Specifications
4RC and 4RCX Series

PUMP MODEL – Pump shall be Myers Model Numbers 4RC/4RCX Solids Handling Submersible Pump with

and D hazardous location service (4RCX only).

OPERATING CONDITIONS – Pump shall have a capacity of _____ GPM at a total head of _____feet and shall use a _____ HP motor operating at _____ RPM.

MOTOR – Pump motor shall be of the sealed submersible type rated _____ HP at _____ RPM, 60 Hertz. Motor shall be for three phase 200 volts _____, 230 volts _____, 460 volts _____ or 575 volts _____. Motor shall be NEMA B type.

Stator winding shall be of the open type with Class H insulation good for 180°C (356°F) maximum operating temperature. Winding housing shall be filled with a clean high dielectric oil that lubricates bearings and seals and transfers heat from windings and rotor to outer shell. Air-filled motors that do not have the superior heat dissipating capabilities of oil-filled motors shall not be considered equal.

Motor shall have two heavy duty ball bearings to support pump shaft and take radial and thrust loads and a sleeve guide bushing directly above the lower seal to take radial load and act as flame path for seal chamber. Ball bearings shall be designed for 50,000 hours B-10 life. Stator shall be heat shrunk into motor housing.

A heat sensor thermostat shall be attached to and embedded in the winding and be connected in series with the motor starter contactor coil to stop motor if temperature of winding is more than 302°F. Thermostat to reset

_____

seals. Seal chamber shall be oil filled to lubricate seal face and to transmit heat from shaft to outer shell.

Seal face shall be carbon and ceramic and lapped to a flatness of one light band. Lower seal faces shall be _____ carbide (optional).

A double electrode shall be mounted in the seal chamber to detect any water entering the chamber through the lower seal. Water in the chamber shall cause a red light to turn on at the control box. This signal shall not stop the motor but shall act as a warning only, indicating service is required.

IMPELLER – The impeller shall be ductile iron and of the recessed type. e-octavndsseall u re(d) -0.2 ( ) 0.2 (t) 0.2 (yoe) -0.2 ab

PUMP CASE – The volute case shall be cast iron and have a flanged center line discharge. Discharge flange shall be 4" standard with bold holes straddling centerline. The pump case shall have a minimum of 3" diameter openings to allow for free passage of a 3" diameter spherical solid.

PUMP AND MOTOR CASTING – The pump shall be painted with waterborne hybrid acrylic/alkyd paint. This