J48H & HL

Gas Pressure Regulator Inlet Pressure 1 bar Nominal Diameter 3/4" – 2"

This product is discontinued! **Applications**

- Industrial

- Commercial

Brief information

Operation: The J48H & HL are special versions of the highly versatile and proven range of the J48 industrial low pressure regulators. The J48H has higher inlet and outlet pressure rating, whilst the J48HL has a higher inlet pressure rating only, with the maximum outlet pressure as the standard J48. The J48HL includes the quick release spring adjustment mechanism unit. This enhancement provides easy access for spring adjustment and routine maintenance. The J48H and HL range is available in sizes from $\frac{3}{4}$ " to 2".

Application: The J48H and HL are special versions of the J48 service and appliance regulator and are suitable for a wide range of domestic, commercial and industrial applications. All units are designed for natural, liquefied petroleum and manufactured gases.

The J48H and HL can be installed in both horizontal and vertical pipelines. The J48H and HL have been designed for high efficiency and sensitivity with maximum flow and minimum pressure loss.

Control: A comprehensive range of springs is available. The outlet pressure can be easily and accurately adjusted by turning the spring adjustment unit located under the top cap. The design of this mechanism provides virtually frictionless adjustment and eliminates "spring wind up".

The complete spring adjustment mechanism can be removed easily for maintenance and spring changes. If required the J48HL can be supplied factory set with a security seal at extra cost.

Maximum inlet pressure: 1 bar (14.5 psig) Maximum Outlet Pressure J48HL: 160mbar (64" wg) Maximum Outlet Pressure J48H: 750mbar (11 psig)

Servicing: The J48H and HL have been designed for ease of access, inspection and servicing of all internal components. A standard soft spares kit is available for all sizes.

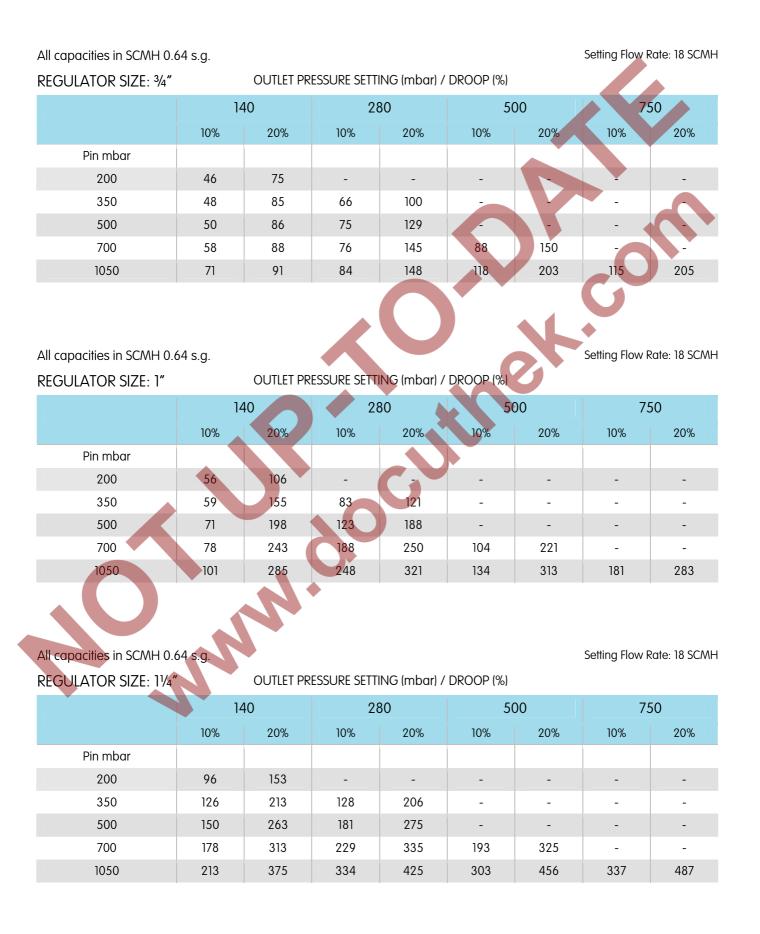
	J48H	J48HL
³ ⁄4 " -] "	SK4806-06	SK4806-04
11⁄4 " - 11⁄2 "	SK4808-06	SK4808-04
2″	SK4809-06	SK4809-04

