



• Bilge - Fire fighting and water walls - Ballast transfer - Deck wash - Live tanks

The KPM Bilge Predator has been designed for the commercial work boat sector, and its specification derived by market research with customers. The bilge predator apart from out performing any other electric pump on the market has also been designed to be versatile with multi purpose capability. Although the basic pump will be mounted in a fixed position it can also be released and used else where by an optional power extension lead. The pump could be used for fire fighting, deck wash, or as a back up pump for a flooded chamber or Boat in need of rescue. The bilge Predators versatility and reliability is endless.

• Specification

• Flow rates

250l/min at 0m head and 10m of suction hose

200l/min at 3m head and 10m of suction hose

180l/min at 7 m head and 10m of suction hose

Note flow will be determined by the type of hose used and any bends in the system.

• Motor

- 24v dc 350w ,3100 rpm motor max current draw of 10 A under full load torque of 1.11Nm. Mean operating torque of 0.72Nm with current draw of 9.6 A. maximum possible current draw < 16amps. No load current draw 1.2 amps.

- IP 56 rated CE certified

• Impeller

- Patented hybrid vane and stainless turbine delivers high pressure smooth pumping.
- Stainless turbine designed to macerate solids and paper in emergency situations where floating debris may be encountered

• Casing

- Robust aluminium waterproof casing hard anodised and powder coated in rescue orange. The whole pump is non conductive and will not leak current.

- 24 volt operating light indicator.

- Supplied with 4 meter marine grade power cable (optional 12m and lanyard for emergency)

- Quick release bracket for ease of removal for either rescue or inspection.

- Whole unit is totally repairable

- All cables etc; are fully potted for total waterproofing

• Easy mounting

- Quick release hard anodised bracket for ease of removal for either rescue or inspection

- Bracket base weld able to hull or bulkhead

• Wire and electrics

- All power wire is 2.5mm marine grade and tinned to BS6883 sw4

- Float switch wire 1.5mm 3 core marine grade and tinned to BS6883 SW4

- Connectors when option supplied IP68 rated at 32A at 600V ac/dc

- Cable glands are IP68 and

• Warranty

- 5 Years

• Run dry capability

The pump and motor has been tested under run dry conditions for 24 hours without damage to the pump and its components.

• Continuous running:

The pump has been tested for 5 days without effect to the pump. The motor will not overheat but there will be an amperage increase of 2 amps under these conditions unless the whole pump is covered in water.

• Air Locks:

There is an air lock bleed in the main pump chamber. If however an air lock is encountered turn the pump on for about 10 seconds turn off and then on again. This switching will eliminate the air lock and the pump will start flowing at its specified pump rate.



Integrated twin Float switch





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Electrical Specification

Normal operating capability.

24v dc 350w ,3100 rpm motor max current draw of 10 A under full load torque of 1.11Nm. Mean operating torque of 0.72Nm with current draw of 9.6 A. maximum possible current draw < 16amps at stalled state. No load current draw 1.2 amps.

IP 56 rated CE certified.

•Flow rates

250l/min at 0m head and 10m of suction hose

200l/min at 3m head and 10m of suction hose

180l/min at 7 m head and 10m of suction hose

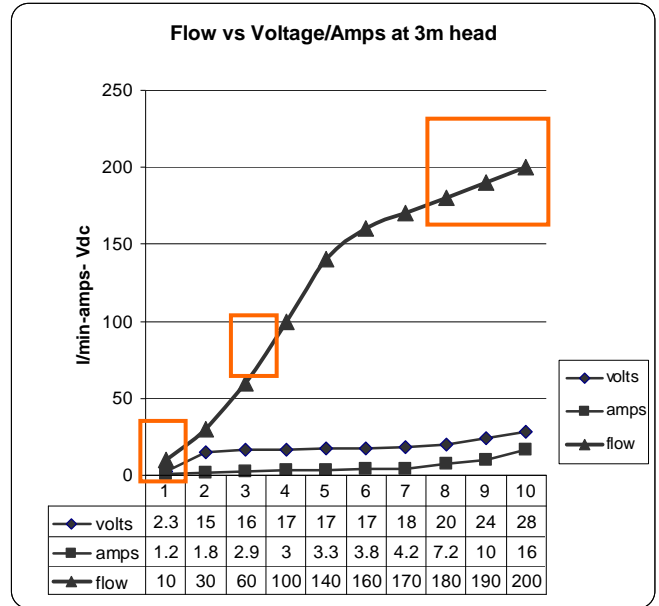
Note flow will be determined by the type of hose used and any bends in the system.

Low voltage operating capability.

16 volts ,1800 rpm max motor current draw of 2.9 A under torque of 0.36Nm. Flows 100 l/min at 3m head and 10 meters of hose.

Minimum operating

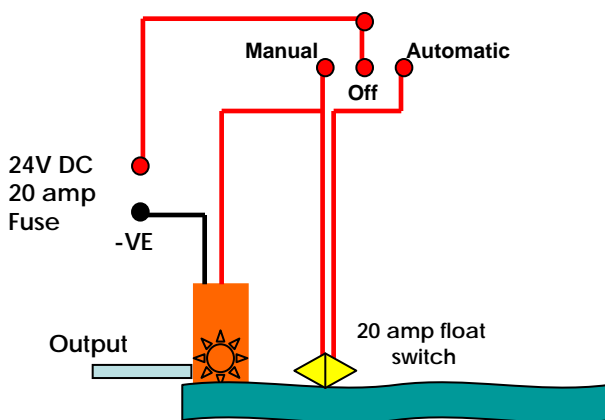
15 volts ,900 rpm current draw of 1.8 amps under torque of 0.19Nm. Flows 30 l/min at 3m head and 10m of hose



Note at full voltage loading of 28.9V DC amperage will rise to 16.3 amps at 3 meter head through 1.24 inch id pipe.

Wiring Diagrams

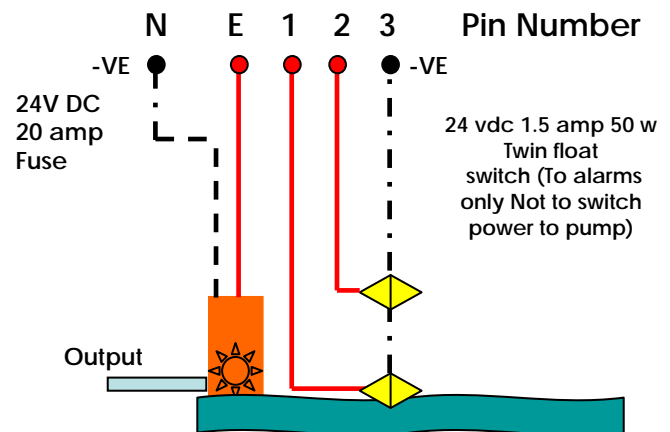
Semi Automatic



KPM350 Parts Included

- KPM 500 pump
- 1.25" BSP fitting
- 3m Cable
- Mounting bracket

Integrated Unit with twin float switch



KPM350 i Parts Included

- KPM 500 pump
- 1.25" BSP fitting
- Twin float switch
- 4m cable factory wired to plug and socket
- Mounting bracket