

700 Series Pump Pad

7-2



700 Series

Pump Pads

H₂O
P A R T S
a wm. hobbs ltd. company



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700 Series

Pump Pad

Function:

The 700 Series Modular Pump Pads are pre-engineered and pre-fabricated mechanical/electrical equipment pad systems, designed for installation in mechanical equipment rooms on projects where an underground pumping station is not feasible. Each Modular Pumping Pad arrives at the jobsite assembled, tested and ready to set in place to accept the interconnecting piping and conduits. This concept allows a single source responsibility for the total fountain package.

The mechanical and electrical support equipment is factory assembled onto a 7 gauge, type 304 stainless steel pad. Each pad has two 2" turn-down anchoring flanges with 9/16" holes, for securing to the floor. The size of the pumping pads range from approximately 2' x 4' to 5' x 5', with the final size for your specific project to be determined by the equipment to be mounted.

Specifications:

Each 700 Series Modular Pump Pad is designed and manufactured with the following equipment as basic standards. Modification of the standard equipment is as necessary based on the projects requirements.

Filtration System - The filtration system utilizes a cartridge filter consisting of:

- Type 304 stainless steel canister with a single, non-woven polyester cartridge element
- Automatic air relief
- Stainless steel lid with brass wing nuts for easy disassembly and cleaning
- 2" bottom-mounted inlet and outlet
- Electro-polished for resistance to corrosion
- Includes spare cartridge element, reducing down time during filter cleaning

U.L. listed Electrical Control Panel:

- NEMA 3R weatherproof painted steel enclosure
- Main disconnect for power supply
- Panel board with circuit breakers
- Magnetic motor starter rated for the pump(s) selected
- H-O-A selector switches for the pump(s), vent fan and fountain lights
- 24-hour programmable time clock that is designated for two channel operation Fill /

Water Level Control Manifold:

A Fill / Water Level Control Manifold, with a nominal pipe size of 3/4", 1", or 1-1/2" depending on the size of fountain, consisting of the following:

- Type 'K' copper construction
- "Quick-fill" ball valve (bronze body)
- Backflow preventer (bronze body, Watts #007 double check valve style; four air relief valves)
- Pressure gauge (0 - 100 psi scale, steel body)

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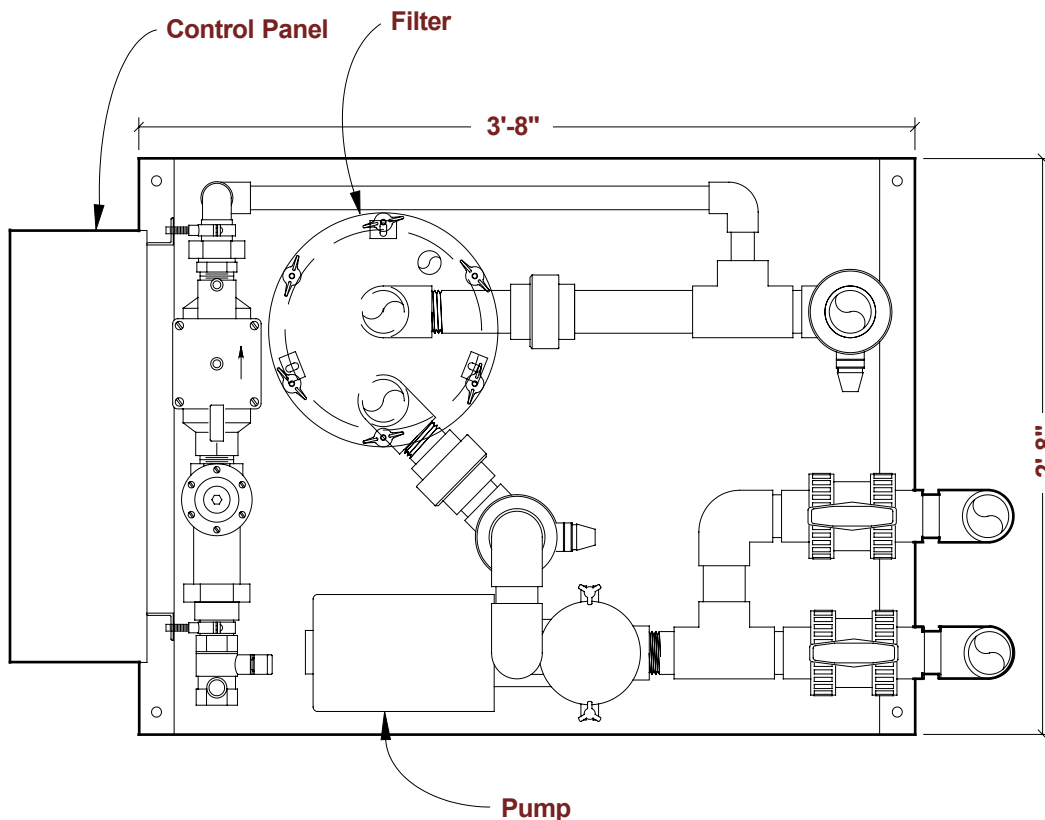


Water Level Control Manifold (continued):

- Pressure reducing valve (bronze body with integral strainer and union connection inlet)
- 3/4", 120 volt, single phase, slow-closing 'make-up' solenoid valve (bronze body construction with NEMA 4 coil enclosure)
- Isolation gate valve (bronze body) on 3/4" and 1" versions, or 3/4" hose bibb (bronze body; for convenient water source) and 3/4" check valve on 1-1/2" versions

The electrical control panel can be pre-assembled onto the stainless steel pad or shipped loose for placement on an equipment room wall or the panel can be remotely located.

The required pumping system is designed in accordance with the fountain's aesthetic requirements. In many cases the display pump can also be utilized to operate the filtration system. In situations where the display pump requirements exceed the design requirements for the filter, a second pumping pad is added for the filtration function.



The 700 Series Modular Pump Pads are custom manufactured per the requirements for each fountain project. Contact our office for pricing and ordering information.

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