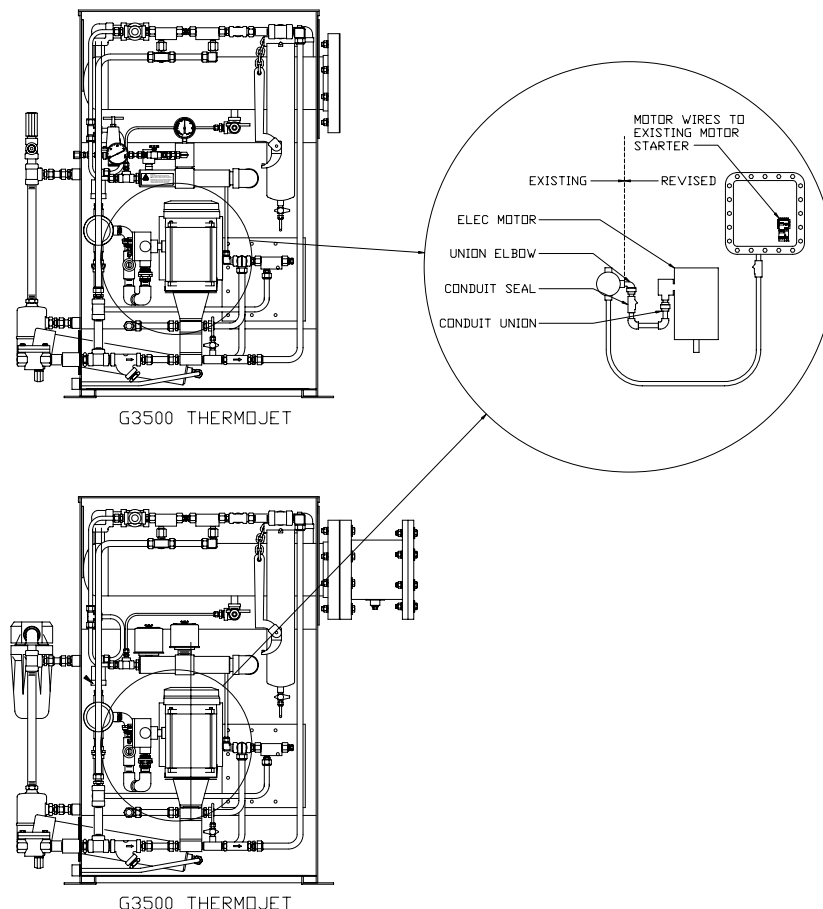


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Subject: Change in Electric Motors for H2500 and G3500 THERMOJet Oil Purifiers

This PQSC TECH Bulletin is provided to distribute information regarding a change in the electric motor driver used on the THERMOJet Model H2500 and G3500 Oil Purifiers with 460 vAC 50/60 Hz and 380/400/415 vAC 50 Hz motor drivers.. The motor manufacturer has made a change to the motor, whereby the motor junction box has been relocated. None of the prior design motors are available and none will be supplied by the manufacturer in the future.

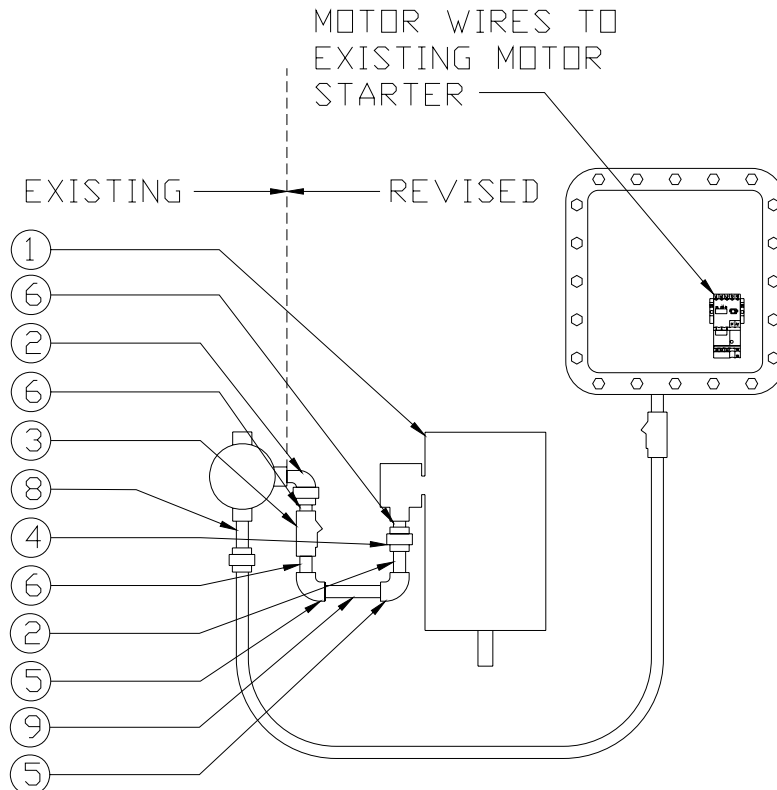
LSC has addressed the issue by making a revision to the assembly to accommodate the new motor. However, this change will also affect service and maintenance when a motor replacement is warranted in oil purifiers having the prior design. In addition to the motor change itself, the CSA listing for the THERMOJet incorporates an additional conduit seal and union in both the H2500 and G3500.

