

Number of Pumps: \_\_\_\_\_\_

## **CAST IRON SUBMERSIBLE SUMP PUMP-** MCIO SERIES

## **SPECIFICATIONS**

<ul> <li>Primary Design Flow: _</li> </ul>	
• Primary Design Head:	
• Max Performance: 1/3	3 HP - 48 GPM - 24' or 1/2 HP - 63 GPM - 32'
◆ Motor Speed:	1650 RPM
• Electrical:	115 Volts, 1Ø, 60 Hz
	esigned to handle sump & light effluent and be capable of passing 1/2 inch spherical solids. The pump shall be with temperatures to 140°F intermittent.
for 115 v switches. Stator winding sh housing shall be filled with o	all be of the submersible type rated 1/3 HP - 48 GPM - 24' or 1/2 HP - 63 GPM - 32' at 1650 RPM and shall be volts single phase, 60 cycles. Single phase motor shall be of the shaded pole type with no relays or starting hall be of the open type with Class A insulation rated for 105°C maximum operating temperature. The winding clean dielectric oil to lubricate bearings and seals, and transfer heat from the windings to the outer shell. The hall be pressed into the stator housing for best alignment and heat transfer.
objectionable noise or vibra	of operating over the full range of the performance curve without overloading the motor and causing any ation. The motor shall have two bearings to support the rotor; an upper sleeve bearing to accommodate radial aring with thrust pad to take thrust and radial loads.
	nd overload shall be attached to the top end of the motor windings and shall be wired in series with the if the motor winding temperature reaches 221°F. The overload thermostat shall reset automatically when the ting temperature.
cords shall be of the positiv	wer cord shall be 10 or 20 feet SJOW or SJTW type. The power and switch e sealing, quick-disconnect type. The power and switch cable connections shall be sealed at the motor appression nut which serves to make a positive electrical connection and prevent water from entering the cable
	The effluent pump shall be controlled by an optional integral float switch. The float switch shall be of a non-le of directly controlling the pump motor without the need for an external control panel.
	l be protected by a rotating mechanical shaft seal. The seals shall have carbon and ceramic seal faces lapped and. Metal parts and springs for seals shall be 300 series stainless steel.
Pump Impeller - The pump	impeller shall be of the two vane enclosed type. The impeller shall be constructed of cast iron.
_	r housing castings shall be of high tensile strength Class 30 gray cast iron. Castings shall be treated with a high quality air dried modified epoxy resin for corrosion protection.
	e shall be a high efficiency volute design capable of passing 1/2 inch spherical solids. The pump volute shall be sistant, high impact, engineered thermoplastic.

Effluent Pumps - Pump(s) shall be Pentair Myers MCIO Series pumps selected in accordance with the following design criteria:

293 Wright Street, Delavan, WI 53115, USA Phone: 888.782.7483 Orders Fax: 800.426.9446

Fasteners - All exposed fasteners shall be of 300 series stainless steel.

490 Pinebush Road, Unit 4 Cambridge, Ontario N1T 0A5, Canada Phone: 800.363.7867 Orders Fax: 888.606.5484 pentair.com

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