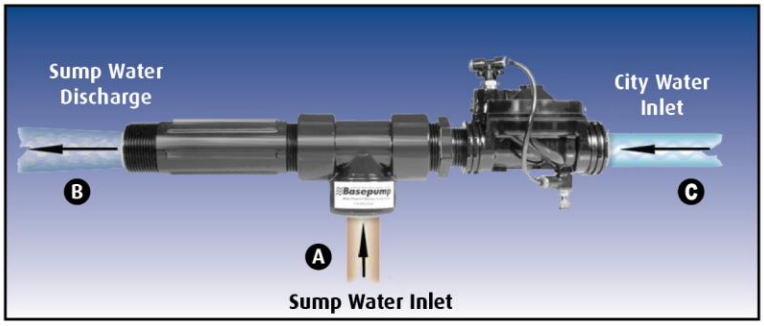
Prevent Basement Flooding

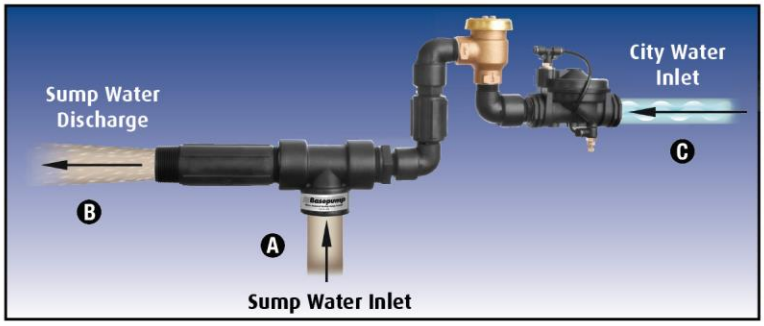
Quality & Performance. Ask for it by name.

Basepump™

Water Powered Backup Sump Pumps



Basepump • Standard Design



Basepump • Atmospheric Vacuum Breaker Design (-AVB)

Theory 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 value 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 & (-AVB) Residential
HB1000 & (-AVB) High Performance
CB1500 & (-AVB) Commercial

Service Requirements
Municipal Water: 40 PSI Minimum
90 PSI Maximum

Connection Sizes
- Residential Model: 1" PVC
- High Performance Model: 1¼" PVC
- Commercial Model: 1½" PVC

Pumping Rates
- RB750: 750 - 900 GPH
- HB1000: 1,000 - 1,400 GPH
- CB1500: 1,500 - 2,000 GPH

Backflow Prevention (-AVB)

- Built-in backflow preventer protecting your municipal water source
- ASSE #1001 Certified
- CSA Standard B64.1.1
- UPC, IAPMO Listed

5 Year Warranty

Features/Advantages

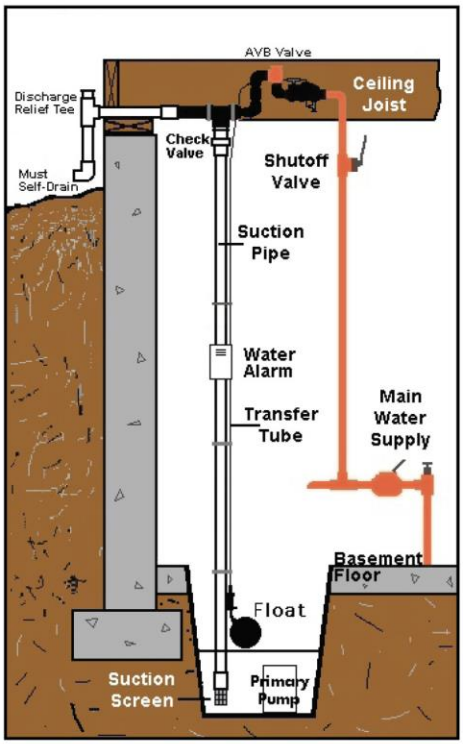
- Constructed of heavy duty, durable, corrosion resistant materials, sch. 80 polypropylene, PVC, stainless steel hardware, brass vacuum breaker (-AVB only)
- Only the float and suction pipe are in contact with sump water
- No moving parts to break and no maintenance required

Materials Included
- Ejector, float, adapters, fittings, discharge hose, transfer tube, mounting clamps, check valve, water alarm, misc. hardware, backflow preventer (-AVB model only)

Accessories
- Solder-free no-sweat water supply piping kits in ½" and ¾" sizes
- Space saver float - SF, Ideal for small or confined sump pits

Water Alarm

Typical Installation



Is Your Property Protected?

BPC - 0413

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Basepump™

Product Performance

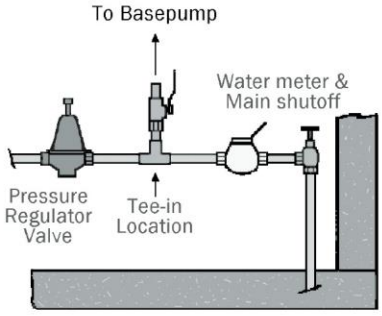
Basepump Selection		Pumping Rates (GPH)				Pipe	Water Flow Requirements
Model	Uses	40 psi	50 psi	75 psi	90 psi	Size	Gallons per minute (GPM)
RB750 Residential	Homes with normal volumes of sump water	750	800	850	900	1/2" or 3/4"	7 - GPM
HB1000 High Performance	Homes & Buildings with normal volumes of sump water	1,000	1,100	1,300	1,400	3/4"	10 - GPM
CB1500 Commercial	Homes & Buildings with large volumes of sump water	1,500	1,600	1,800	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.

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.

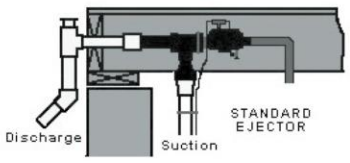
❑ *Pipeline Restrictions*

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 con ditioners, filters, etc. (see sketch). Water meter must be minimum ¾" standard.

Basepump Selection

STANDARD OUTDOOR DESIGN

Discharged water is piped outdoors

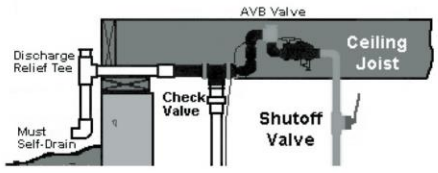


The Basepump with the typical outdoor discharge is mounted to the side of a ceiling joist and piped to the outside. This outdoor configuration provides the maximum protection because your piping is independent from the main sump pump.

Order Model:
RB750 • HB1000 • CB1500

ATMOSPHERIC VACUUM BREAKER DESIGN

Integral backflow preventer



The Basepump with a built-in approved, industry recognized atmospheric vacuum breaker prevents cross contamination of the potable water supply. The -AVB design must be piped independently outdoors.

Order Model:
RB750-AVB • HB1000-AVB • CB1500-AVB

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