

Elster Jeavons 60DJ, 80DJ & 150DJ



Commissioning Instructions

General Arrangements

Parts Lists

For: 1/4" 60DJ

3/8" 80DJ

1/2" 150DJ

60DJ, 80DJ & 150DJ: Commissioning Instructions

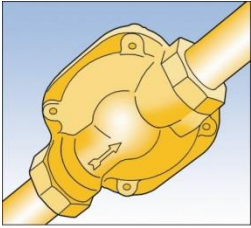


Fig. 1

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.
- Specification:
 - Group 2 Class A
 - Gas Family: 1, 2 & 3
 - Maximum Inlet Pressure: 100mbar
 - Temperature Range: -20°C t +70°C

Warning! Incorrect installation, adjustment, modification, operation and maintenance may cause injury or damage.
Read the instructions before use. This control must be installed in accordance with the rules in force.

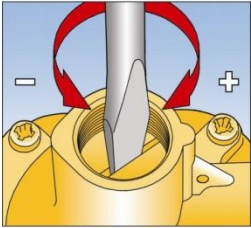


Fig. 2

FITTING REGULATOR INTO PIPEWORK (Fig. 1)

1. The unit should not be installed in a corrosive environment and should be guarded against dirt ingress.
2. The ambient temperature (surface temperature) should be within the limits stated on the regulator catalogue.
3. Check the maximum allowable pressure on the regulator nameplate against the installation specification.
4. Remove the plastic protection plugs from inlet and outlet.
5. Ensure that installation pipework is thoroughly clean.
6. The direction of gas flow must be the same as the arrow(s) on the regulator body.
7. Install the regulator into pipework using a jointing compound approved to national standards.

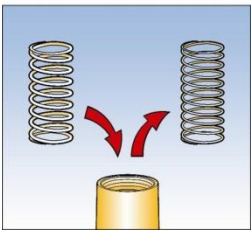


Fig. 3

FOR PRE - SET REGULATORS

1. Turn off downstream valves.
2. Slowly turn on inlet supply.
3. Commission downstream appliance(s).

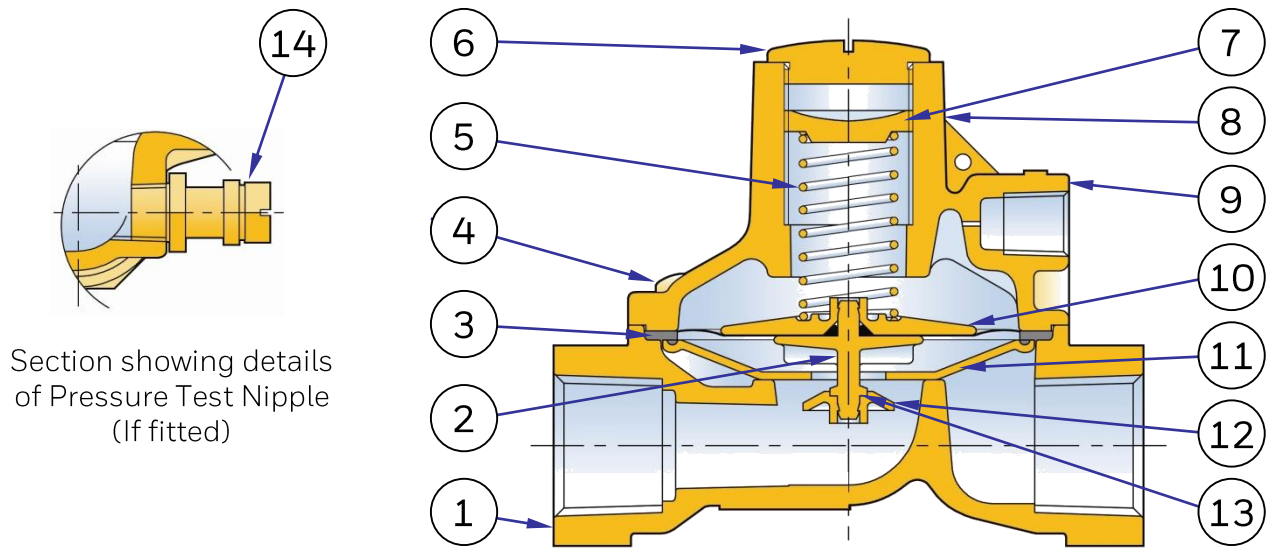
SETTING OF OUTLET PRESSURE (Fig. 2)

1. Turn off downstream valves.
2. Remove the top cap.
3. Insert flat bladed screwdriver into slot in top spring holder.
4. Turn anticlockwise to reduce pressure on the loading spring.
5. Slowly turn on inlet supply.
6. Increase loading on the spring by turning the spring holder clockwise until the required outlet pressure, plus approximately 2.5mbar, is obtained.
7. Commission downstream appliance(s).
8. Trim the outlet pressure of the regulator, if necessary, when normal working flow rates have been achieved.
9. Replace the top cap (and seal if necessary).

IF THE REQUIRED OUTLET PRESSURE CANNOT BE ACHIEVED WITH THE SPRING FITTED – 150DJ ONLY. (Fig. 3).

