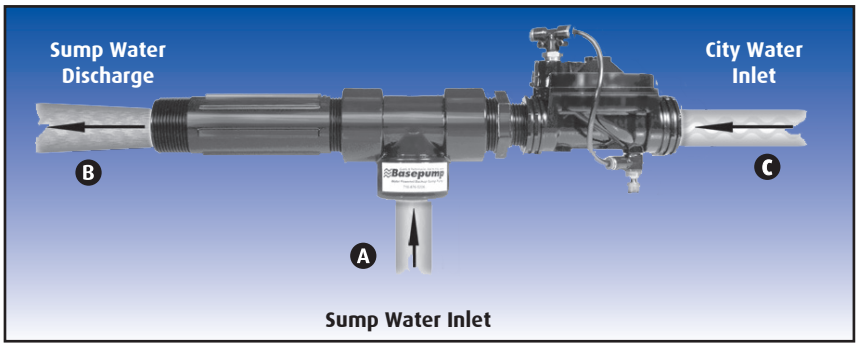
Basepump™

Water Powered Backup Sump Pump

Models: RB750 • HB1000 • CB1500

Purpose

Basepump helps keep your basement and its contents protected from flood damage caused by power outages or sump pump failure. Regardless of the reason for sump pump failure, the Basepump is on the job and ready to pump at any time, day or night, for weeks at a time if necessary. Rest assured with the Basepump.



Principle of Operation

Basepump is a siphon ejector system that creates a vacuum source using municipal city water pressure as its motive force. The Basepump is comprised of a tee configuration with three connector 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 has 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.

Product Specifications

Basepump Models

- RB750 Residential
- HB1000 High Performance
- CB1500 Commercial

Service Requirements
Municipal Water: 40 PSI Minimum
90 PSI Maximum

Inlet Water Pipe Size

- RB750 Residential 1/2" or 3/4"
- HB1000 High Performance 3/4"
- CB1500 Commercial 3/4" or 1"

Connection Sizes

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

Pumping Rates

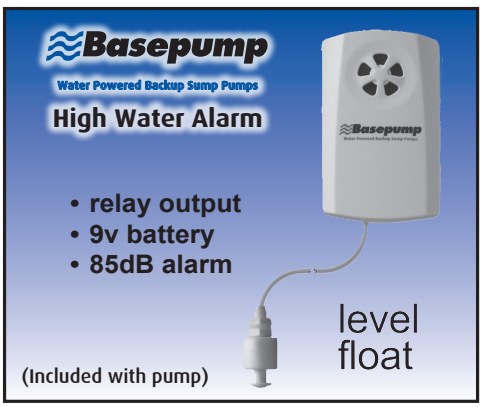
- RB750: 700 - 900 GPH
- HB1000: 900 - 1,400 GPH
- CB1500: 1,400 - 2,000 GPH

5 Year Warranty

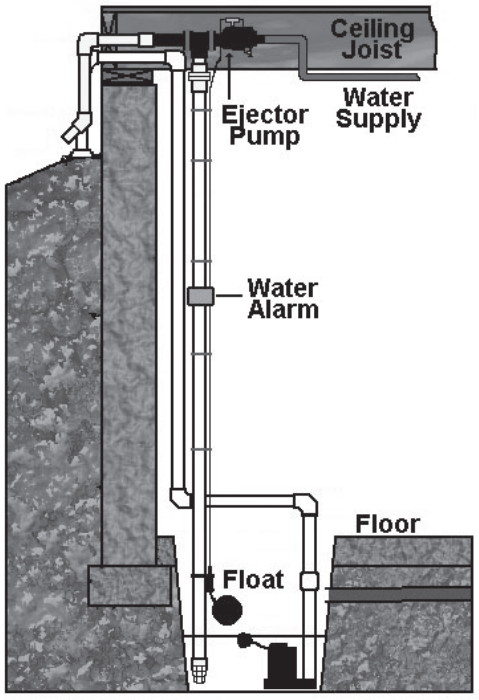
Features/Advantages

- Constructed of heavy duty, durable, corrosion resistant materials.
- No moving parts to break and no maintenance required.
- Highest pumping rates in the industry.
- Standard float design can fit into a 12" diameter sump pit.
- No parts are in contact with sump pit water unless pump is operating.

