

# S300

## Commissioning Instructions

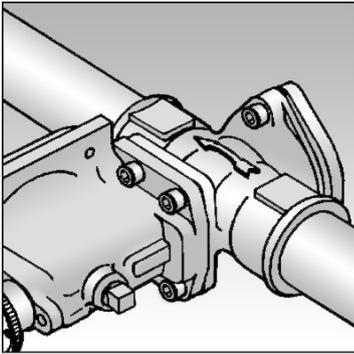


Fig. 1

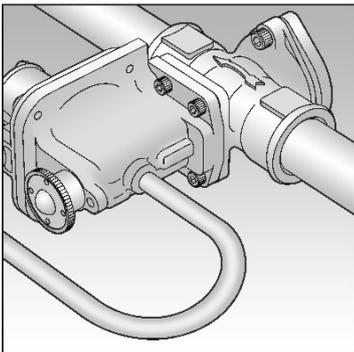


Fig. 2

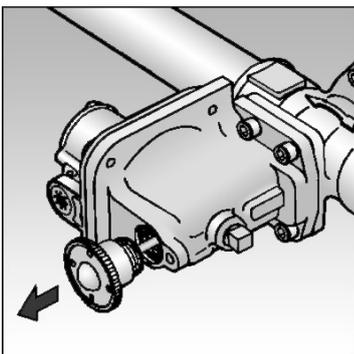


Fig. 3

### INSTALLATION CONDITIONS

Body pressure range: 0 - 20 Bar

Temperature range: -20°C to +70 °C

### OPERATING INSTRUCTIONS

- Ensure that this product is suitable for the chosen application.
- Installation, adjustment and maintenance by authorised, trained personnel only.
- When being fitted to an appliance, refer to the appliance manufacturers instructions.
- Ensure that the installation provides adequate protection to prevent over pressurisation.
- Traffic, wind and earthquake loadings should be considered when specifying the installation.
- The unit should be protected from the decomposition of unstable fluids.

### FITTING REGULATOR INTO PIPEWORK (A)

1. Remove the plastic protection plugs from inlet and outlet (and external impulse hole if applicable)
2. Ensure that installation pipework is thoroughly clean.
3. The direction of gas flow must be the same as the arrows on the OPSS body. See Fig. 1.
4. Install the OPSS into pipework using a jointing compound approved to national standards.
5. If external impulsed unit, connect impulse pipe as per national standards. See Fig. 2.

### OPSS COMMISSIONING INSTRUCTIONS (For non preset units)

1. Turn off upstream and downstream isolation valves.
2. Unscrew reset cap.
3. Firmly pull out reset spindle to re-cock OPSS unit and release spindle gently. See Fig. 3.
4. Remove top cap from OPSS cover.
5. Insert a flat bladed screwdriver into slot on the OPSS spring adjuster. See Fig. 4 HP or 5 LP.
6. Turn clockwise (+) to increase loading on the OPSS spring to maximum.
7. Apply external pressure source to a suitable point on the downstream pipework, slowly increase pressure to that required for OPSS trip-off.  
Note: If pressure point on underside of OPSS unit is used as external impulse, care must be taken to ensure that pressures are equalised across the orifice before re-cocking OPSS.
8. Slowly turn OPSS spring adjuster anticlockwise (-) until OPSS device trips off. See Fig. 4 HP or 5 LP.
9. Exhaust external pressure source.
10. Re-cock OPSS by firmly pulling reset spindle. See Fig. 3. (Hold for approx. 5-10 secs.).
11. Slowly increase external pressure to check for OPSS trip-off. Trim adjustment if necessary.

Note: OPSS device is now set.

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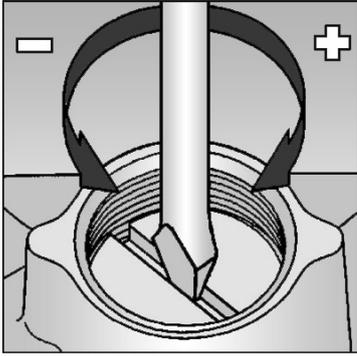


Fig. 4

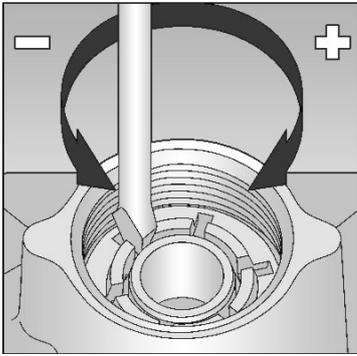


Fig. 5

12. Remove external pressure source and replace OPSS top cap. (Wire seal if necessary).
13. Re-cock OPSS unit as instructed (iii) above.
14. Replace OPSS reset cap. (Wire seal if necessary).
15. Slowly open upstream valves to establish gas supply.

## OPSS COMMISSIONING INSTRUCTIONS (For preset units)

1. Turn off upstream and downstream isolation valves.
2. Unscrew reset cap.
3. Firmly pull out reset spindle to re-cock OPSS unit and release spindle gently. See Fig. 3.
4. Apply external pressure source to a suitable point on the downstream pipework, slowly increase pressure to that indicated on the label.
5. Note: If pressure point on underside of OPSS unit is used as external impulse, care must be taken to ensure that pressures are equalised across the orifice before re-cocking OPSS.
6. If unit functions as expected, exhaust and remove external pressure source.
7. Re-cock OPSS unit as instructed in (iii) above.
8. Replace OPSS reset cap. (Wire seal if necessary).
9. Slowly open upstream valves to establish gas supply.

## RESETTING OPSS AFTER TRIPPING

1. Turn off all upstream valves.
2. Dissipate downstream gas through burning and close downstream valves.
3. Remove wire seal if fitted.
4. Unscrew reset cap.
5. Firmly pull out reset spindle to re-cock OPSS unit. Hold for 5 - 10 seconds and release spindle gently. See Fig. 3.
6. Slowly open upstream valves to re-establish gas supply.
7. If gas supply re-established, replace OPSS reset cap and wire seal if needed.
8. If gas supply not re-established, turn off all upstream valves and repeat steps 2, 5 and 6.
9. If after the second attempt the gas supply is not re-established, ensure all upstream and downstream valves are turned off.
10. Inspect system, identify and correct cause of over-pressure leading to trip-off.
11. Repeat steps 5 and 6.

## Contacts

United Kingdom  
Elster-Instromet  
4 Pate Road, Melton Mowbray  
Leicestershire LE13 0RG  
T +44 1664 567797  
F +44 1664 410254  
www.elster-instromet.com  
info.jeavons@gb.elster.com

Germany  
Elster GmbH  
Steinern Str. 19 - 21  
55252 Mainz-Kastel  
T +49 6134 605 0  
F +49 6134 605 223  
www.elster-instromet.com  
info@elster-instromet.com

USA  
Elster American Meter  
2221 Industrial Road  
Nebraska City, NE 68410-6889  
T +1 402 873 8200  
F +1 402 873 7616  
www.elster-meterservices.com

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