



ERG-S SERIES

DOUBLE STAGE
GAS PRESSURE REGULATOR

ERG-S

The ERG-S series double stage pressure regulator is used on the gas line to reduce the inlet pressure to the desired outlet pressure. It is suitable for both commercial and domestic use where it can be installed directly on gas meters with high operational reliability and accuracy of the outlet pressure.

Thanks to the different range of inlet and outlet connections, it is possible to use the ERG-S series together with the pipe diameter from DN15 to DN50 with different threading standards, as well as BSP, BSPT, NPT, NPP.

The modular concept of ERG-S and the wide range of input and output connections allow to satisfy particular customer needs.

The regulators are manufactured according to the Ped Directive 2014/68 / UE. Functional tests are carried out according to EN334.

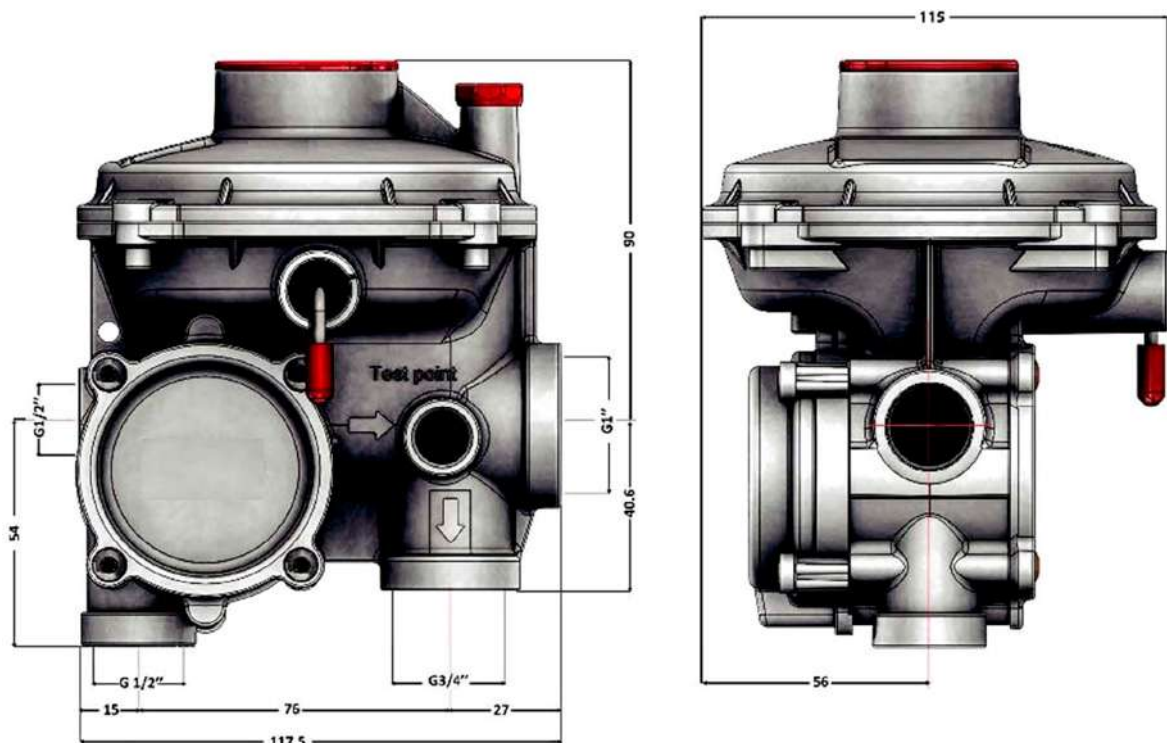
Technical Features

- For medium pressure domestic or commercial second group gas lines
- Optional wire mesh filter for easy replacement and ensures longer regulator service life
- The outlet pressure tolerance is +% 10 (AC10) to + -% 5 (AC5)
- The safety shut-off valve pressure tolerance is +% 20 (SG20) up to an outlet pressure of 100 mbar, more than 100 mbar of outlet pressure SG20 and SG10 are possible
- Inlet pressure up to 6 bar
- Outlet pressure range 18 - 500 mbar with interchangeable springs

