



ERG-S SERIES

PN6 Double Stage
Gas Pressure Regulator



www.eskavalve.com



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Patented
Design

Fast
Response

U.P.S.O.
Valve

O.P.S.O.
Option

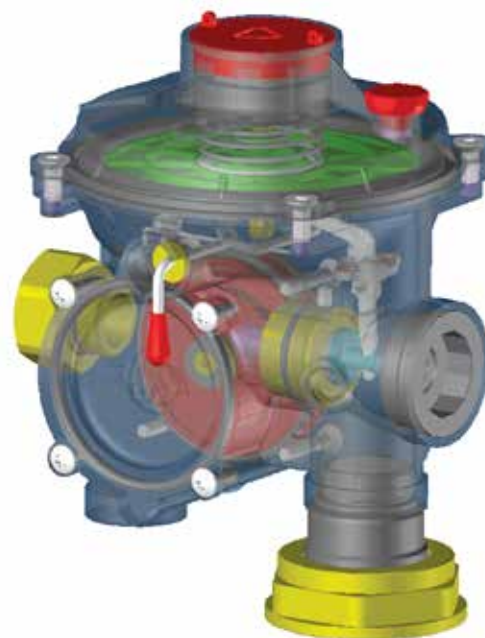
Relief
Valve

%100 Quality
Control



INTRODUCTORY AND TECHNICAL INFORMATION

- ERG-S series gas pressure regulators are used in the gas lines in order to reduce maximum 6 bar input pressure to the desired output pressure between 16 and 500 mbar. The range of the output pressure can be set with the choice of a different spring.
- Usage: The below and above ground service boxes in the gas networks and gas pipelines in the civic networks and industrial fields
- Fluid Type: Second Family Group H Medium - Non-corrosive gases such as Natural Gas (Methane), LPG, Propane, Butane, Town Gas, Air, etc...
- Pressure Class: PN4 and PN6
- Inlet Connection or Port Size: 1/2", 3/4", 1" ISO 228/1 BSPP
ISO 228/1 BSPT – ANSI / ASME B 1.20.1 NPT Threaded (Female)
- Outlet Connection or Port Size: 1", 1 1/4", 1 1/2", 2" ISO 228/1 BSPP
ISO 228/1 BSPT – ANSI / ASME B 1.20.1 NPT, Threaded (Female).
- Inlet Pressure Range: 0,1 bar up to 6 bar
- Outlet Pressure Range: 16 mbar up to 500 mbar
- Flow Range: 2,5 - 6 - 10 - 15 - 25 - 30 - 50 - 60 m³/h
- Filter: Bronze mech metallic filter
- Number of Stages: Double Stage
- Accuracy Class: AC 10 (± 10%) (On request AC5, AC15, AC20)
- Lock Up Pressure Class: SG20 (+ 20%) (On request SG10 + %10)
- Ambient Temperature: -20°C up to 60°C (On request -40 °C)
- Angle Type: 90° or U or Inline or Q type
- Relief Pressure: Based on customer demand
- Relief Pressure Tolerance: ± 10%
- UPSO: Exceed flow valve (between capacity's 101% to 150%) based on customer demand
- UPSO Pressure Tolerance: ± 10%
- Structural Additional Features: With UPSO, with relief valve
- Material Standard: Aluminum-EN 1706 / Zinc Alloys-EN 1774 / Brass-EN 12164 and EN 12165 / Rubber-EN 549 / Stainless Steel- EN 10088 / Plastic-EN 11667
- Materials: Body and cover- EN AC 46100 Aluminum / Some Internal Parts- CuZn39Pb3 Brass, Zamak Zinc Alloy, Stainless Steel, Nylon or POM Plastic / Some External Parts-CuZn40Pb2 Brass and Zamak Zinc Alloy / Rubber NBR / Spring- AISI 302



