



ERG-H5 SERIES

PN20 Single Stage Gas Pressure
Regulator With Shut Off



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Patented
Design

U.P.S.O.
Option

%100 Quality
Control



APPLICATION

ERG-H1 Series pressure regulator which is used on gas line to reduce inlet pressure to desired outlet pressure.

ERG-H1 series pressure regulators are suitable for commercial usage like Gas Skids where the maximum inlet pressure up to 20 bar and outlet pressure up to 4 bar.

It is mainly used in Distribution of Natural Gas and also suitable to use with non-corrosive gases. ERG-H1 is a single stage regulator with a optional security systems such as relief valve UPSO and OPSO/

FEATURES

- For medium and high pressure domestic or industrial second group gas lines.
- Max inlet pressure 1 to 20 bar.
- Max outlet pressure MPO: 100 to 800 and HPO : 800 to 4 bar.
- Optional filter on inlet.
- Outlet pressure tolerance is $\pm 5-10$ (AC5 & AC10)
- Lock up pressure tolerance is max $+30$ (SG30)
- Can be integrated with Relief valve & UPSO & OPSO
- Temperature class as a standard -20 to +60 Centigrade Degree. Low temperature series has ability to work under as low as -40 Centigrade Degree.
- Flow direction inline and angle type.

DESIGN

The ERG-H1 Series pressure regulator body consists of :

- Valve housing
- Internal thread
- Filter
- Set up tool
- Breather consol.
- Optional pressure test point.
- Over pressure shut off OPSO
- Under pressure shut off UPSO
- Integrated bypass

MATERIALS

- Body and covers Steel or Iron
- Rubber components have gas approval according to EN 549
- Brass materials are suitable according to EN 12164 Standard.
- Plastic materials are POM
- Filter material is synthetic fiber.

SPECIFICATIONS

Medium : Second Family Group H

Operating temperature : -40...+60

Assembly : Vertical and Horizontal Position

Way : 2/2

Maximum inlet pressure : 20 bar

Outlet pressure range : 100 mbar to 4 bar.

Referring : EN 334, EN 13611

Conforming : PED 97/23

Filter : As a standard 100 micron pore diameter.