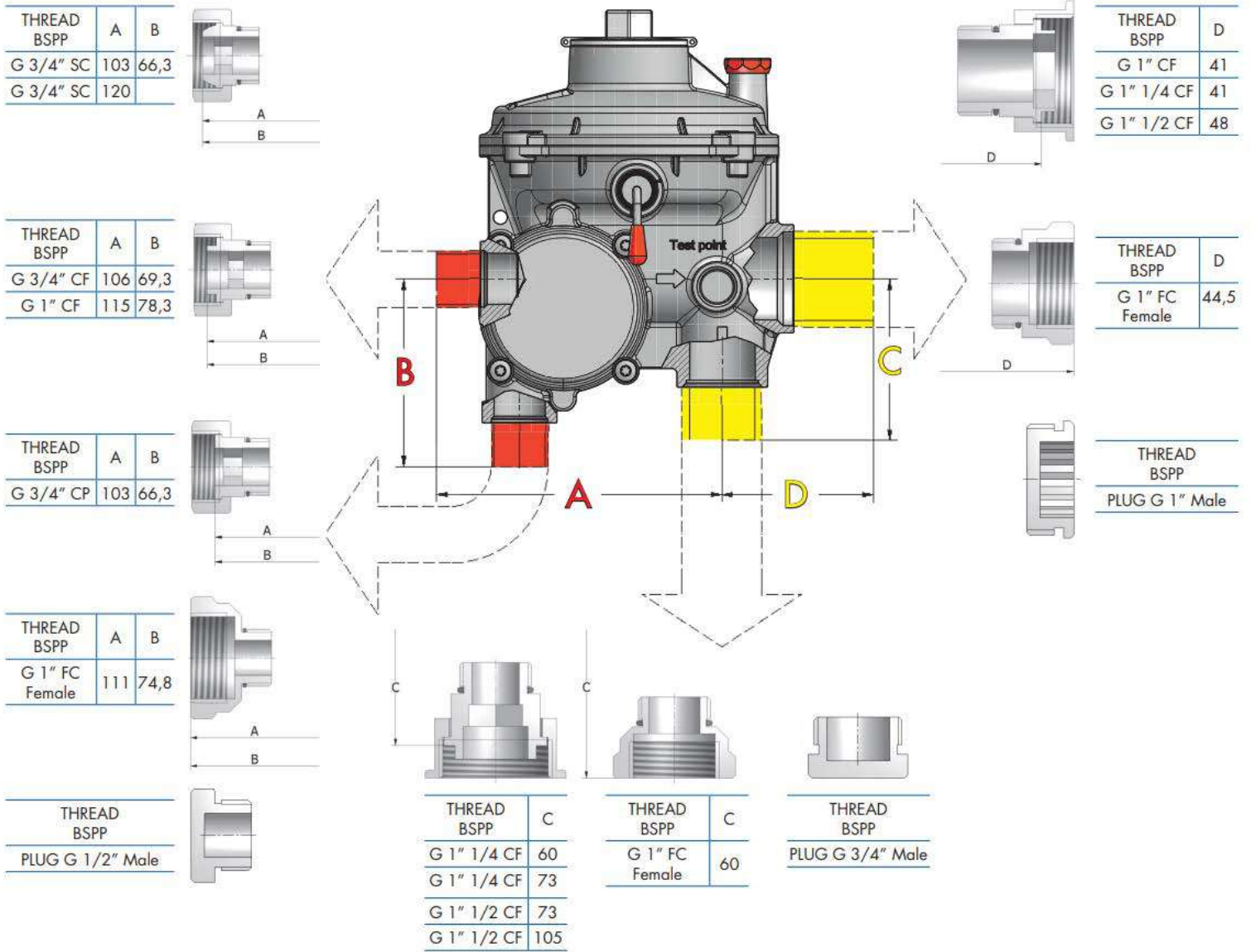
Optionally:

