



DESCRIPTION

Solo-Float is a direct acting, in-line control system for automatically controlling 1/2HP and smaller pump motors. The unit has a piggyback plug attached to the cord, allowing the user to plug the pump plug directly into it, and the plug the entire unit into a standard grounded outlet. Solo-Float is furnished with an adjustable strap for mounting to the pump discharge pipe. Standard units are pre-set at the factory for a nine inch pump down range, but Solo-Floats can easily be adjusted to various pump down cycles by shortening or lengthening the cord length at the pivot point, (See Table 1 and Dwg. PD-1 at right). The Solo-Float is also omni-directional; the pumping differential is maintained in any horizontal plane.

SPECIFICATIONS

Electrical Ratings	1/2 Horse Power Shaded Pole Motor Starting Current Not To Exceed 25 Amps
Cable	16-2 SJO W/A, 65 Strand Neoprene
Housing	Polypropylene
Clamp	1-1/2"-3" Dia. Range
Differential	Minimum 8"-Maximum 20"
Temperature Limit	50°C

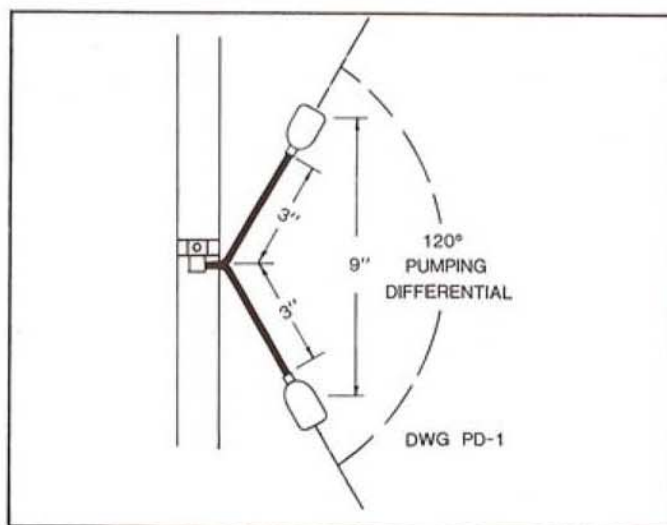
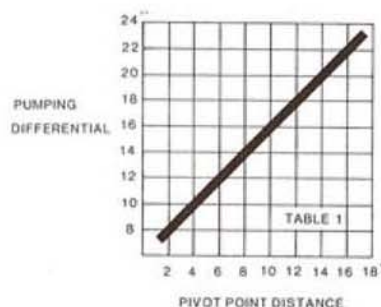
FEATURES:

- No wiring
- Single float in sump
- Omni-directional
- Adjustable clamp
- Variable pumping range
- Corrosion resistant

