

TMT FLOW SWITCH

Tri-Magnet Technology Inline Flow Switch



SPECIFICATIONS

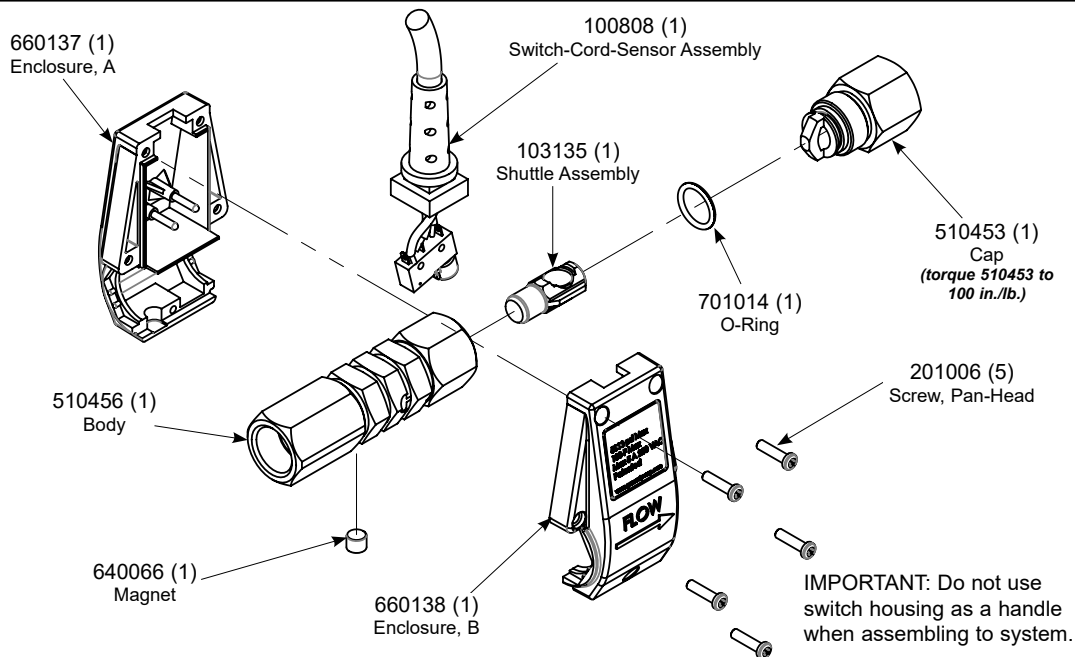
Part Number	100975	
Maximum Operating Pressure	5000 PSI	
Minimum Flow for Activation	1.25 GPM	
Maximum Operating Flow	12.0 GPM	
Operating Temperature Range	40 - 180 °F	
Electrical Lead Length	48" - 18AWG	
Switch Rating	Max Switching Voltage	250 VAC
	Max Switching Current	5 AMPS
	Resistance with Leads	30 OHM
Ports	Inlet	3/8" x 18 NPT-F
	Outlet	3/8" x 18 NPT-F
Dimensions	3.91" x 1.4" x 2.95"	
Weight	1.0 LBS	
Materials	Brass, Stainless Steel, Plastic, Nickel-plated Neodymium	

FEATURES

- Micro-switch technology eliminates reed switch
- Activates with 1.25 GPM flow
- Stainless Steel shuttle
- Minimal pressure drop up to 12 gpm flow
- Can be mounted in any position

