



ERG-E SERIES

PN1 Single Stage Gas Pressure
Regulator With Shut Off

ESKA
VALVE

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Patented Design

U.P.S.O. Option

%100 Quality Control



INTRODUCTORY AND TECHNICAL INFORMATION

- ERG-E series gas pressure regulators are used in the gas lines in order to reduce maximum 1 bar input pressure to the desired output pressure between 16 and 150 mbar. The range of the output pressure can be set with the choice of a different spring. The regulator with safety stopping gets automatically active and stops the gas flow in case that the input pressure gets higher or lower than the adjusted value in order to ensure the safety of the devices used in the system thanks to the safe stopping system it includes.
- Usage: City gas networks and gas pipelines in industrial areas
- Fluid Type: Second Family Group H Medium - Non-corrosive gases such as Natural Gas (Methane), LPG, Propane, Butane, Town Gas, Air, etc...
- Pressure Class: PN1
- Connection or Port Size: 1/2", 3/4", 1", 1 1/4", 1 1/2", 2" Threaded (Female)
- Inlet Pressure Range: 50 mbar up to 1 bar
- Outlet Pressure Range: 16 mbar up to 150 mbar
- Flow Range: 20-105 SCM/H
- Filter : Pore dimensions as standard 50 micron (10-20 microns on request)
- Number of Stages: Single Stage
- Accuracy Class: AC 10 ($\pm 10\%$) (On Request AC5, AC15, AC20)
- Lock Up Pressure Class: SG30 (+ 30%) (On Request SG10, SG20)
- Ambient Temperature: -20°C up to 60°C (On request -40 °C)
- OPSO Pressure Range: 30 mbar up to 200 mbar
- OPSO Pressure Tolerance: 20%
- UPSO Pressure Range: 12 mbar up to 40 mbar
- UPSO Pressure Tolerance: 20%
- Shut Off Time : Less than 1 second
- Structural Additional Features: With Shutoff
- Material Standard: Aluminum-EN 1706 / Zinc Alloys-EN 1774 / Brass-EN 12164 and EN 12165 / Rubber-EN 549 / Stainless Steel- EN 10088 / Plastic-EN 1169
- 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 / Ru Spring- AISI 302



CONNECTION	OUTLET PRESSURE (21mbar)
1/2"	20 m³/h
3/4"	25 m³/h
1"	35 m³/h
1 1/4"	85 m³/h
1 1/2"	100 m³/h
2"	120 m³/h

FLOW RATE TABLE (FOR NATURAL GAS)

MODEL NAME	CONNECTION	UNIT WEIGHT	BOX SIZE (LxWxH cm)	PACKAGING (pieces/ carton)	CARTON SIZE (LxWxH cm)	CARTON (weight)	TOTAL CARTON (weight)
ERG-E 1015	1/2"	1,50 kg	15,5x13x18	15	50x50x30	0.85 kg	23,35 kg
ERG-E 1020	3/4"	1,50 kg	15,5x13x18	15	50x50x30	0.85 kg	23,35 kg
ERG-E 1025	1"	1,50 kg	15,5x13x18	15	50x50x30	0.85 kg	23,35 kg
ERG-E 1032	1 1/4"	3,75 kg	24x23x24	4	50x50x30	0.85 kg	15,85 kg
ERG-E 1040	1 1/2"	3,75 kg	24x23x24	4	50x50x30	0.85 kg	15,85 kg
ERG-E 1050	2"	3,75 kg	24x23x24	4	50x50x30	0.85 kg	15,85 kg



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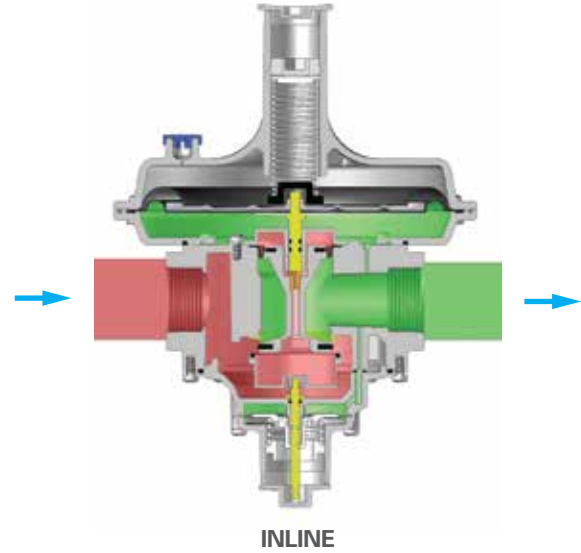
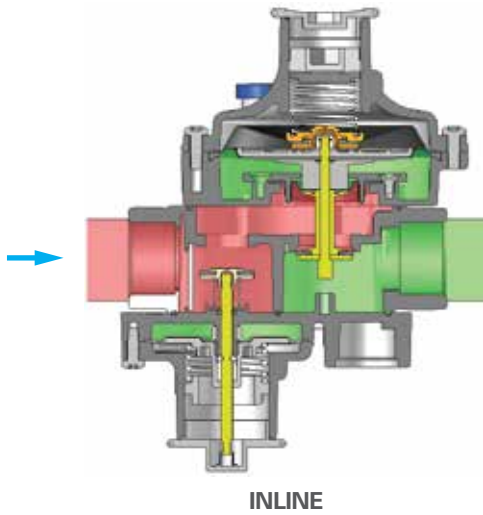
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FLOW DIRECTIONS