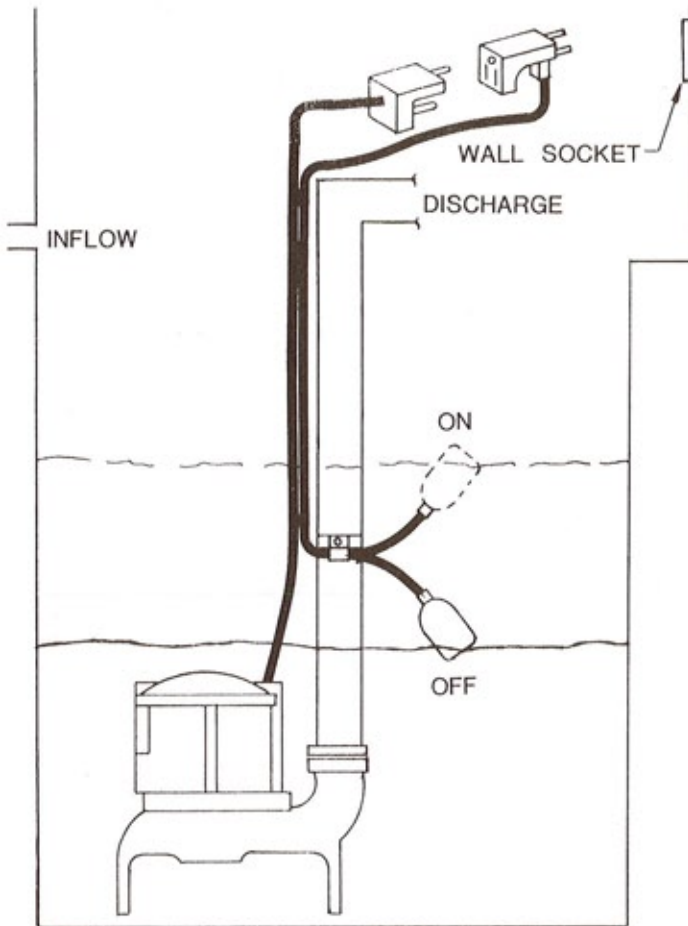
ORDERING INFORMATION

Solo-Float is available in a normally open circuit configuration for pump out applications, Model PD15NO. For pump in applications, use a normally closed configuration, Model PD15NC. Each unit comes with 15' of cord molded to the float and piggyback plug. For longer cable lengths, consult factory or distributor.

Model PD15NO ... 115v., Pump Out, Green Float
Model PD15NC 115v., Pump In, Red Float

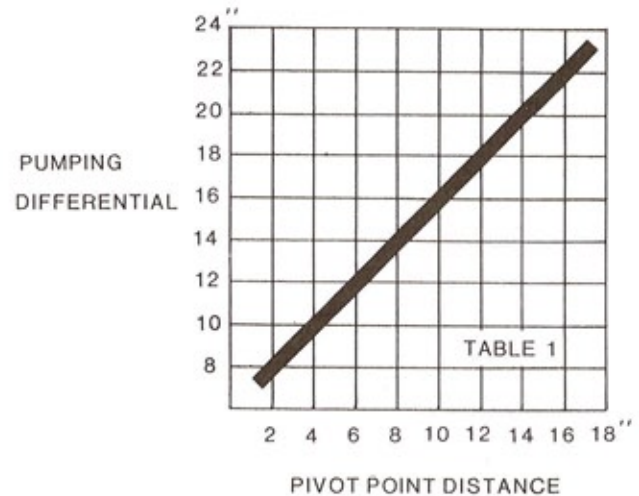


TYPICAL INSTALLATION



SPECIFICATIONS

Cable .. Neoprene, SJO W/A 16-2 65 strand, 60° C.
 Float Housing Polypropylene
 Clamp Adjustable, 1"-3" range.
 Temp. Rating 50° C.
 Electrical Ratings 1/2 HP Shaded Pole Motor.
 All others, inrush current not to exceed 25 Amps.
 Normally Open Green float housing.
 Normally Closed Red float housing.

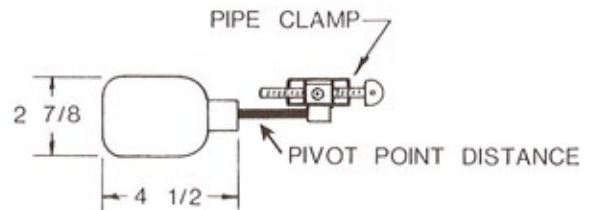


GENERAL COMMENTS

- 1.) Never work in the sump with the power on.
- 2.) Solo-Floats are factory set for a pumping differential of 9". If that is the cycle desired, simply circle the discharge pipe with the pipe mounting strap, feed the end through the worm drive, and tighten with a screwdriver. Be certain that the Solo-Float cannot hang up or foul in its swing from 'on' to 'off'. Also make certain the pump impeller is still submerged when the Solo-Float is in the 'off' mode.
- 3.) If a higher pump differential is needed, grip the cord near the neck of the float, then using the other hand, exert a steady force on the lower edge of the cable clamp. The cable clamp should slide up to the new pivot point. Attach the Solo-Float to the discharge pipe in the manner described above.
- 4.) Plug the unit into the wall receptacle, then plug the pump into the piggyback plug. One cycle of operation should be observed, so that any potential problems can be corrected.

IMPORTANT NOTE: Do **not** use Solo-Floats in gasoline, volatiles, or other combustibles. Use in accordance with local and National Electric Code.

DIMENSIONS



This product contains mercury. Dispose of in accordance with Local, State and Federal Regulations so that mercury does not contaminate the environment.

**Not For Use
in Potable Water**

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