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Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.



SECTION: 25.10.400ZM1835
0423

Supersedes
0422

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X6160 & X6180 HAZARDOUS LOCATION SERIES



CLASS I, DIVISION 1, GROUPS C & D CLASS I, ZONE 1, GROUPS IIA & IIB GUIDE SPECIFICATIONS Commercial Duty Effluent Pumps



1.01	GEN	IERAL

Contractor shall furnish all labor, material, equipment and incidentals required to provide	_ (QTY.) submersible centrifugal effluent /
dewatering pump(s) with vortex impeller rated for Class I, Division 1, Groups C & D and Class I, Zo	ne 1, Groups IIA & IIB locations as specified
a a value	

8.01 IMPELLER

The impeller shall be of a fully balanced cast iron vortex design. It shall be capable of passing a solid sphere of 0.75". It shall have pump out vanes located on the back shroud to keep debris away from the seal area. Attempts to improve efficiency by coating impeller shall not be acceptable.

9.01 PAINTING

The pump shall have a corrosion resistant powder coated epoxy finish on all exterior surfaces of 5 mils thick. The color finish will be green.

____ Optional coating shall be double epoxy finish protecting all castings coming in contact with the liquid.

10.01 SERVICEABILITY

Components required for the repair of the pump shall be readily available within 24 hours. Components such as mechanical seals and bearings shall not be of a proprietary design and be available from local industrial supply houses. Special tools shall not be required to service the pump. A network of approved service stations shall be available.

11.01 SUPPORT

The pump shall have cast iron support legs enabling it to be a freestanding unit.

For those situations where a freestanding unit is not desired, the following support components are available.

Non-sparking rail system with pump suspended from a coupling base by means of a sealing plate attached to the pump. Rail pipes are to be provided by others.

SS intermediate stabilizer required for rail systems used where basin depths are greater than 12 feet.

12.01 TESTING

Each pump shall run in liquid before being shipped. It shall be checked at its maximum running point for performance, amps, grounding, winding insulation, and water tightness.

An optional certified performance test based on the Hydraulic Institute or SWPA (Submersible Wastewater Pump Association) Test Standard for submersible pumps.

Start up services at the job site by an authorized representative of Zoeller Engineered Products shall be required. Start-up report form ZM1074 should be completed in the presence of the installers and returned to the Project Engineer or Zoeller Engineered Products.

13.01 WARRANTY

Standard warranty shall be 18 months from date of manufacture, 12 months from date (proof of purchase required) of purchase or 12 months from date of start up with start up on file with Zoeller.