1. Choose a loading spring from the catalogue that will give the required outlet pressure range.
2. Fully unscrew and remove top cap and top spring holder.
3. Remove loading spring.
4. Insert the new spring.
5. Screw top spring holder back in place.
6. Adjust the outlet pressure, as described above, until the required setting is found.
7. Replace the top cap.

150DJ: General Arrangement



150DJ: Parts list

| Item | Description | 150DJ | No. Off |
|------|----------------------|------------------|---------|
| 1 | Body | J150D-075+ | 1 |
| 2 | Valve Spindle | J150D-018 | *1 |
| 3 | Diaphragm | J150D-021 | *1 |
| 4 | Screw | JSA412XPTZ | 4 |
| 5 | Loading Spring | See Spring Table | 1 |
| 6 | Top Cap | J1004-014 | 1 |
| 7 | Spring Holder | J1004-013 | 1 |
| 8 | Nameplate | J150D-076 | 1 |
| 9 | Top Cover | J150D-077Z03 | 1 |
| 10 | Top Diaphragm Plate | J150D-019 | *1 |
| 11 | Valve Seat | J150D-017 | *1 |
| 12 | Valve | J150D-020 | *1 |
| 13 | Sealing Washer | J6002D-018 | *1 |
| 14 | Pressure Test Nipple | JPTN01-0.71 | 1 |

Part Numbers marked + require thread specification to be stated with order.
Spares kit contents are marked * on parts list above

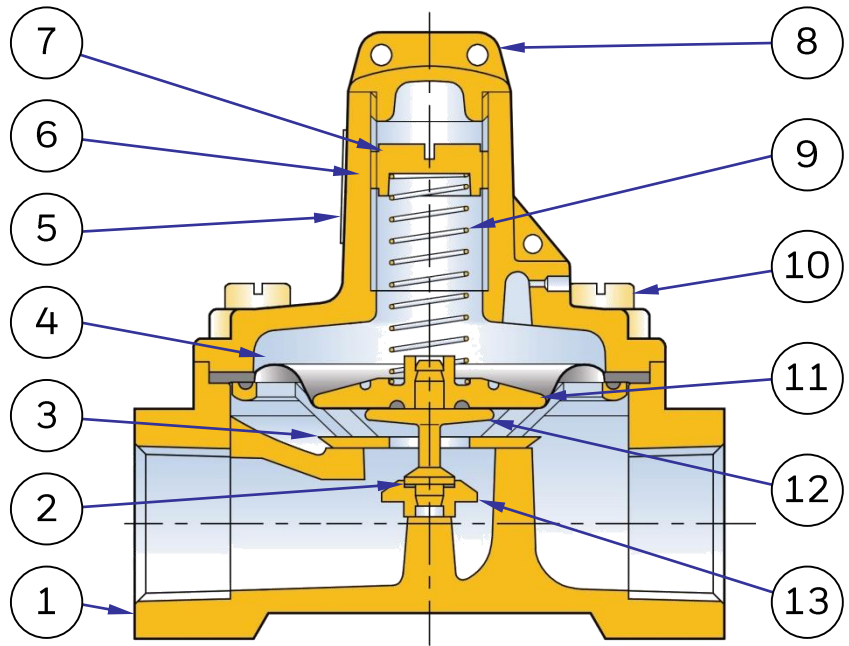
150DJ: Loading Springs

| mbar | "wg | Part Number | Colour Code |
|----------|---------|-------------|-------------|
| 5 - 17.5 | 2 - 7 | J150D-024 | - |
| 5 - 12 | 2 - 4.8 | J150D-060 | Red |
| 15 - 35 | 6 - 14 | J150D-027 | - |

150DJ: Soft Spares Kit

Part Number: SK150D-23

60DJ & 80DJ: General Arrangement



60DJ & 80DJ: Parts List

| Item | Description | 60DJ | No. Off | 80DJ | No. Off |
|------|-----------------|---------------|---------|---------------|---------|
| 1 | Body | J6002D-052+ | 1 | J6003D-001+ | 1 |
| 2 | Sealing Washer | J6002D-018 | *1 | J6002D-018 | *1 |
| 3 | Valve Seat | J6002D-020 | *1 | J6002D-020 | *1 |
| 4 | Diaphragm | J6002D-019 | *1 | J6002D-019 | *1 |
| 5 | Nameplate | J150D-076 | 1 | J150D-076 | 1 |
| 6 | Top Cover | J6002D-023Z01 | 1 | J6002D-023Z01 | 1 |
| 7 | Spring Holder | J6002D-024 | 1 | J6002D-024 | 1 |
| 8 | Top Cap | J6002D-054 | 1 | J6002D-054 | 1 |
| 9 | Loading Spring | J6002D-026 | 1 | J6002D-026 | 1 |
| 10 | Screw | JSA412XPTZ | 4 | JSA412XPTZ | 4 |
| 11 | Diaphragm Plate | J6002D-021 | *1 | J6002D-021 | *1 |
| 12 | Valve Spindle | J6002D-016 | *1 | J6002D-016 | *1 |
| 13 | Valve | J6002D-017 | *1 | J6002D-017 | *1 |

Part Numbers marked + require thread specification to be stated with order. Spares kit contents are marked * on parts list above

60DJ & 80DJ: Soft Spares Kit

60DJ Part Number: SK060D-06 80DJ Part Number: SK080D-13

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