OPTIONS

TESTING PORTS ON BODY



PERMANENTLY SEALED PLASTIC CAP



BREATHING HOLE EXTENSION



SIMILAR PRODUCTS



ERG



ERG-M



ERG-L



ERG-E SERIES

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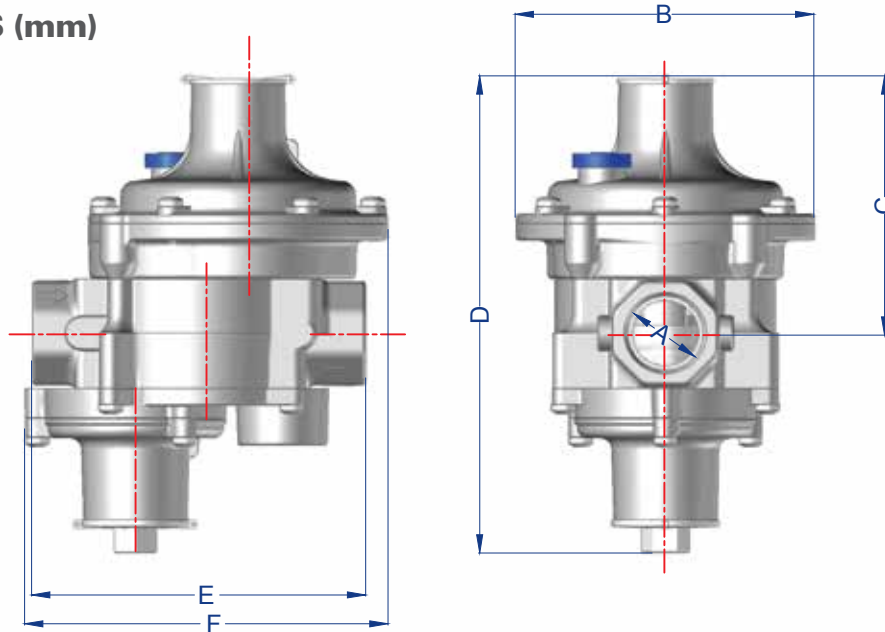
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Design

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Option

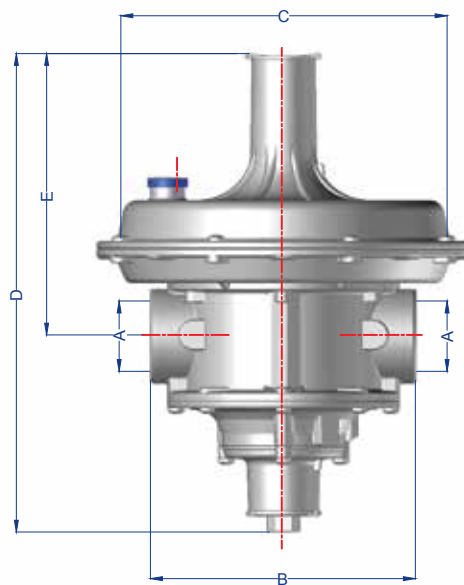
%100 Quality
Control



DIMENSIONS (mm)



MODEL	A	B	C	D	E	F
ERG-E 1015	1/2"	122	106	198	136	146
ERG-E 1020	3/4"	122	106	198	136	146
ERG-E 1025	1"	122	106	198	136	146



MODEL	A	B	C	D	E
ERG-E 1032	1 1/4"	160	225	237	183
ERG-E 1040	1 1/2"	160	225	237	183
ERG-E 1050	2"	162	225	259	192