



GUARDIAN

**When the power goes out,
the Guardian takes over!**

EMERGENCY Water Powered Back Up SUMP PUMP

Model 747H20

Protect your property during power outages or sump pump failure

Designed for the following uses:

- Ground water
- Sump crocks in homes, motels and hotels, schools, hospitals, industrial buildings, computer and record storage rooms

Features

- Made in the USA
- Patented activation valve for Positive ON, Positive OFF
- Designed for intermittent or continuous use
- Supplied with a backflow preventer
- Made with high quality brass and PVC materials for corrosion resistance
- McDonald Hydro Drive optimizes performance

Specifications

- Designed for de-watering
- Discharge size 1 1/4" PVC Sch. 80 (IPS)
- 3/4" FNPT Inlet
- Min. pressure 29, max. 90
- Min. water temperature 32°F.



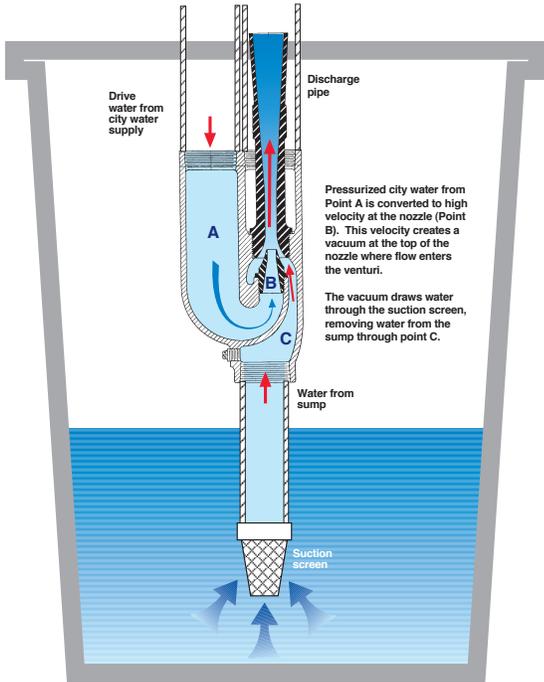
The Guardian consists of all components outlined in blue



PUMPS | WATERWORKS | PLUMBING VALVES | GAS VALVES

A.Y. McDonald Mfg. Co.

800.292.2737 | FAX 800.832.9296 | pumps@aymcdonald.com | www.aymcdonald.com



GUARDIAN®

Water Powered Sump Pump Operation

Performance in GPH

FEET of LIFT

| Inlet Pressure (PSI) | FEET of LIFT | | | | | | | No Water Removed |
|----------------------|--------------|-----|-----|-----|-----|-----|-----|------------------|
| | 5' | 7' | 9' | 12' | 15' | 18' | 21' | No Flow At: |
| 30 | 480 | 420 | 360 | 228 | 192 | 0 | 0 | 18' |
| 40 | 672 | 594 | 558 | 468 | 396 | 324 | 246 | 26' |
| 60 | 750 | 750 | 750 | 750 | 750 | 750 | 750 | 40' |

BACKFLOW OPTIONS

ORDER MODEL
BACKFLOW PROVIDED

ASSE STANDARD

OTHER APPROVALS



747H20-0001**

3/4" Reduced pressure assembly

1013

Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California



747H20-0002**

3/4" Pressure vacuum breaker assembly

1020

Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California

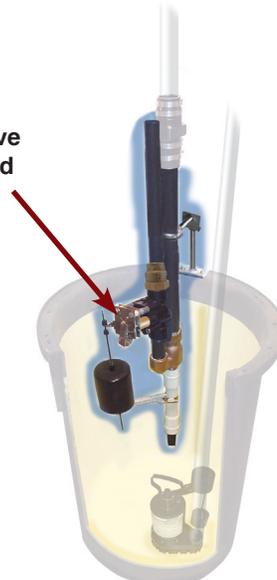
**Where required by code

Radon Ready

Model 747H20RR

Allows operating valve to be installed under cover for application where sump lid must be sealed.

Operating valve below sump lid



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