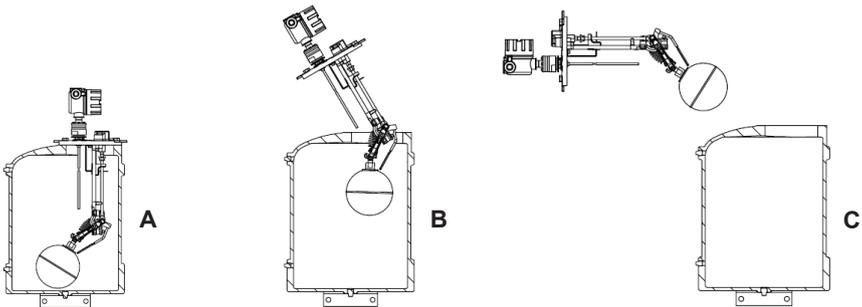


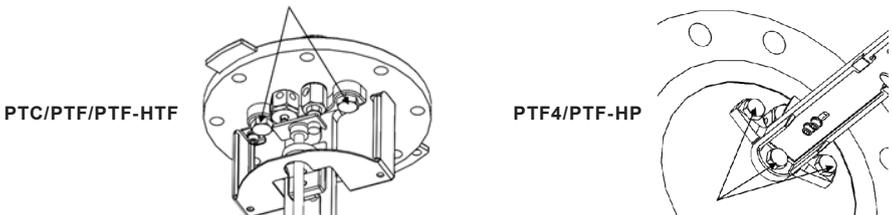
Replacement of Pivotrol (Patented)[®] Motive Inlet Valve

Warning: Ensure that system is isolated/relieved of all pressure prior to ANY work being done.

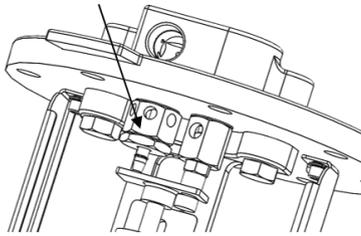
1. Disconnect any motive inlet or exhaust piping to the cover mechanism.
2. Loosen and remove all cover bolts using the following socket/wrench sizes:
PTC/PTF: $\frac{3}{4}$ "
PTF-HTF: $\frac{15}{16}$ "
PTF4: $1\frac{1}{4}$ "
PTF-HP: 36 mm
3. Secure cover mechanism using lifting hook located on top of cover.
4. Lift cover mechanism from pump body carefully:



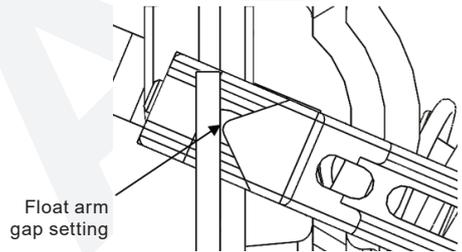
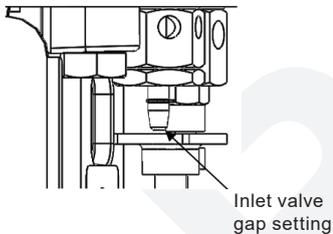
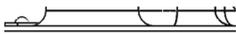
5. Inspect cover gasket and bolts for damage. Replace if needed.
6. Remove the (3) or (2) bolts that secure the mechanism frame to the cover using a $\frac{3}{4}$ " socket or wrench. PTC/PTF/PTF-HTF: You may need to loosen one of the (2) baffle screws using a $\frac{3}{16}$ " Allen key/socket and carefully swing baffle out of the way.



7. Carefully remove the entire mechanism frame assembly and sit to the side.
8. Loosen the motive inlet valve using a 1" socket or wrench.



9. Inspect the motive inlet valve gasket and replace if necessary.
10. Replace with the new inlet valve. Tighten to recommended torque of 85 - 90 ft/lbs.
11. Replace the mechanism frame back on to the cover. Tighten bolts to recommended torque of 30 - 34 ft/lbs.
12. **For PTC/PTF/PTF-HTF only:** Return baffle back to position and torque screw to 12 - 15 ft/lbs using a 3/16" Allen Socket.



13. Check inlet valve gap setting with a .050" gauge strip(s). Check the float arm gap setting with a .020" gauge strip(s).
14. Return cover mechanism back to pump body. Ensure cover gasket is in place. Refer to IMI-5-201 Sections 5.0 - 5.2 and Figure 11 for replacing the cover mechanism assembly and recommended torque values for the cover bolts.
15. Reconnect all motive inlet and exhaust piping.

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