

■ TECHNICAL SPECIFICATIONS and FEATURES

ERG Series pressure regulator which can be used on gas lines to reduce inlet pressure to desired outlet pressure. Outlet pressure is adjustable with using range of different springs. Maximum allowed inlet pressure is 1 Bar. Capacity is vary between 20 SCMH to 125 SCMH (Methane). ERG series regulators can be manufactured with filter.

ERG-E Series pressure regulator which can be used on gas lines to reduce inlet pressure to desired outlet pressure. Outlet pressure is adjustable with using range of different springs. Maximum allowed inlet pressure is 1 Bar. Capacity is vary between 15 SCMH to 120 SCMH (Methane). ERG-E series regulators can be manufactured with filter. E means ERG series regulator has slam shut options which are called Over Pressure Shut Off O.P.S.O and Under Pressure Shut Off U.P.S.O. Customers can choose which they want to use and safety system pressure set values from different spring.

Outlet pressure and slam shut sense pressures are adjustable within spring load rate. ERG-E series regulator can be manufactured one or all of these safety systems as a choice for customers.



■ PERFORMANCE CHARACTERISTICS

Accuracy Class: AC 10

Lock up Pressure Class: SG 30

OPSO Range: 30-450 ±%10

UPSO Range: 8-100 ±%10

Outlet Pressure Range: 8 to 450 mbar

Inlet Pressure Range: 0.1 to 1 bar.

Connection: ½", ¾", 1", 1 ¼", 1 ½", 2 Thread

Ambient Temperature: -20 °C +60 °C

Fluids: Non - aggressive Gasses

Filter: 50 micron on request 10 or 20 micron

Approved from EN88-2, EN 13611, TS 10624 standards

Usage: Gas pipeline networks, industrial usage.

Shut of time is under 1 sec. for ERG-E

Patented
Design

O.P.S.O.
Option

U.P.S.O.
Option



■ MATERIAL INFORMATION

Valve Body and Cover: Die cast aluminum or zinc.

Diaphragm / Oring / Sealing seat: H-NBR

Other Metal Internal Parts: Aluminum and brass

Other Plastic Internal Parts: POM – Nylon 6

MODEL NAME	SLAM SHUT	NOMINAL DIAMETER	FLOW RATE (SCMH)	STANDARD OUTLET PRESSURE
ERG-E 1015	YES	DN 15	15	21 mbar
ERG-E 1020	YES	DN 20	25	21 mbar
ERG-E 1025	YES	DN 25	40	21 mbar
ERG-E 1032	YES	DN 32	80	21 mbar
ERG-E 1040	YES	DN 40	100	21 mbar
ERG-E 1050	YES	DN 50	120	21 mbar
ERG 1015	NO	DN 15	20	21 mbar
ERG 1020	NO	DN 20	30	21 mbar
ERG 1025	NO	DN 25	40	21 mbar
ERG 1032	NO	DN 32	85	21 mbar
ERG 1040	NO	DN 40	110	21 mbar
ERG 1050	NO	DN 50	125	21 mbar

OPTIONS

Relief Valve: If outlet pressure increase further than limitation, relief valve can deploy gas to the atmosphere.

OPSO: Over pressure slam shut safety system

UPSO: Under pressure slam shut safety system

Inlet Connections: 1/2" – 3/4" – 1", 1 1/4" – 1 1/2" – 2"

Outlet Connections: 1/2" – 3/4" – 1", 1 1/4" – 1 1/2" – 2"

Filter: Metal mesh filter or synthetic filter to prevent dust and paticules from inside the regulator.

INLET PRESSURE	MODEL	OUTLET PRESSESSURE RANGE (mbar)
Maximum 1 Bar	ERG ERG-E	8-16
Maximum 1 Bar		16-35
Maximum 1 Bar		35-90
Maximum 1 Bar		90-140
Maximum 1 Bar		140-200
Maximum 1 Bar		200-250

OUTLET PRESSURE SPRING CHOICE

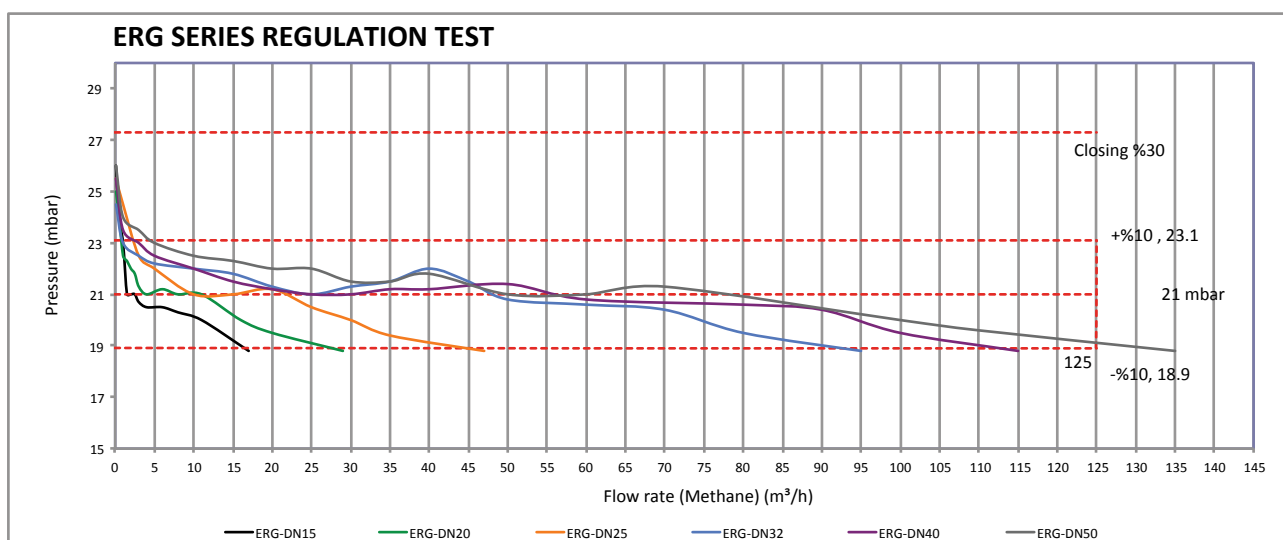
INLET PRESSURE	PRESSURE RANGE (mbar)
Maximum 1 Bar	30-110
Maximum 1 Bar	110-210
Maximum 1 Bar	210-450

