

# HYDROMATIC® W/D/V-A1 SUBMERSIBLE SUMP PUMP

- Basement Sumps
- Septic Tank Effluent
- Industrial Circulators
- Transfer Tanks

Automatic operation features wide-angle float switch (W-A1), or Hydromatic's exclusive pressure diaphragm switch (D-A1) or Hydromatic's vertical, mechanical float switch (V-A1). All switches feature a piggyback plug-in arrangement that allows for simple conversion to manual operation.

Cast iron body and an oil-filled motor provide superior cooling characteristics for longer pump life. Motor windings contain automatic thermal overload protection.

Energy efficient .3 HP motor pumps up to 38 GPM at 10' total dynamic head. Discharge is 1-1/2" N.P.T.



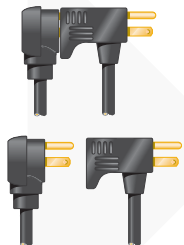
D-A1 Model



V-A1 Model



W-A1 Model



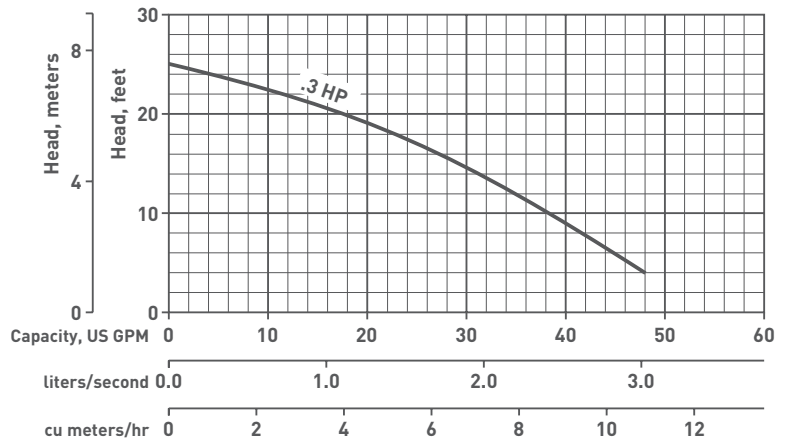
May be operated manually or automatically with a piggyback switch.

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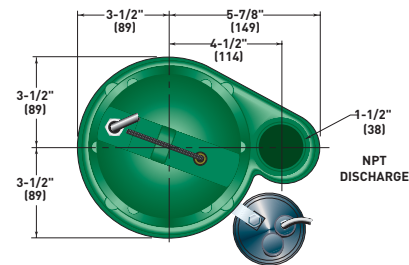
## Pump Characteristics

Pump/Motor Unit	Submersible
Automatic Models	W-A1, D-A1 & V-A1
Horsepower	.3
Full Load Amps	8.0
Motor Type	Shaded Pole (4 pole)
R.P.M.	1550
Phase Ø	1
Voltage	115
Hertz	60
Temperature	120°F Ambient
NEMA Design	A
Insulation	Class B
Discharge Size	1-1/2" NPT (38mm)
Solids Handling	1/2" (13mm)
Unit Weight	23 lbs.
Power Cord	18/3, SJTW, 10' std. (20' optional)

## Performance Data

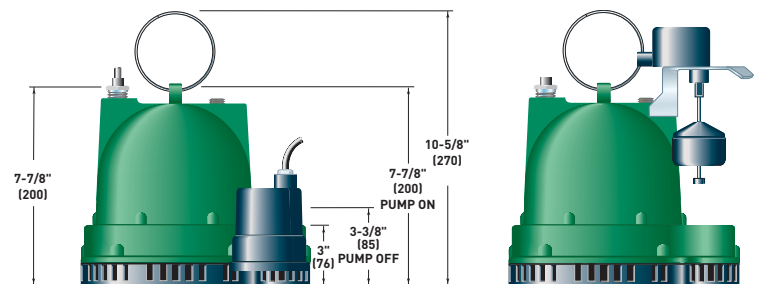


## Dimensional Data



## Materials of Construction

Handle	Stainless Steel
Lubricating Oil	Dielectric Oil
Motor Housing	Cast Iron
Shaft	Steel
Mechanical Shaft Seal	Seal Faces: Carbon/Ceramic Seal Body: Anodized Steel Spring: Stainless Steel Bellows: Buna-N
Impeller	Thermoplastic
Upper Bearing	Cast Iron Sleeve
Lower Bearing	Ball Bearing
Strainer/Base	Plastic
Fasteners	Stainless Steel



All dimensions in inches. Metric for international use. Component dimensions may vary  $\pm 1/8$  inch.  
Dimensional data not for construction purpose unless certified. Dimensions and weights are approximate.  
On/Off level adjustable.



USA  
293 WRIGHT STREET, DELAVAN, WI 53115 WWW.HYDROMATIC.COM  
PH: 888-957-8677 ORDERS FAX: 800-426-9446

CANADA  
269 TRILLIUM DRIVE, KITCHENER, ONTARIO, CANADA N2G 4W5  
PH: 519-896-2163 ORDERS FAX: 519-896-6337

Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.