# Repair Instructions for the MP-F Pressure Intensifiers

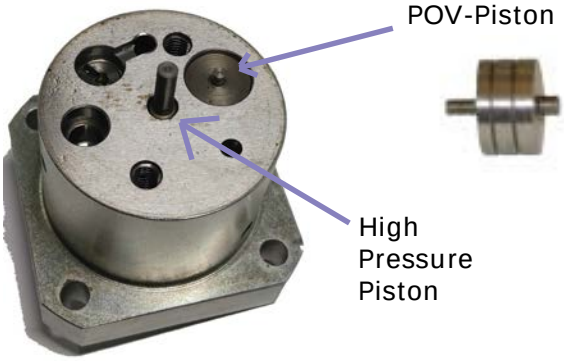
Before beginning to repair the intensifier, it must be taken to a clean environment. Otherwise contamination might cause the unit to be malfunctioning after repair.

## 1.0 Dismantling the intensifier

1.1 Untighten the 2 off M6 bolts

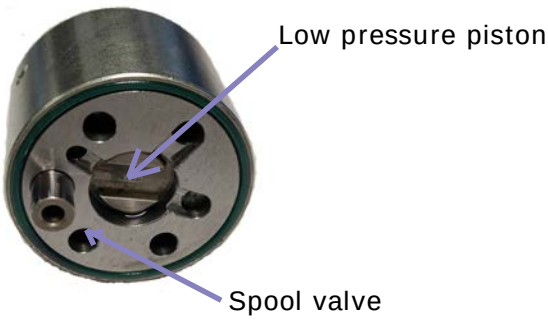
1.2 Take the unit apart


1.3 Remove the POV-piston from the top part.




Ensure the high pressure piston is moving freely in the top part. If not return unit to factory for repair.

1.4 Inspect O-rings (2 off ID45 x 1.5) in the housing, and replace if needed.




Ensure the low pressure piston and the spool valve are moving freely in the housing. If not return unit to factory for repair.

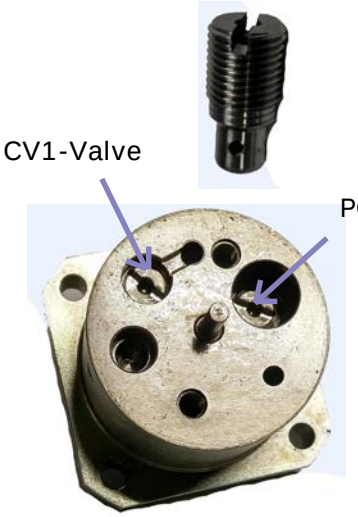
1.5 Inspect End Part, and ensure it is clean.

## 2.0 Changing the Check Valves CV1 and POV

2.1 Unscrew the cartridge valves CV1 and the POV.
Please note they are identical.

Clean the Top part.

Mount new cartridge valves, and tighten them with a torque of 18 Nm



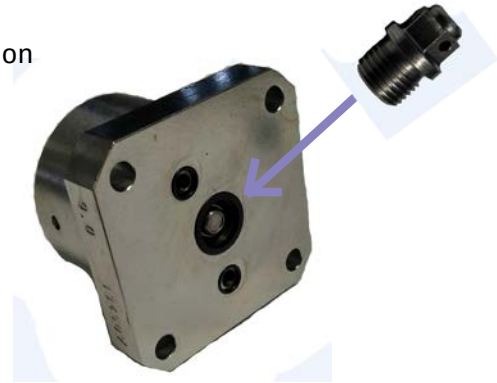

## 3.0 Changing the Check Valve CV2

3.1 Unscrew the cartridge valves CV2 using the 8 mm hexagon

Clean the valve seat.

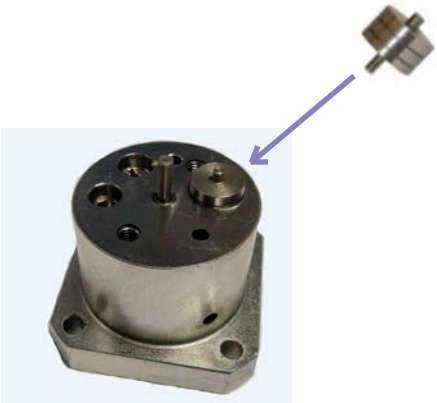
Mount a new cartridge valves, and tighten with a torque of 18 Nm.

Check the 2 off O-rings 9,25 x 1,78 (6x1on older versions) and the Kantseal and replace if needed



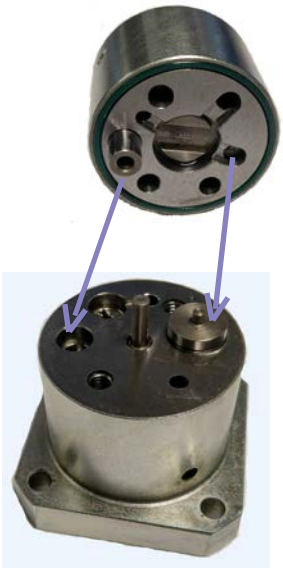
## 4.0 Assembling the MP-F Pressure Intensifier

4.1 Place the POV Piston in the bore, ensuring the small diameter pin is pointing into the valve.



4.2 Ensure the low pressure piston is positioned with the slotted part as shown on photo. Ensure the spool valve is positioned as shown on photo.

Position the housing on the top part using the spool valve and the POV as alignment.



4.3 Position the end part on top of the housing using the spool valve and bolts as locators.

4.4 Tighten the 3 off M6 screws with a torque of 18 Nm, and test unit.