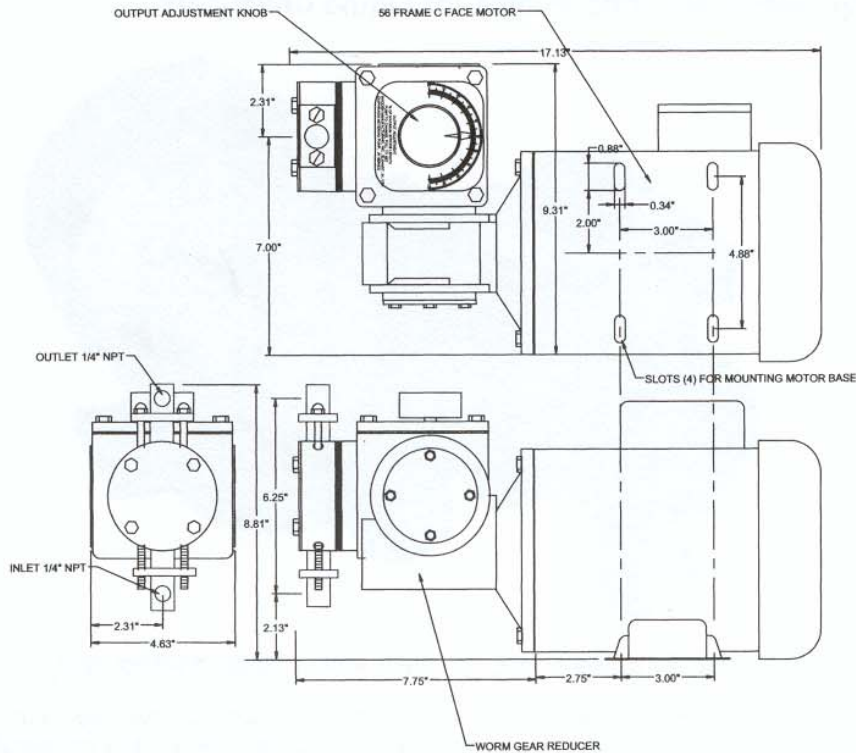


JN SERIES DIAPHRAGM METERING PUMPS

DIMENSIONAL DIAGRAM, JN SERIES SIMPLEX PUMP



SPECIFICATION: The Contractor shall furnish a diaphragm metering pump as follows: liquid to be pumped: (liquid), pumping rate: ___ GPH, at a maximum pressure: ___ PSI. The pump output will be adjustable from 0 to 100% while the pump is running using an adjustment knob located on the pump top. The pump will be of the mechanical diaphragm type with the piston directly connected to the diaphragm. Double check ball valves for both the suction and discharge connections will be included. The industrial grade gear reducer will have a bronze wheel and steel worm, and will be permanently lubricated. The pump mechanism will be enclosed and running in an oil bath. No external lubrication will be required. Pump wetted end materials of construction: wetted end: _____, diaphragm: ____, replaceable valve seats: Teflon, double valve balls: _____, (optional: Type DDB double diaphragm will be provided for extra protection from the pumped liquid, backup diaphragm material: _____.) Piping connections will be 1/4" NPT.

The motor will be 56 frame C face, directly mounted to the gear reducer, 1/4 HP, 1/60/115-230, 1725 rpm, TEFC. Paint finish: (manufacturer's standard acrylic enamel, or optional polyurethane top coat with epoxy primer for premium corrosion resistance.)

Preferred manufacturer: Madden Manufacturing, Inc., Model no. JN10 _A (simplex or duplex) diaphragm metering pump, rated for (1,2,4, 5 or 7) gallons per hour.

Wetted end materials to resist corrosion and abrasion

Solution head and valve bodies	Diaphragm	Backup Diaphragm	Valve balls	Valve seats
PVC	Neoprene	Neoprene	316 SS	Teflon
Teflon	Teflon faced		Ceramic	
316 SS	Hypalon	Hypalon	Hastelloy C	
Carpenter 20	Viton	Viton		