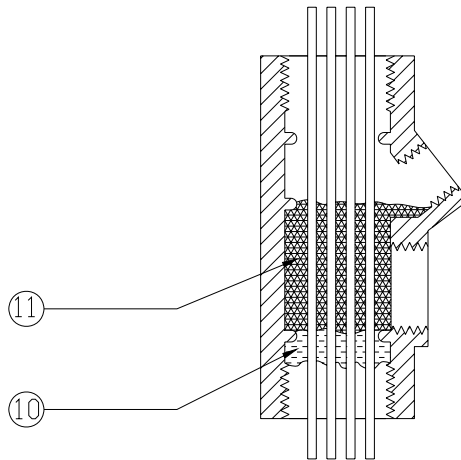
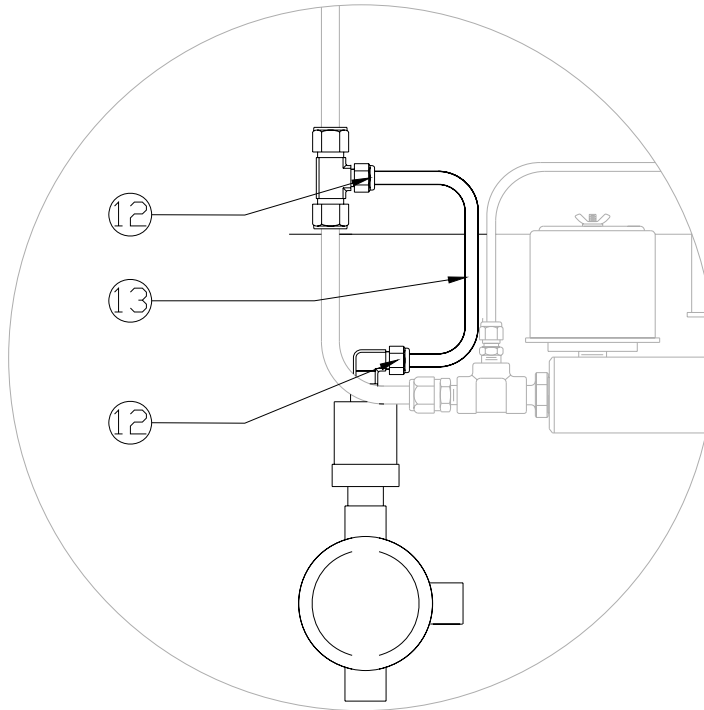


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When doing an electric motor replacement, order P/N 77780967 CONDUIT KIT. This kit includes necessary conduit fittings and nipples needed for connecting the conduit. Conduit sealing compound and fiber needed to effect the conduit seal is also included in the kit. The Junction box under the low pressure switch moves up to allow room to install the conduit and fittings. The kit also includes a piece of 3/8 SS tube and tubing ferrules to reconnect the pressure tubing to the pressure switch. Electric motors are ordered separately. The included parts are listed below;

Item	Part Number	Description	Quantity
1		MOTOR, 1-1/2HP 230/460V 60HZ 380-415 V 50 Hz - N7	Order Separately
2	29217575	ELBOW, UNION 3/4" 90DEG	1
3	29307575	SEAL, CONDUIT 3/4 IN M.I.	1
4	29207575	UNION, CONDUIT 3/4"	1
5	29407575	ELBOW, CONDUIT 3/4" 90DEG	2
6	29017500	NIPPLE, CONDUIT 3/4" X CL GALV	3
7	77500385	NIPPLE, CONDUIT 3/4" X 2 GALV	1
8	77780971	NIPPLE, CONDUIT 3/4" X 2-1/2 GALV	1
9	77780972	NIPPLE, CONDUIT 3/4" X 3 GALV	1
10	77780968	MINERAL WOOL FIBER	1
11	77780969	CHICO SPEED SEAL COMPOUND	1
12	77500763	FERRULE SET, 3/8" T SS	2
13	67000820	TUBING, 3/8" OD 035W WELD SS T304	1







Notes

1. De-energize and lock out the THERMOJet before replacing any electrical apparatus.
2. Disconnect the power wiring at the wiring junction box below the pressure switch located to the left of the electric motor. Remove the old motor and all conduit up to the wiring junction box. Reference the diagram above.
3. Install the electric motor and conduit fittings as shown above. When installing the electric motor ensure that the pump drive coupling is properly positioned and tightly secured to the motor shaft.
4. Observing the wiring diagram on the motor nameplate, connect the motor power wiring. Wiring connections are required to be made in both the junction box at the electric motor and the junction enclosure located below the pressure switch.
5. Using the two 3/8" tube and ferrule sets, reconnect the low pressure switch to the oil supply tube feeding the jet mixer. Tube must be bent to suit by installer.
6. Energize the THERMOJet and check the motor rotation. Correct if the rotation is in the wrong direction.
7. The Conduit Replacement Kit includes wool fiber and conduit sealing compound. Use the fiber to make a dam in the bottom of the seal fitting. Ensure that all wires are separated. Mix and pour the seal compound into the seal fitting and replace the plugs. The seal compound will set in approximately 20 minutes.

If you have any questions please let us know

Charlie Ehlert
Dir. Quality Control and New Product Development
PQSC Chairman