MODEL NAME	FLOW RATE (m³/h)	UNIT WEIGHT (kgs)	BOX SIZE (LxWxH cm)	PACKAGING (pieces/ carton)	CARTON SIZE (LxWxH cm)	CARTON (weight)	TOTAL CARTON (weight)
ERG-S 2.5	2,5	1,10	15x14.5x16	16	33x58x35	0.65kg	18.2 kg
ERG-S 06	6	1,10	15x14.5x16	16	33x58x35	0.65kg	18.2 kg
ERG-S 10	10	1,10	15x14.5x16	16	33x58x35	0.65kg	18.2 kg
ERG-S 15	15	1,10	15x14.5x16	16	33x58x35	0.65kg	18.2 kg
ERG-S 25	25	1,10	15x14.5x16	16	33x58x35	0.65kg	18.2 kg
ERG-S 30	30	1,10	15x14.5x16	16	33x58x35	0.65kg	18.2 kg
ERG-S 50	50	1,10	15x14.5x16	16	33x58x35	0.65kg	18.2 kg
ERG-S 60	60	1,10	15x14.5x16	16	33x58x35	0.65kg	18.2 kg



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Patented Design

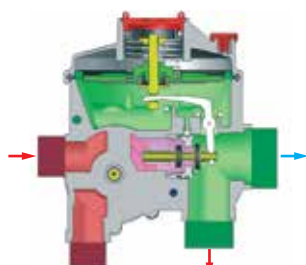
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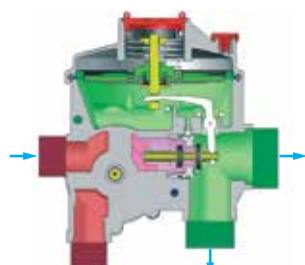
**O.P.S.O.
Option**

Relief Valve

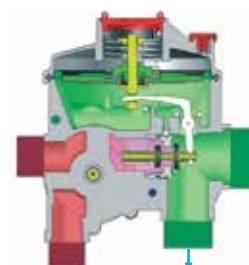
%100 Quality Control

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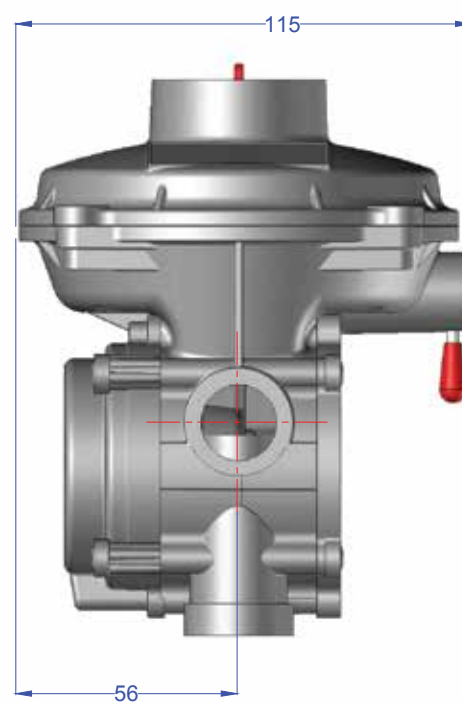
ANGLE



Q TYPE



U TYPE

[illegible]



