

*Patent No. 2 317 672*

The J42 meter service regulator is a completely new design to meet the current standards. It uses well proven principles of control dynamics together with modern assembly techniques to produce a regulator which offers excellent performance in a compact, low cost, maintenance free unit.

**APPLICATION**

The J42 is an angled type regulator designed for low pressure domestic meter applications with inlet pressures up to 350mb, with full lock-up capability and is available with or without integral under pressure cut off (UPCO). The Upco version has an automatic reset which re-establishes supply dependant upon the system integrity. It can be mounted in either a vertical or horizontal orientation, and is suitable for use with natural, liquid petroleum and manufactured gases.

**PRESSURE**

Maximum Inlet Pressure - 350mb.  
Nominal Outlet Pressure - 21mb.  
Cut Off Pressure - 12mb ± 2.5mb  
(Other outlet pressure are available upon request)

**CONTROL**

The outlet pressure, set at the factory at 21mb, can be easily adjusted if necessary, between 19mb and 24.5mb, by turning the spring adjusting screw under the top cap. The removal of the top cap breaks barbed hooks that hold it in place, so is tamper evident. The top cap may be resealed again after use with a lead seal (not provided).

**CONNECTIONS**

The J42 is supplied as standard with a tapered screwed thread to BS21 (ISO 7). Outlet also available with gas meter coupling to BS746. Other threads may be available upon request.



**SIZES**

3/4" x 3/4" & 3/4" x meter union

**TEMPERATURE**

Ambient Temperature Range -20°C to +70°C

**SERVICING**

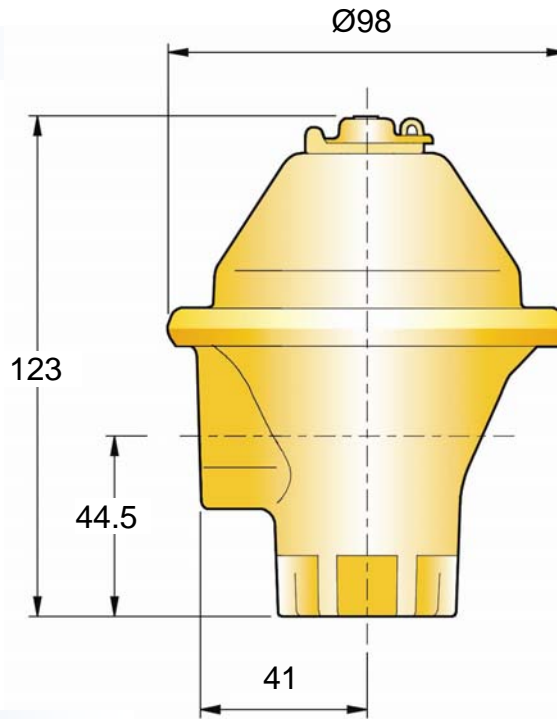
The J42 is a sealed unit and requires no servicing.

**MATERIALS**

| Component                  | Material                     |
|----------------------------|------------------------------|
| Body and Top Cover         | Aluminium                    |
| Diaphragms                 | Nitrile Rubber (Buna)        |
| Valve Disc and "O"Rings    | Nitrile Rubber (Buna)        |
| Internal Support Structure | Acetal Resin                 |
| Top Cap                    | Acetal Resin (UV Stabilised) |
| Top Bush, Adjusting Screw  | Zinc Alloy                   |
| Spring                     | Stainless Steel              |

**DIMENSIONS**

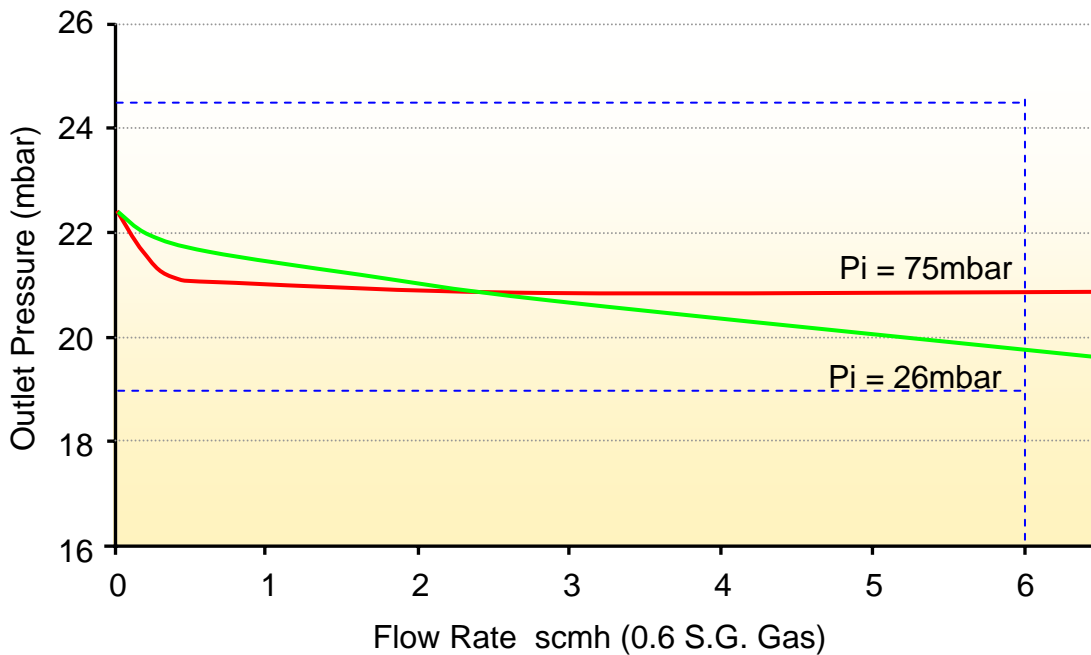
All dimensions in millimetres



**WEIGHT**

340g

**PERFORMANCE**



**QUALITY**

Elster Jeavons is committed to a programme of continuous quality enhancement. All equipment designed and manufactured by Elster Jeavons benefits from the company's quality assurance standards which are approved to BS EN ISO9001 : 1994.

Elster Jeavons has a programme of continuous product development and improvement and in consequence the information in this leaflet may be subject to change or modification without notice.