Main features

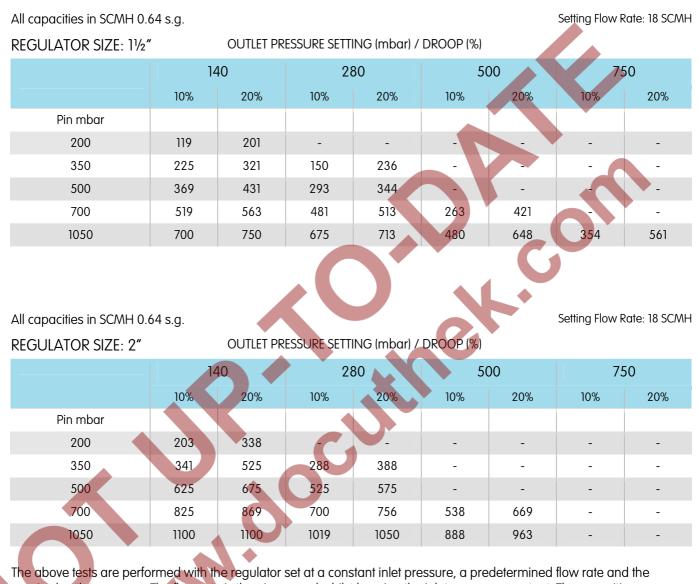
- Sizes 34", 1", 11/4", 11/2" & 2"
- Temperature range -20°C to +70°C
- Threaded connections to BS EN 10226 (ISO 7) or NPT (other threads may be available upon request)
- Fully inlet pressure balanced
- Full lock-up capability
- Internal impulse
- Spring loaded
- Quick release spring on J48HL
- Excellent outlet pressure control



J48H: Pressure Regulator Regulating Capacities



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The above tests are performed with the regulator set at a constant inlet pressure, a predetermined flow rate and the required outlet pressure. The flow rate is then increased whilst keeping the inlet pressure constant. The capacities are recorded when the outlet pressure has fallen by 10% and 20% from the set point. The capacities on the previous pages are given in SCMH of natural gas (0.64 SG).

For other gases multiply the capacity by:



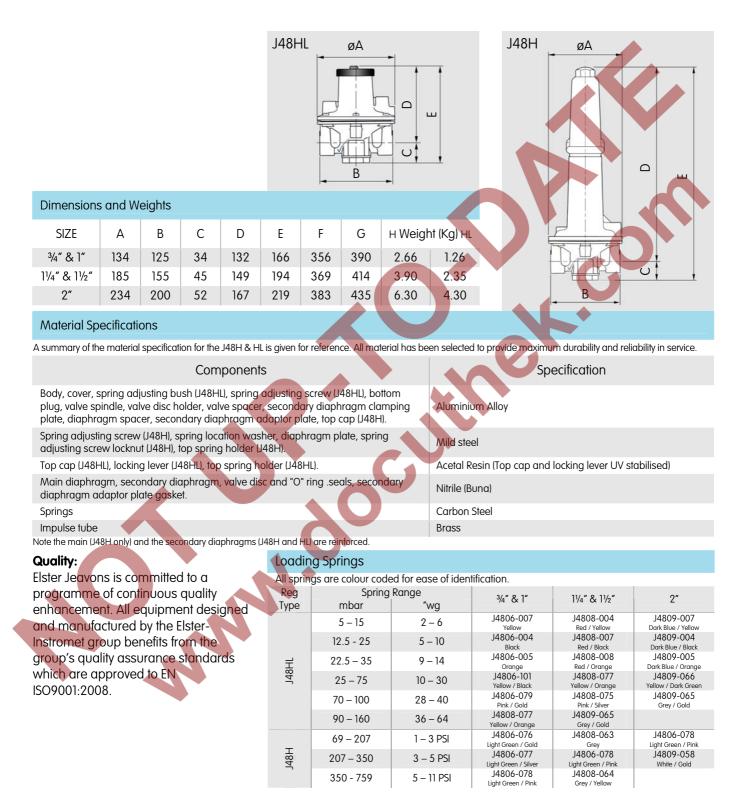
GAS	SG
Air	1.00
Towns Gas	0.50
Propane	1.53
Propane / Air	1.20

CHOOSING THE CORRECT PIPE SIZE

The above tests were carried out with pipe size equal in diameter to the regulator and pressure tappings conforming to BS3554 Part 2 positioned 5 diameters from the regulator.

It is recommended that the actual velocity of the gas in the pipe is limited to 60 m/s (200 ft/s).

To do this, it may be necessary to select larger inlet and outlet pipe sizes if higher flow rates are being passed through the regulator.



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