

Typical Specifications Moyno Sanitary Pumps

Job Ref.: _____
Equip. Ref.: _____

GENERAL DESCRIPTION:

The _____ (service) pump(s) shall be heavy duty, positive displacement, cradle-mounted _____ (number of stages) stage, progressing cavity type. The normal vertical port may be rotated at 90° angles perpendicular to the center line of the pump.

The bearing housing, bearing cover plate shall be of cast iron. These parts shall be smooth and free of sand holes, blow holes and other defects.

The suction housing, discharge reducer and all wetted internal parts, shall be of (300 series or 17-4 pH) stainless steel. All of these parts shall have a No. 4 finish or better.

All inlet and outlet connections shall be gasketed clamp style, or _____. Open throat models shall have a rectangular flanged inlet connection and a gasketed clamp style outlet.

The rotor shall be machined and polished stainless steel, chrome plated single helix. It shall have a normal chrome plate of (.010/.020) for a maximum abrasion resistance.

The stator shall be molded elastomeric, double helix, chemically bonded to a stainless steel tube. The _____ (stator material) stator shall be held in place with the use of tie rods and sealing gaskets.

The universal joint shall be of the pin type. It shall be of adequate design to transmit the required thrust and torque while allowing the rotor to move in its eccentric path.

The drive shaft shall be of the two-part design with the intermediate shaft removable for cleaning. The intermediate shaft shall pass through the drive shaft and be pinned to allow for disassembly without disturbing the bearings.

The bearings will be of the (sealed ball/tapered roller) type and shall not require relubrication between service intervals

The sanitary pump will be fitted with a mechanical seal or a stuffing box shall be equipped with split food grade packing and a packing gland. Fittings will be provided for lubrication of the packing.

The pump shall be capable of being disassembled for cleaning using common tools.

The pumps shall meet the sanitary requirements of 3A and BISSC and will be manufactured from materials meeting the requirements for food contact by the FDA.

MATERIAL SPECIFICATIONS:

Cast Iron Components	Gray iron class 30
Drive Shaft	316 S.S. or 17-4 pH stainless
Intermediate Drive Shaft	316 S.S. or 17-4 pH stainless
Connecting Rod	316 S.S. or 17-4 pH
Drive Pins	316 S.S. or 17-4 pH stainless
Rotor	316 S.S. w/hardened chrome plating or 17-4 pH stainless w/hardened chrome plating
Packing	White food grade Teflon (packing does not meet 3A requirements)
Std. Stator Elastomers	Nitrile, EPDM, fluoroelastomer, natural rubber — all food grade
Mechanical Seal	Durametallc FRO with carbon and ceramic faces

PERFORMANCE SPECIFICATIONS:

The _____ pump(s) shall be capable of pumping _____ U.S. GPM of _____ against _____ psi of total discharge pressure at a maximum of _____ RPM. The minimum drive horsepower shall be _____.