

Diaphragm Dugout Pump



Kelln Solar's 12 volt Diaphragm Pump is a continuous duty industrial rated pump ideally suited for smaller livestock watering applications. This pump has pasture proven itself in hundreds of livestock watering situations.

Specifications

This positive displacement pump is coupled directly to a permanent magnet, direct current ball bearing continuous duty rated motor. Capacity of this pump is 3 gallons a minute. It is intended to be a surface mounted pump but may be use in well situations also. System will self prime to 6 feet. Check valves are included in systems for added protection for loss of prime. Pump may be operated solar direct or from 12 volt batteries. System can be controlled by built in pressure switch or by an external float switch.

Dugout Applications

The Diaphragm pump may be hose clamped to a post at the edge of the dugout with a filtered suction line installed in the dugout. It is recommended to cover the pump to protect from the elements. This can be done by simply putting a pail over the pump. A container is supplied with system to act as a battery box and to store the control card in to keep it away from moisture. The float switch is installed in the water trough to start and stop the system as required.

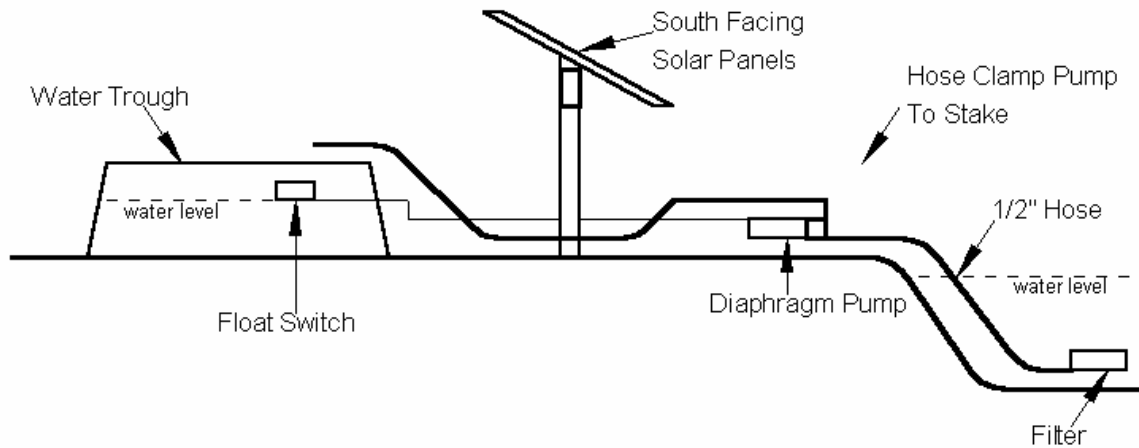
Well Applications

The pump is suspended in the well by a rope and is located with in 5 vertical feet of the water level. A filter c/w check valve is located at the end of the suction line preventing prime loss. Discharge line is installed in water trough along with float switch to turn system off and on as required. Discharge line should be placed at the bottom of water trough so that if check valve does happen to leak it will suck water instead of air thus maintaining prime.

Warranty

Both Well Systems and Dugout Systems have a warranty of 1 Year

System Setup



Pumping Situations

25 C/C Pairs, 10 Ft. Lift 50 Ft. Transfer

50 C/C Pairs, 10 Ft. Lift 50 Ft. Transfer

Items Included in Price

- 1 – Diaphragm Pump
- 1 – 32 watt Shatterproof Solar Panels
- 1 – Single Panel Stand
- 1 – 50 Ft. 1/2" Poly Hose
- 1 – Regulator & Low Voltage Disconnect
- 1 – Float switch (30 Relay Operated)
- 1 – Filter c/w Check Valve, 50 Ft. Rope
- 1 – Wiring Package (Plug-in Ready)
- 1 – Battery Box

Required But NOT Included

- 1 – Batteries, Group 27 Deep Cycle
- 1 – Pole For Panel Stand (2 3/8 O.D.)

Price: \$1049.00

(Gst & Shipping Extra)

Items Included in Price

- 1 – Diaphragm Pump
- 1 – 64 watt Shatterproof Solar Panels
- 1 – Single Panel Stand
- 1 – 50 Ft. 1/2" Poly Hose
- 1 – Regulator & Low Voltage Disconnect
- 1 – Float switch (30 Relay Operated)
- 1 – Filter c/w Check Valve, 50 Ft. Rope
- 1 – Wiring Package (Plug-in Ready)
- 1 – Battery Box

Required But NOT Included

- 1 – Batteries, Group 27 Deep Cycle
- 1 – Pole For Panel Stand (2 3/8 O.D.)

Price: \$1449.00

(Gst & Shipping Extra)