

## SAFETY INSTRUCTIONS



Before using any Fluid Metering product, read the following safety instructions, as well as specific product specifications and operating instructions.



**Warning!** Fire, electrical shock or explosion may occur if used near combustibles explosive atmosphere, corrosive air, wet environment or submerged in fluid.

- Turn off the electrical power before checking pump for any problems.
- Connect motor, speed controllers, or any other electrical devices based on Fluid Metering specifications. Any unauthorized work performed on the product by the purchaser or by third parties can impair product functionality and thereby relieves Fluid Metering of all warranty claims or liability for any misuse that will cause damage to product and/or injury to the individual.
- Power cables and leads should not be bent, pulled or inserted by excessive force. Otherwise there is a threat of electrical shock or fire.
- Replace any inline fuses only with fuse rating as specified by Fluid Metering.
- When pump/drive is under operation, never point discharge tubing into face or touch any rotating components of pump.
- In a power down thermal overload cut-in condition, unplug or turn off power to pump. Always allow a cool down period before restarting: otherwise, injury or damage may occur.
- For 30 seconds after power is removed from pump/drive: do not touch any output terminals. Electrical shock may occur because of residual voltage.



**Caution! Fire, electrical shock, injury and damage may occur if not used in accordance with Fluid Metering specifications and operation instructions.**

- Do not put wet fingers into power outlet of unit.
- Do not operate with wet hands.
- Do not operate drive assemblies that require a hard mount (to be bolted down) unless they are mounted per Fluid Metering specifications, if not injury may occur and/or damage to unit.
- Do not touch any rotating pump or motor components: Injury may occur.
- Do not run pump dry, unless designed for that service. Running dry is harmful to the pump, and will cause excessive heating due to internal friction.
- Check pump rotation and inlet/outlet pump port orientation before connecting power to pump. If not, injury may occur.
- When pulling out cords from outlets - do not pull cord, grasp plug to prevent plug damage or electrical shock.
- Fluid Metering Drive Motors become HOT and can cause a burn. **DO NOT TOUCH!**

### IMPORTANT NOTE:

For proper pump operation RH/Q ADAPTER BRACKET H481-1 must be positioned over RETAINER ASSEMBLY Q616 as shown in Fig. 1.

Please see RH Pump Instructions (H431) for additional RH Pump Head assembly information.

### ADAPTION

The RH/Q Kit adapts the RH Pump Heads to standard Fluid Metering Q Pump Drive Modules. Assemble as follows (reference Fig. 2):

- Assemble Kit parts to RH pump head as shown with "shoe" of part H481-1 down. Slip COUPLING H482 fully onto pump shaft, with its slot away from pump head and SET SCREW 110288-4 contacting the flat on the pump shaft.
- Insert DRIVE PIN 110301 of Kit into SPHERICAL BEARING 110292 as shown.
- Position coupling slot to accept P/N 110301. On Q drives the shoe is slipped between the base Q402 and Q616 assembly.
- Tighten THUMB NUTS and operate motor. If noisy, alter position of BRACKET under RETAINER PLATE slightly while operating until minimal noise position is found. Retighten THUMB NUTS.

Fig. 1

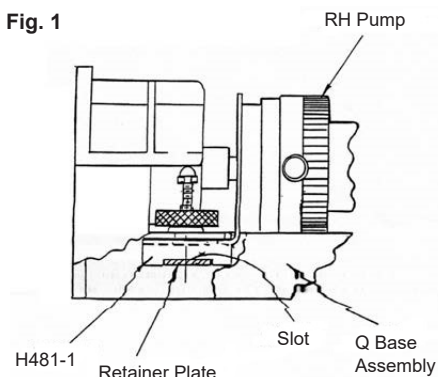
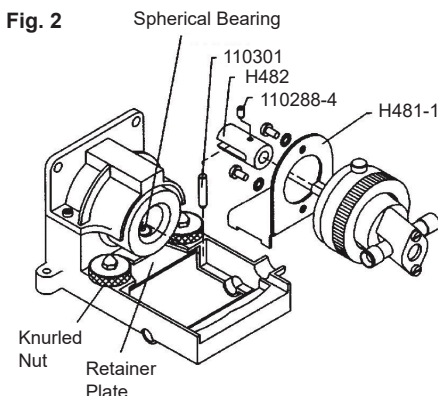


Fig. 2



**PARTS ORDERS**

**MINIMUM ORDER APPLIES FOR DOMESTIC or FOREIGN (Invoice price exclusive of shipping)**

**SHIPPING**

**Parts orders will be shipped via United Parcel Service or U.S. Postal Service unless other means are specified.**

**ALL PRICES ARE QUOTED IN U.S. DOLLARS, FOB SYOSSET, NY - Subject to change without notice.**

**For Additional Information Call - Toll Free 800-223-3388 or email us at: [pumps@fluidmetering.com](mailto:pumps@fluidmetering.com)**



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