



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 an approved 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)
- Inlet size 1" FIP threads
- Min. pressure 29, max. 90
- Min. water temperature 32°F.

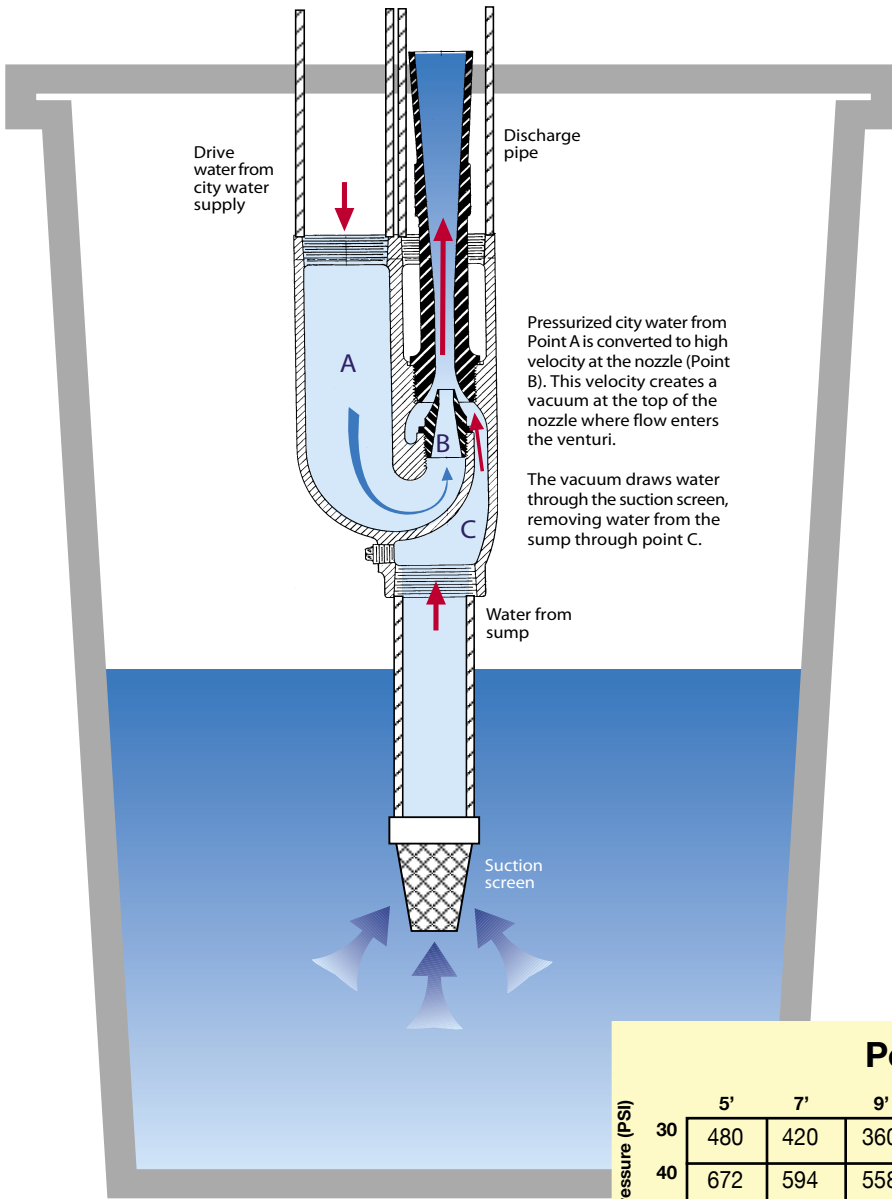
**The Guardian consists
of all components
outlined in blue**



QUALITY • SERVICE • SINCE 1856

A.Y. MCDONALD MFG. CO.

P.O. BOX 508 • DUBUQUE, IA 52004-0508 • 800-292-2737 • FAX 800-832-9296
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GUARDIAN®

Water Powered Sump Pump Operation


One gallon of fresh water removes 2 gallons of sump water, for a total of 3 gallons.

*Based on 5' lift

Inlet Pressure (PSI)	Performance in GPH							No Water Removed No Flow At:
	5'	7'	9'	12'	15'	18'	21'	
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	747H20*	747H20-0001**	747H20-0002**
BACKFLOW PROVIDED	3/4" Dual check with atmospheric vent	3/4" Reduced pressure assembly	3/4" Pressure vacuum breaker assembly
ASSE STANDARD	1012	1013	1020
OTHER APPROVALS	 Approved model	Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California	Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California

*Standard backflow device

**Where required by code



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