

# MODEL BPS-CM440 BOOSTER PUMP

The BPS-CM440 booster pump system consists of a multi-stage stainless steel pump with a control panel and bladder type pressure tank. The booster pump system is required where there may be insufficient water pressure to develop a proper water spray pattern for a Spark Detection and Extinguishing system.



The multi-stage pump is not a well pump and requires a positive input pressure. It should never be run dry. A pressure switch in the control panel monitors the incoming water pressure. The pressure switch controls the pump through a motor contactor and thermal protector to maintain a pressure of 65 to 100 PSI. The pump will normally turn on at 80 PSI and turn off at 90 PSI. The pressure tanks are sized based on the size of the Spark Detection System and operation. Single zone systems that shut down on detection of a spark require only the base 20 gallon pressure tank. Multiple tanks may be added for larger systems or systems that continue to operate on detection of a spark.

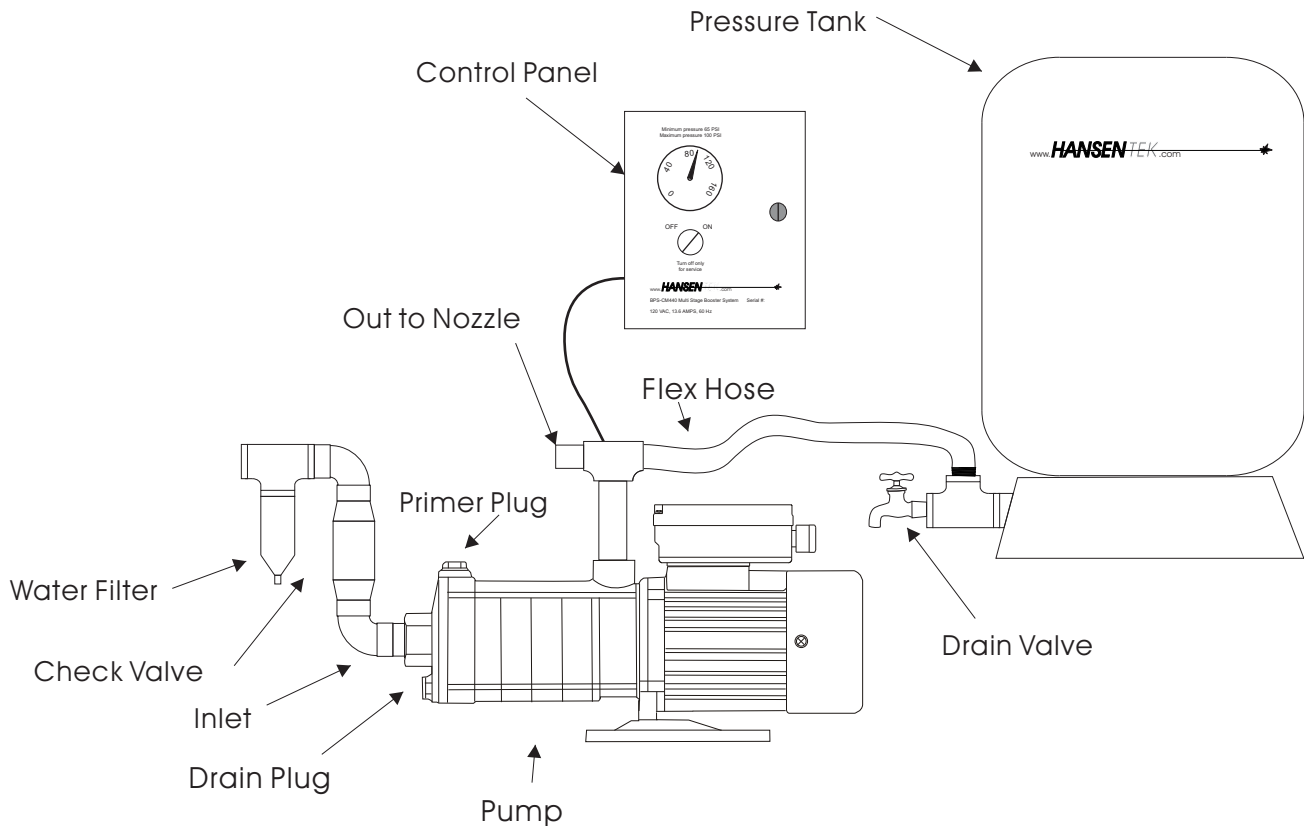
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# Specifications

- Single Phase 120V/60 Hz 13.6 Amps
- Protection IP55
- Thermal Protection
- Continuous Duty
- Dimensions including stand:
  - 42"L x 20.5"W x 30"H (with 20 gallon tank)
  - 171 pounds (with empty tank)
- Liquid Temperature: +10 °C to +70 °C
- Maximum Environmental Temperature: +50 °C
- Maximum Operating Pressure: 10 bar



# Pump Installation

- Pump in and out connections are 1"
- A dedicated and locked-out 20 amp breaker is recommended

