PENTAIR

MYERS®

Specifications
SRA2530 Series
Grinder Pump Lift-Out Rail Systems

GENERAL – Furnish and install a complete grinder pump system consisting of _____ (qty) Myers _____ (model number) submersible grinder pumps and _____ lift-out rail systems, valves, controls, access cover(s) and all other appurtenances to make a complete system. For hazardous locations, the lift-out rail systems shall be of nonsparking design and shall be listed for hazardous location service.

COMPONENTS – Each lift-out rail system shall consist of a ductile iron discharge base, cast iron (brass faced for hazardous locations) pump attaching and sealing plate, stainless steel pump guide plate (brass for hazardous locations), and cast iron elbow. All exposed nuts, bolts, and fasteners shall be of 300 series stainless steel.

ELBOW (if applicable) **–** Discharge elbow shall be _____. Elbow shall bolt onto base and have standard 125 lb. flanges.

SEALING – A sealing plate shall be attached to the pump. A simple downward sliding motion of the pump and guide plate on the guide rails shall cause the unit to be automatically connected and sealed to the base. The mating faces of the sealing plate shall be machined to provide a metal-to-metal, leakproof seal at all operating pressures. For hazardous locations, the open face of the sealing plate shall have a dovetailed groove machined into the face to hold a sealing O-ring which shall provide a leakproof seal at all operating pressures.

GUIDE RAILS – Two rail pipes shall be used to guide the pump from the surface to the discharge base connection. The guide rails shall be 1-1/2" Schedule 40 _____ galvanized or _____ stainless steel pipe. The weight of the pump shall bear solely on the discharge base and not on the guide rails. Rail systems that require the pump to be supported by legs that might interfere with the flow of solids into the pump suction will not be considered equal. The guide rail shall be firmly attached to the access hatch frame. Systems deeper than 21 feet shall use an intermediate guide for each 21 feet of wetwell depth.

LIFTING CHAIN – An adequate length of _____ galvanized or _____ stainless steel lifting chain shall be supplied for removing the pump. The chain shall be of sufficient length and shall include an adequate number of lifting rings for easy removal.

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