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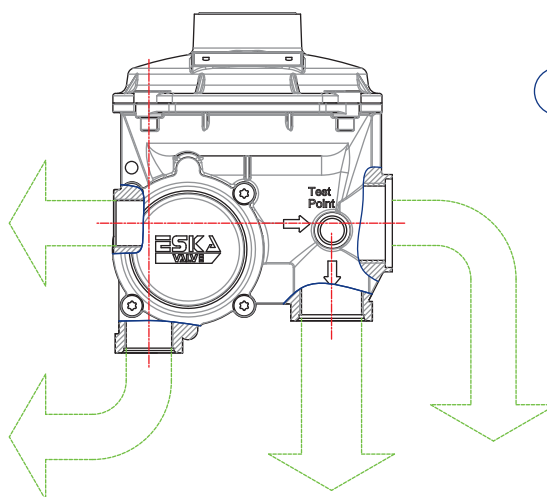
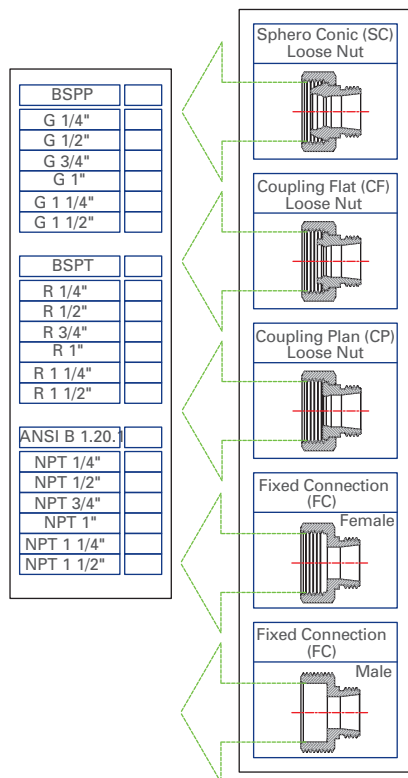
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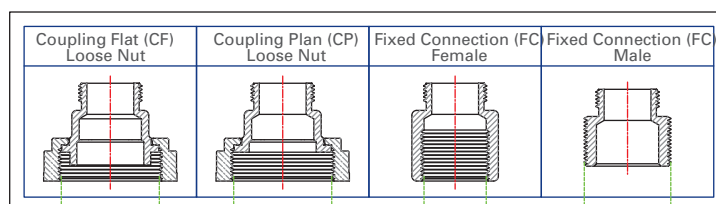
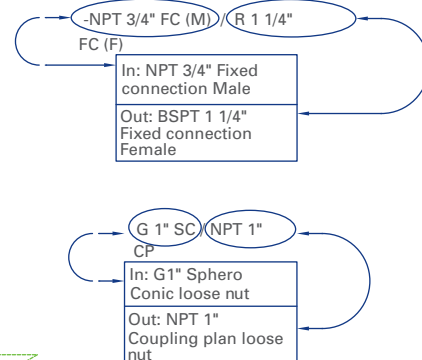
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Control



CONNECTION TYPES AND DIMENSIONS (mm)



Example



BSPP		BSPT		ANSI B 1.20.1	
G 1/4"		R 1/4"		NPT 1/4"	
G 1/2"		R 1/2"		NPT 1/2"	
G 3/4"		R 3/4"		NPT 3/4"	
G 1"		R 1"		NPT 1"	
G 1 1/4"		R 1 1/4"		NPT 1 1/4"	
G 1 1/2"		R 1 1/2"		NPT 1 1/2"	

INLET	1/2" CF	3/4" CF	7/8" CF	1" CF	1 1/4" CF
	16	15.5	16.4	16.4	17
	1/2" Tapa	3/4" SC			
	7.3	12.3			

OUTLET	1/2" CF	3/4" CF	7/8" CF	1" CF	1 1/4" CF (For 1" Outlet)
	17	18.5	19.3	19.4	22.4
	1 1/4" CF (For 3/4" Outlet)	3/4" Tapa (For 3/4" Outlet)	1" Tapa (For 1" Outlet)		
	19.7	6	0		



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OPTIONS

TESTING PORTS ON BODY



SEALING HOLES ON
CONNECTIONS



BREATHING HOLE
EXTENSION



PERMANENTLY SEALED
PLASTIC CAP



PAINT COATING FOR
UNDERGROUND INSTALLATIONS



SMALLER HEAD FOR
HIGH PRESSURE



SIMILAR PRODUCTS



ERG-S



ERG-SX



ERG-SXE

MARKING

LASER ENGRAVING