Water Alarm



Typical Installation



Materials Included

- Ejector, float, adapters, fittings, discharge hose, transfer tube, mounting clamps, check valve, water alarm, misc. hardware, complete step-by-step instructions.

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Product Performance

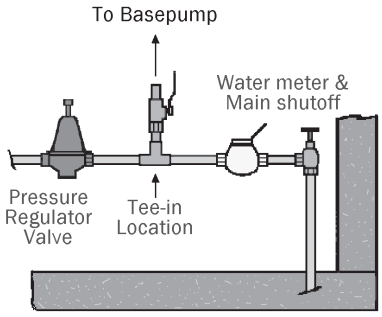
Basepump Selection		Pumping Rates (GPH) @ 10 Ft. Lift				Pipe	Water Flow Requirements
Model	Uses	40 psi	60 psi	80 psi	90 psi	Size	Gallons per minute (GPM)
RB750 Residential	Homes with normal volumes of sump water	700	750	800	900	1/2" or 3/4"	7 - GPM
HB1000 High Performance	Homes & Buildings with normal volumes of sump water	900	1,000	1,200	1,400	3/4"	10 - GPM
CB1500 Commercial	Homes & Buildings with large volumes of sump water	1,400	1,500	1,700	2,000	3/4" or 1"	15 - GPM

ALL BASEPUMP MODELS REMOVE 2 GALLONS OF SUMP WATER FOR EVERY 1 GALLON OF CITY WATER USED AT 90 PSI.

Basepump Water Supply Checklist

Pre-Installation 4 Point Checklist

Before installing, use these check boxes to verify each item below. Improper installation will result in reduced pumping capacity or pump may not operate at all.



❑ *Household Water Pressure*

1 **40 PSI minimum; 90 PSI maximum pressure at the Basepump Ejector. Compensate for pressure loss from test point to Basepump and avoid excessive piping from "tee-in" location.**

❑ *Household Water Flow*

2 **In order to install Basepump, you must be able to fill a 5 gallon bucket with water from a hose spigot within the following times for each model:**

RB750: 40 seconds
HB1000: 30 seconds
CB1500: 20 seconds

❑ *Type of Piping*

3 **Basepump requires installation with full flow copper pipe or it's equivalent (PVC, CPVC, PEX, etc. are okay if approved in your area). Do not connect to or install using galvanized iron pipe.**

❑ *Pipeline Restrictions*

4 **Basepump must be "teed-in" before any devices that restrict water flow. Examples of such devices are: stop & waste valves, Pressure Regulator Valves (PRV), water conditioners, filters, etc. (see sketch). Water meter must be minimum 3/4" standard.**

Backflow Prevention

***DCV* - Dual Check Valve: This backflow preventer is installed on the municipal cold water line that is connected to the Basepump. The dual check valve provides the installer flexibility to be able to mount the pump in many different configurations. Sizes:1/2",3/4" & 1" ASSE 1024, CSA B64-6 Dual Check Valve. ASSE 1012, CSA B64.3 State of Illinois approval #890-1140**

***AVB* - Atmospheric Vacuum Breaker: The AVB is located on the non-pressure part of the Basepump acting as a vacuum break which prevents back siphoning. The Basepump AVB must have a separate independent discharge pipe that self drains to the outdoors. ASSE 1001, CSA 64.1.1, State of Wisconsin approval # 20100389**

***RPZ* - Reduced Pressure Zone: Industry recognized backflow prevention device that meets the most stringent code requirements. The RPZ requires annual inspection and testing by a trained plumbing professional. Light weight nylon composite construction. Size: 3/4"ASSE 1013, AWWA C511, NSF61 approved**

VISIT OUR WEBSITE FOR COMPLETE DETAILS: WWW.BASEPUMP.COM

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