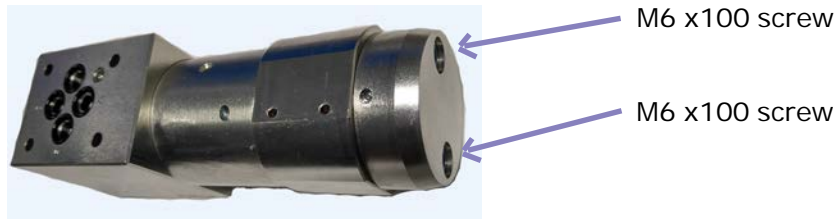


Repair Instruction for the MP-C Pressure Intensifier

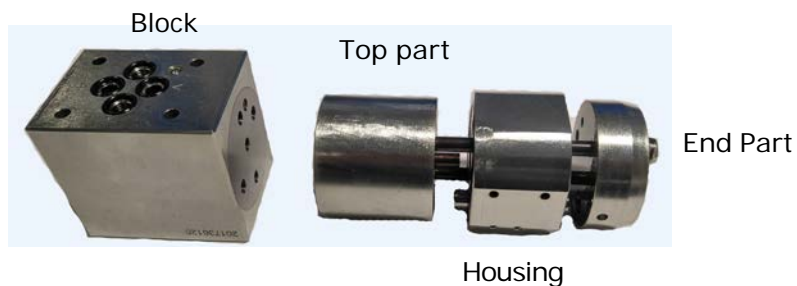
Before beginning to repair the intensifier, it must be taken to a clean environment. Otherwise contamination might cause the unit to be malfunctioning after repair.

1.0 Dismantling the intensifier

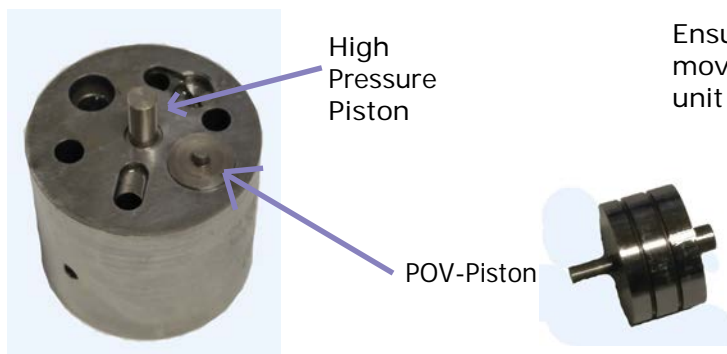
1.1 Untighten the 2 off M6x100 screws



1.2 Take the unit apart

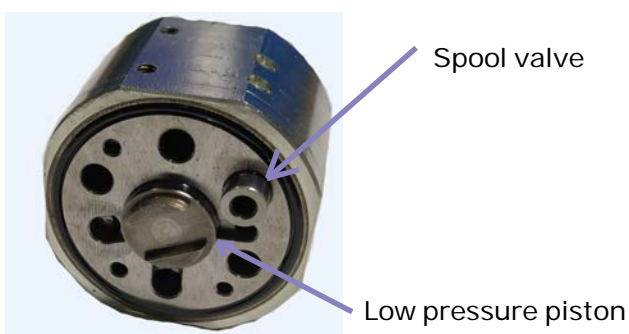


1.3 Remove the POV-piston from the top part.



Ensure the high pressure piston can be moved by hand 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 in the housing part can be moved by hand. 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 AV

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

Clean the Top part.

Mount new CV1- and POV cartridge valves, and
tighten both 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 6x1, 1 off Kantseal,
1 off O-ring 45x1,5 PU92
and replace if needed



4.0 Assembling the MP-C-AV Pressure Intensifier

4.1 Place the POV Piston in the bore, ensuring the
longer thinner pin is pointing into the valve.

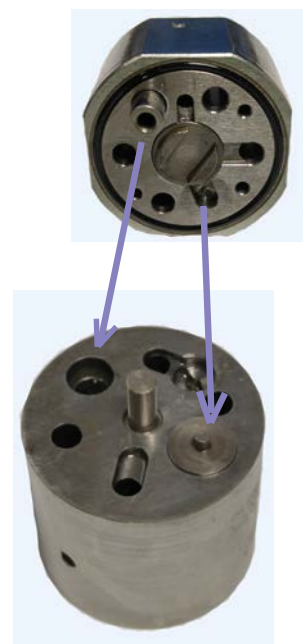


- 4.2 Ensure the small pilot piston is positioned inside the spool valve, with the smaller diameter pin pointing inwards as shown below



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-piston as alignment.



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



- 4.4 Position the intensifier housing parts on top of the block positioned as shown, and tighten the 2 off M6 x 100 screws with a torque of 18 Nm,

Position the 4 O-rings 9,25x1,78 NBR 90 in the 4 grooves and test the intensifier.

