

## Elster Jeavons J90 MkII 80mm

Commercial / Industrial Meter Service Regulator

### Brief information

**Operation:** The J90 is a dedicated angle regulator designed to give accurate control, even at low pressure drops, with excellent reliability. The J90 is available in sizes 1¼", 2" and 3" (80mm) sizes. The smaller sized units (up to 2") being described in a separate leaflet.

**Application:** The 80mm J90 MkII is specifically designed to be used as a meter service regulator for large commercial and industrial applications. It complies with the Essential Requirements of the European Gas Appliance Regulation (EU) 2016/426(GAR). All units are designed for natural, liquefied petroleum and manufactured gases.

The J90 MkII has positive lock up, and has been designed for high efficiency and sensitivity with maximum flow and minimum pressure loss.

**Control:** A comprehensive range of springs is available, as described overleaf. The outlet pressure can be easily and accurately adjusted by turning the spring adjustment unit located under the top cap.

If required the units can be supplied factory set with a security seal at extra cost.

**Approvals:** The J90 is approved to specifications IGEM/GM/PRS/33 and BS EN88-1 Class A2.

**Variants:** Available for fitment to the:

- G40 (U65) diaphragm meter with flow rate up to 65m<sup>3</sup>/hr. and the G65 (U100) diaphragm meter with a flow rate up to 100m<sup>3</sup>/hr.
- G100 (U160) diaphragm meter with a flow rate up to 160m<sup>3</sup>/hr.

### Technical Data:

Maximum inlet pressure: 350mbar (5 psig)

Maximum Outlet Pressure: 150mb (60"wg)

**Servicing:** The J90 has been designed for ease of access, inspection and servicing of all internal components. A standard soft spares kit is available.

Reference Number: SK9011-01



## FEATURES & BENEFITS

### Main Features

- Sizes 1¼", 2" and 80mm (for 1¼" and 2" see separate leaflet)
- Temperature range -20°C to +70°C
- Flanged to BS EN 1092-2 NP16. Other sizes only available with threaded connections to BS EN 10226 (ISO 7).
- Designed to match G40, G65 & G100 meters (a special adaptor flange is required for fitment to the G100 meter).
- Fully inlet pressure balanced.
- Full lock-up capability.
- Internal impulse.
- Spring loaded.
- Excellent outlet pressure control.

# J90: Meter Service Regulator

## Material Specifications

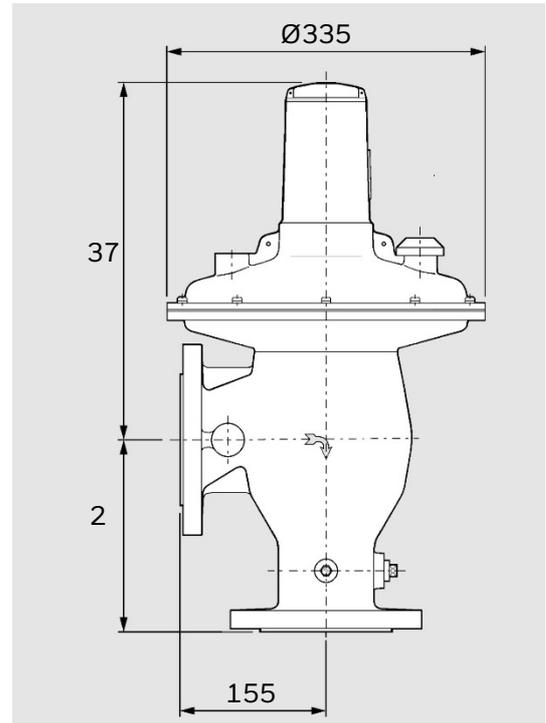
A summary of the material specification for the J90 is given for reference. All material has been selected to provide maximum durability and reliability in service.

Components	Specification
Body, diaphragm case, top cover, top cap, valve disc holder, valve disc clamping washer.	Aluminium Alloy
Valve spindle, spring adjusting screw, diaphragm spacer, diaphragm plates, reinforcing plate, secondary diaphragm washer.	Mild steel
Spring holder	Brass
Main diaphragm, secondary diaphragm.	Fabric reinforced Nitrile (Buna)
Valve discs, "O" rings	Nitrile (Buna)
Springs	Carbon Steel

**Weight:** 14 Kg

### Quality:

Honeywell is committed to a programme of continuous quality enhancement. All equipment designed and manufactured by Honeywell benefits from the group's quality assurance standards which are approved to EN ISO9001.



## Loading Springs

Spring Range		Part Number	Colour Code
mbar	"wg		
6 – 15	2.6 – 6	J4811-020	White / Yellow
12.5 – 25	5 – 10	J4811-021	White / Black
23 – 38	9 – 15	J4811-022	White / Orange
35 – 50	14 – 20	J4811-028	White / Brown
45 – 75	18 – 30	J4811-029	White

### Your Contacts:

United Kingdom  
 Elster Metering Ltd  
 Paton Drive, Tollgate Business Park,  
 Beaconside, Stafford, Staffs. ST16 3EF  
 T +44 1785 275200  
 F +441785 275305  
 www.elster-instromet.com  
 stafford.enquiries@honeywell.com

Germany  
 Elster GmbH  
 Steinern St. 19 - 21  
 m55252 Mainz -Kastel  
 T +49 6134 605 0  
 F +49 6134 605 223  
 www.elster-instromet.com  
 info@GE4N@honeywell.com

Elster is a registered trade mark  
 of Honeywell International Inc.  
 J903EN | 07 | 06/19  
 © 2019 Honeywell International Inc.

**Honeywell**