- Built-in shut-off valve under pressure
- Internal safety valve

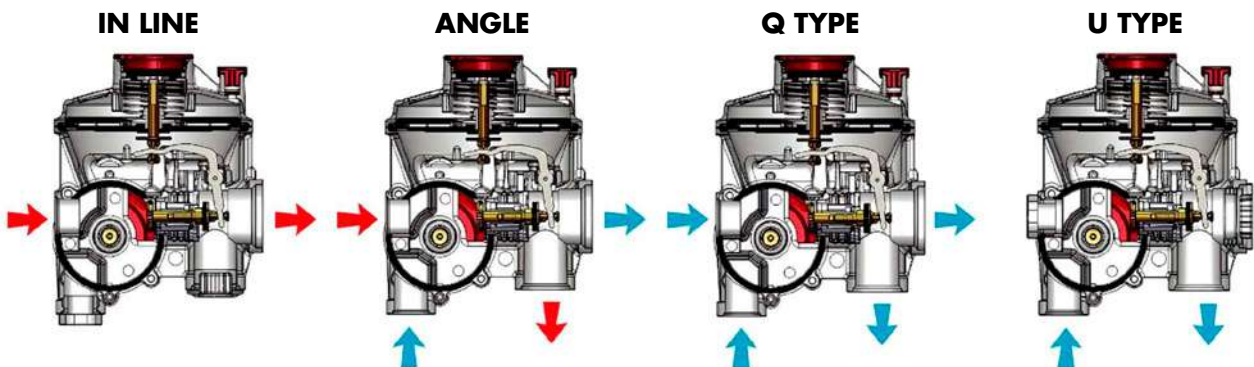
Dimensions



Connection Types



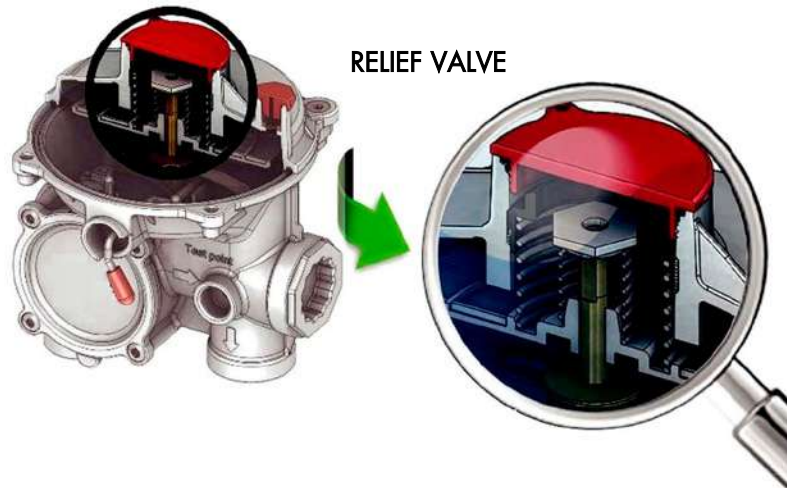
Configurations



SAFETY AND ACCESSORIES

Relief System

The regulator can be produced with a safety valve. The safety valve continuously monitors the outlet pressure and when it detects a pressure level higher than the nominal outlet pressure of the regulator, it activates and discharges gas into the atmosphere. The safety valve has a limited discharge capacity and can be recalibrated using appropriate tools

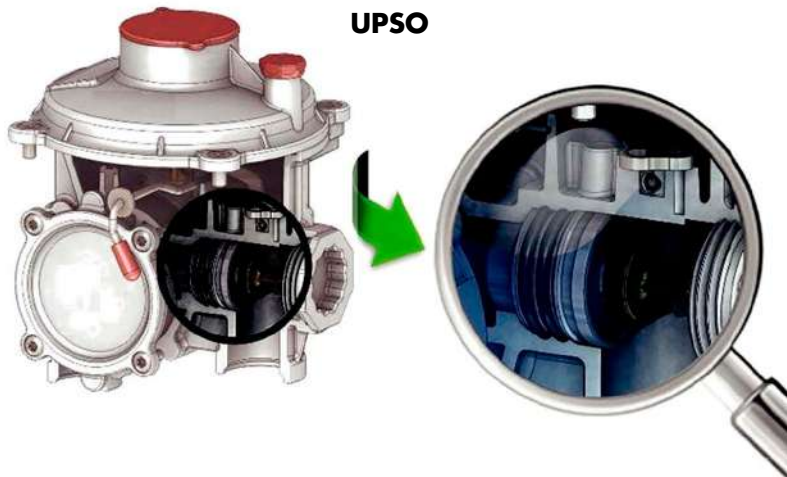


Under Pressure Shut Off system (UPS0)

The UPSO system on the ERG-S series regulator acts in these circumstances;

- When there is no pressure inlet side
- When consumption exceeds the maximum capacity of the regulator (from $101 * Q$ to $150 * Q$)
- When the outlet side of the pressure drop due to consumption

The UPSO valve continuously monitors changes in outlet pressure. Scenarios such as pipe rupture on the outlet sides or consumption exceed the total capacity of the regulator or the lack of inlet pressure situations, etc ... the outlet pressure decreases and the regulator stops the gas once the UPSO system is activated



Technical Features

Medium	natural gas, LPG and non-corrosive gas
Operating temperature	-20 ... + 60 ° C (optional: -40 ... + 60 ° C)
Assembly	vertical and horizontal position
Maximum inlet pressure	6 bar
Minimum inlet pressure	depending on the customer's request, it can start from 0.1 bar
Outlet pressure range	from 18 to 500 mbar
Filter	included

Design

The body of the ERG-S series pressure regulator can consist of:

- Valve body
- Connections
- Filter
- Ventilation console
- Test point for outlet pressure
- Integrated safety valves (UPSO / Relief)

Materials

- Aluminum body and covers according to the EN1706 standard
- The rubber components are nitrile rubber conforming to EN 549
- Brass materials are suitable according to EN12164 - EN12165
- The filter material is a wire mesh filter

Models

MODEL	FLOW RATE			UNIT WEIGHT (kgs)	BOX SIZE (LxWxH cm)	PAKAGING (pieces/carton)	CARTON SIZE (LxWxH cm)	CARTON (weight)	TOTAL CARTON (weight)
	LPO 15-75 mbar	MPO 75-100 mbar	HPO 150-500 mbar						
ERG-S 06	6			1,10	15x14,5x16	16	33x58x35	0,65 kg	18,2 kg
ERG-S 10	10			1,10	15x14,5x16	16	33x58x35	0,65 kg	18,2 kg
ERG-S 25	25			1,10	15x14,5x16	16	33x58x35	0,65 kg	18,2 kg
ERG-S 50	50			1,10	15x14.5x16	16	33x58x35	0,65 kg	18,2 kg

BESIDE STANDARD FLOW RATE ABOVE 1,6/2,5/15/30/40/60/65 SCMH ARE AVAILABLE UPON REQUEST.

Product range

Rotary piston gas meters

Turbine gas meters

Gas pressure regulators

Electronic volume correctors

Diaphragm gas meters

Smart meters

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