



## Support Valves

# Crispin Pump Protector

### Product Function

- **Helps protect pumps when an application becomes airbound**
- **Can also open or close an electric circuit of an alarm system**

**T**he water level control switch is mounted in parallel with the air release valve. As the liquid level rises in the valve body, the float is buoyed and seats the valve. The float switch rises, and either opens or closes line contacts. Air is released continuously and automatically while the pump is in operation.

If the air release valve should malfunction and not release air, the pump could become air bound and dramatically lose efficiency or become damaged. A water level control switch would prevent this from occurring, because it too would become air bound, causing its float switch to drop with the receding liquid level. This change in the float switch position will open the pump circuit and signal an alarm.

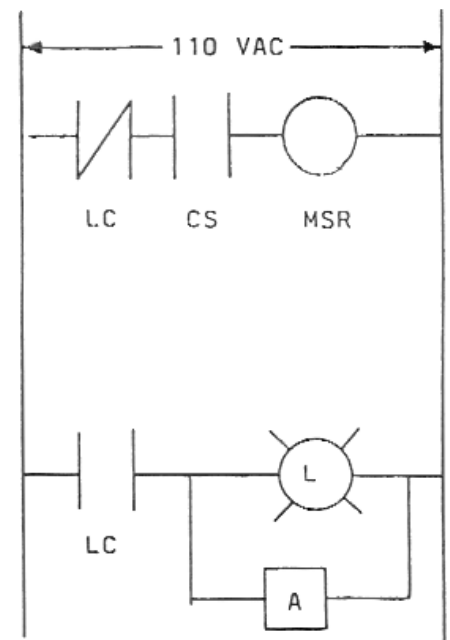


### Potable Water Units

MODEL	INLET	WEIGHT	HEIGHT	WIDTH
PL10/WLC	1"	76 lbs.	15"	21 1/2"
PL10A/WLC	2"	79 lbs.	16"	22"
PL20/WLC	2"	120 lbs.	16"	22"
P30/WLC	3"	235 lbs.	19"	24"
P40 /WLC	4"	285 lbs.	22 "	26 "

### Sewage Units

SL20/WLC	2"	105 lbs	27"	22"
SL30/WLC	3"	197 lbs.	28"	23"
SL40 / WLC	4"	202 lbs.	28"	24"



- MSR** Pump Motor Starting Relay
- CS** Control Switch
- LC** Water Level Control Switch
- L** Warning Light
- A** Alarm