



Perfect Pressure Pump Residential Booster specification

1. Pump shall incorporate an integral all aluminum IP 66, wash-down duty VFD. No plastic allowed.
2. Drive shall incorporate a single pressure adjustment knob to adjust pressure from 0-80 PSI.
3. Drive shall incorporate waterproof conduit fittings for connecting 220V single phase power.
4. Drive shall be UV resistant and be mounted in direct sunlight with no adverse effect.
5. Drive shall have internal convection fan to circulate heat internally without mixing internal and external air. Fan operation shall be temperature controlled.
6. Drive shall have the ability to reset low pressure, high pressure, pipe break, high voltage, low voltage and ground faults by adjusting pressure knob full CCW for 2 seconds.
7. Drive shall incorporate predictive PID algorithm to allow for fast response to flow demands without over shooting or hunting while at set point.
8. Drive shall incorporate no flow algorithm shutting down drive when no flow occurs.
9. Drive shall incorporate an Anti-cycle algorithm that will not cycle the pump on or off when low leak down pressure drops below set point.
10. Drive shall incorporate conformal coating circuit boards to prevent against condensation.
11. Motor shall be powder coated aluminum with IP56 rating suitable for outdoor use.
12. Motor shall have aluminum powder coated mount for foot mounting suitable from outdoor use.
13. Pump shall incorporate 100% stainless steel construction including impeller.
14. Pump shall be able to supply 24GPM with 40 PSI boost.
15. Pump shall incorporate an integral VFD with no external motor wires exposed.
16. System shall incorporate all stainless steel couplings; check valve, transducer and 0-100 PSI outlet pressure gauge.
17. System shall be upgradeable without the use of wires or external PC.
18. System shall operate at 74 db. or lower sound level at 1 meter at full speed.
19. System shall not require a bladder tank to prevent pump cycling or to assist in pressure regulation.
20. System shall be compact with dimensions not to exceed 13.5" High by 14" Long by 8" wide.