

fig.4

3.3 Mounting to a pump. (fig.3 & 5)

- 3.3.1 The TP91300.V2 flow meter can be directly mounted onto a pump outlet as shown in fig.6.
- 3.3.2 Before mounting the pump, check the required direction of flow and if necessary rotate the face of the meter as described in section 3.2.
- 3.3.3 Screw pump mounting adaptor 'B' into the pump outlet port ensuring that it is sealed with a suitable 'O' ring or PTFE tape.
- 3.3.4 Screw the outlet connector 'C' into the meter outlet port ensuring that it is sealed with a suitable 'O' ring or PTFE tape.
- 3.3.5 Screw the swivel adaptor 'A' into the meter inlet port ensuring that it is sealed with a suitable 'O' ring.
- 3.3.6 Place the whole assembly onto the pump outlet fitting and rotate the main body of the adaptor to screw it down onto the pump. Before finally tightening the fitting, rotate the meter on the fitting to point in the desired direction and tighten the fitting.

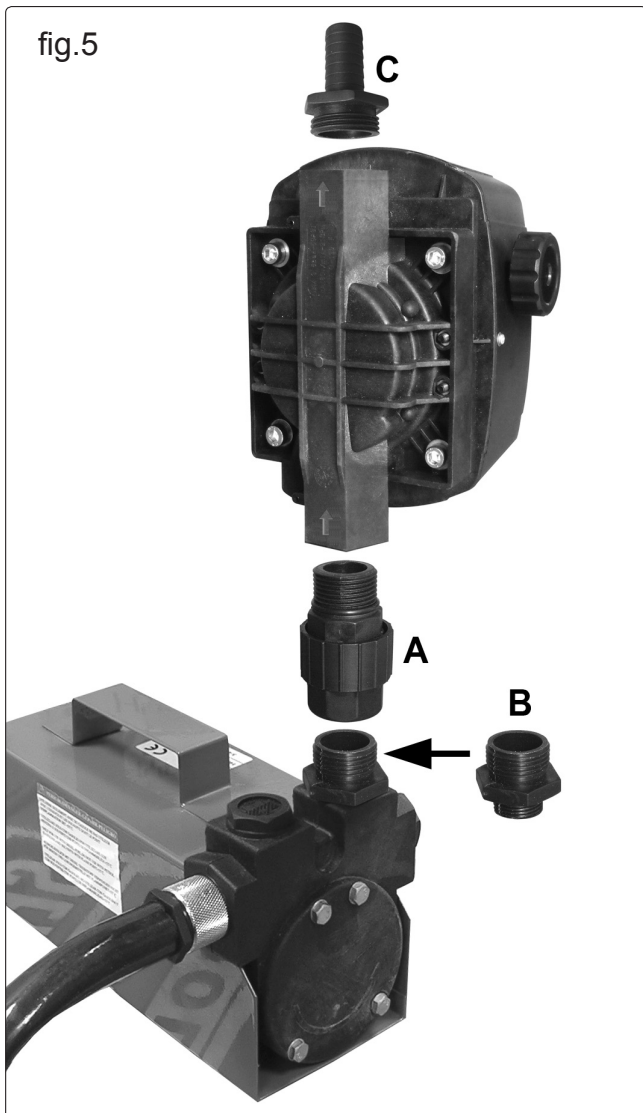


fig.5



fig.6

3.4 In-line Mounting. (ref. fig.2)

- 3.4.1 When mounted in an in-line situation the TP91300.V2 flow meter must still be rigidly mounted for safe and accurate performance. Once the meter is properly fixed it can be connected via rigid or flexible pipework that is suitable for the liquid flowing through it.

3.5 Resetting.

The meter has been set at the factory to a pressure of 1.5 bar, (21PSI) whilst transferring Diesel oil. As the operating pressure is a fundamental factor for the measurement mechanism, it is recommended that the meter is reset every time different pressures and/or liquids are used. The meter must also be reset every time it is disassembled for maintenance.

- 3.5.1 Unscrew the setting plug (screw A in fig.7).
- 3.5.2 Start the flow by opening a valve or starting a pump then stop the flow of liquid by closing the delivery gun without stopping the flow.
- 3.5.3 Set the partial indicator to zero.
- 3.5.4 Perform the delivery at the flow rate for which the precision is required by transferring it into a container calibrated for no less than 20 litres.
- 3.5.5 Compare the value indicated on the partial/total counter with the volume in the container (the real value).
- 3.5.6 Turn the adjustment screw (B in fig.7) clockwise if the value is lower and counter-clockwise if the value is higher.
- 3.5.7 Repeat operation 4 until the measurement is satisfactory.
- 3.5.8 Screw the setting plug (screw A) back into place.

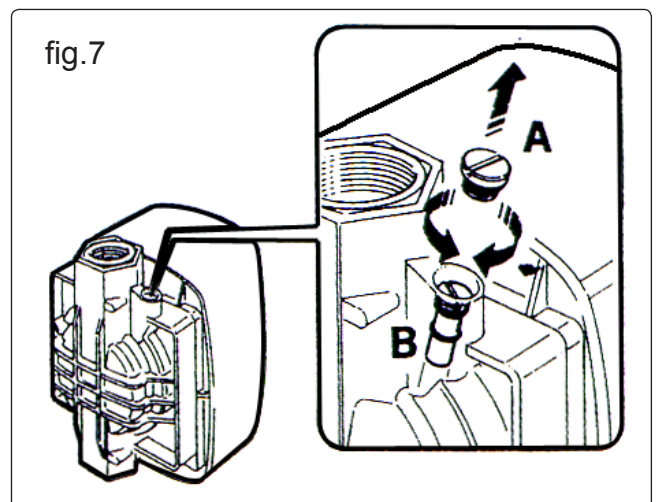


fig.7

4. TROUBLESHOOTING

| PROBLEM | POSSIBLE CAUSE | SOLUTION |
|--------------------------|--------------------------------------|---|
| Unsatisfactory precision | Incorrect setting | Reset (see above) |
| | Measurement chamber dirty or clogged | Clean measurement chamber |
| | Presence of air in liquid | Identify and eliminate leaks in suction lines or add foot valve |
| Low flow | Measurement chamber dirty or clogged | Clean measurement chamber |
| | Filter dirty or clogged | Clean filter |

Parts support is available for this product.

To obtain a parts listing and/or diagram, please log on to www.sealey.co.uk, email sales@sealey.co.uk or phone 01284 757500.

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