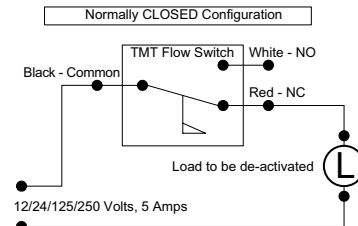
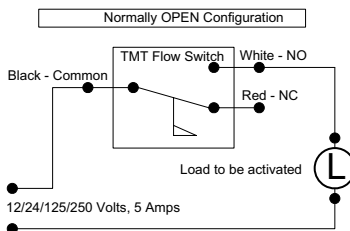
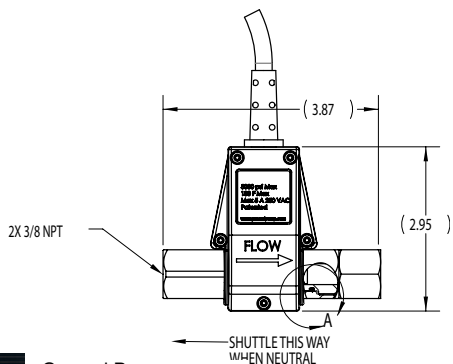
EXPLODED VIEW

NOTE: When using this flow switch in a system containing a positive displacement pump, General Pump recommends the use of a safety relief device(s), correctly placed to protect all areas of the system.



IMPORTANT: Do not use switch housing as a handle when assembling to system.

DIMENSIONS AND WIRING SCHEMATIC



General Pump is a member of the Interpump Group



300770 Rev. H
08-23



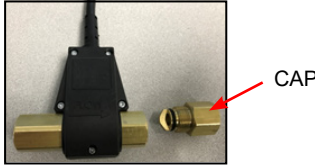
100975 TMT Flow Switch

Tri-Magnet Technology

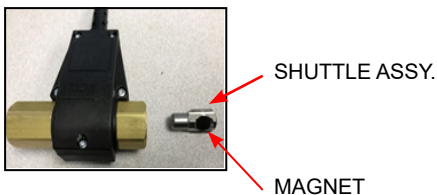
GENERAL PUMP A member of the Interpump Group

SERVICE INSTRUCTIONS

1. Remove external plumbing from device, as needed.
2. Remove "Cap" (510453)



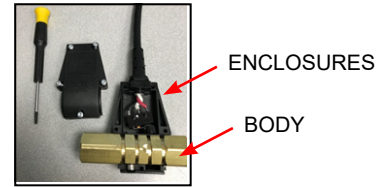
3. Slide out "Shuttle Assy" (103135); if magnet is damaged or missing, replace device.



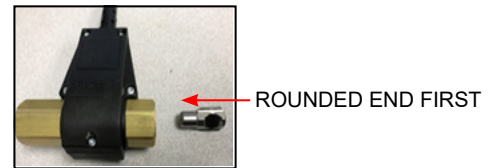
4. Observe "Shuttle Assy" and internal portion of "Body" (510456) for obstructions, hard-water deposits, or any other foreign debris. Remove via light scraping and/or compressed air.



5. If required, remove "Body" from plastic "Enclosures" (660137) and soak in CLR or similar solution to dislodge excessive build-up. QTY (5) "Screws" (201006) for "Enclosure" are TORX T10.



6. Rinse "Body".
7. Re-install "Body" into "Enclosures" as shown above, taking care to not damage. Tighten "Screws" until snug. Do not over-tighten.
8. Insert "Shuttle Assy", with rounded end first, into body. Align with grooves.



9. Install "Cap", torque to 100 in.lbs. (Replace "O-ring" (701014) as needed)
10. If possible, verify operation by activating "Shuttle" manually while observing continuity to leads. "Shuttle" should return to home position automatically.



11. Re-install device on equipment, test operation.

TROUBLESHOOTING

If device will not operate, verify:

- Are magnets damaged or missing?
- Is there an obstruction preventing shuttle from sliding?
- Is "Shuttle Assy" in correct orientation?
- Is the electrical switch operating correctly? (can be verified by checking continuity and activating shuttle/switch manually)



WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov

GENERAL PUMP 1174 Northland Drive • Mendota Heights, MN 55120
Phone: (651)686-2199 • Fax: (800)535-1745 • e-mail: sales@gpcompanies.com • www.generalpump.com

300770 Rev. H
08-23

