

The Sema EPCP

Effluent Pump Pressure Controller

The EPCP is one of a series of variable speed effluent pump controllers manufactured by Sema Ltd. This variant uses a pressure sensor to accurately control the pressure of the effluent.

The system consists of two main components:



The Sema Variable Speed Controller

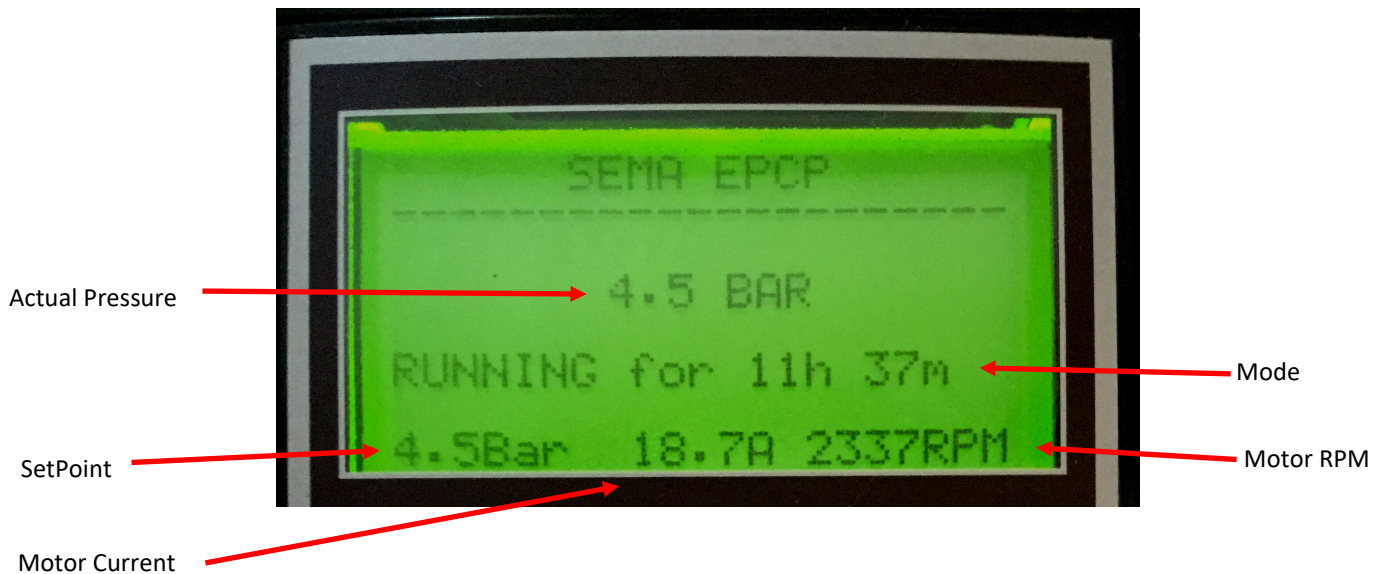


The Sema flush diaphragm pressure transducer

Installation couldn't be simpler! The Sema controller is fully waterproof and only requires protection from exposure to direct sunlight so no expensive enclosures are necessary. The Pressure Transducer is of a special type called 'flush diaphragm ' which is designed to be used with raw effluent.

Please turn the page for more features:

When running the EPCP controller screen will show the following



Features:

- ◇ Surge protection and low voltage ride-through are built in
- ◇ Fully waterproof
- ◇ Made and supported right here in New Zealand
- ◇ Will maintain the set pressure regardless of flow rate up to the pumps maximum rating
- ◇ Three different setpoints can be switched between with an external switch
- ◇ Loss of Prime protection
- ◇ Burst pipe protection
- ◇ Blocked pipe (irrigator shut off) protection
- ◇ An adjustable fill pipe delay gives time for the pipe to fill at minimum pump speed before the protections are activated
- ◇ Protected against over temperature and motor faults
- ◇ When used with a constant displacement pump (like a mono pump) the EPCP will shut down within 0.5 seconds if the maximum pressure is exceeded.
- ◇ A maximum run time can be entered
- ◇ Can control a separate agitator
- ◇ Can control a priming solenoid