

VALMATIC 38P/WLCS PUMP PROTECTOR **SPECIFICATIONS**

The Pump Protector shall allow the centrifugal pump to run when primed (flooded) and stop the pump due to loss of prime by means of a water level control switch.

The Pump Protector shall operated (open) under pressure, and allow entrapped air to escape from the suction pipe and centrifugal pump volute, to allow the pump to become primed. After air escapes out of the valve orifice, the valve orifice shall close, by means of a compound lever mechanism activated by a float to prevent water from escaping. Meanwhile water shall fill the level control body, thereby raising the float to make the level control switch circuits, and start the centrifugal pump. The valve orifice will then stay closed until more air accumulates in it and the opening cycle will repeat automatically to prevent air binding of the pump, should a major air bubble enter the pump.

The valve compound internal lever mechanism shall be stainless steel with stainless steel pins and float. The stainless steel float must withstand a minimum pressure of 1000 psi, for increased buoyancy to insure drop-tight shut-off while the pump is running.

Level control switch shall be single pole/single throw or single pole/double throw or double pole/double throw style. (Engineer to select one style).

All materials of construction shall be certified in writing to conform to A.S.T.M. specifications as follows:

Interior/Exterior	NSF-61 Epoxy Coated
Body & Cover	Cast Iron
Internal Linkage	Stainless Steel
Float	Stainless Steel
Needle	Buna-N
Flo-Tech Level Control Switch	Commercial

Valve to be Valmatic 38P/WLCS as supplied by Syntec Process Equipment Limited.