O.P.S.O. SPRING CHOICE

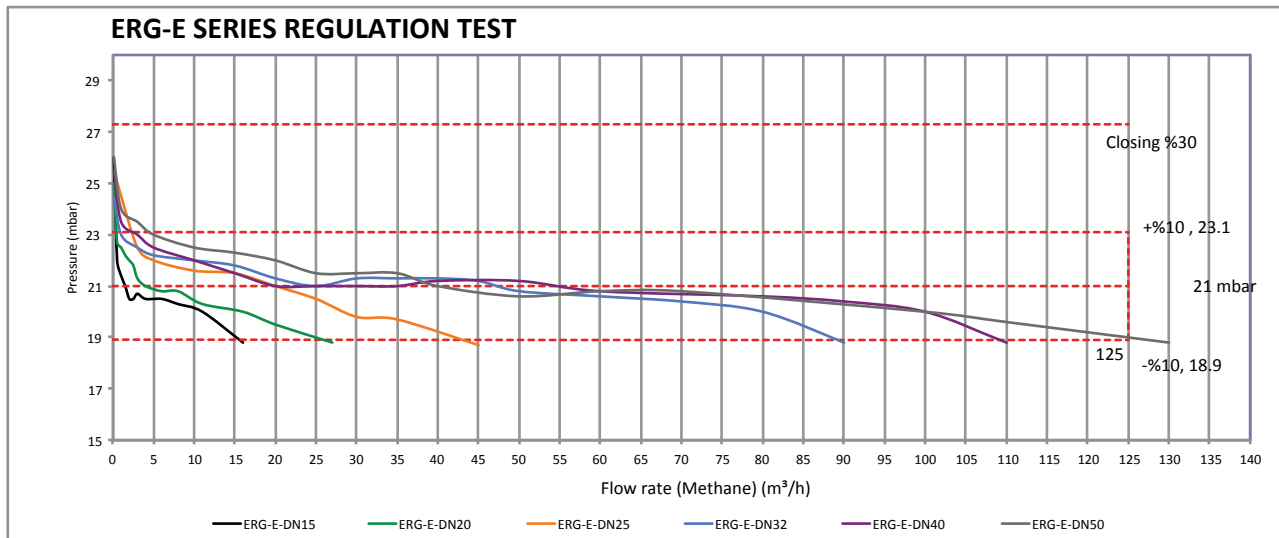
INLET PRESSURE	PRESSURE RANGE (mbar)
Maximum 1 Bar	5 - 30

U.P.S.O. SPRING CHOICE

DIAGRAMS



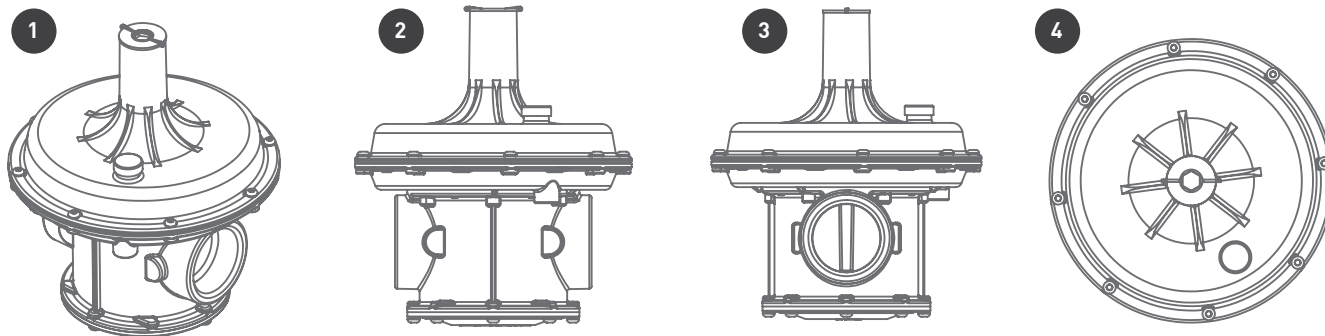
DIAGRAMS



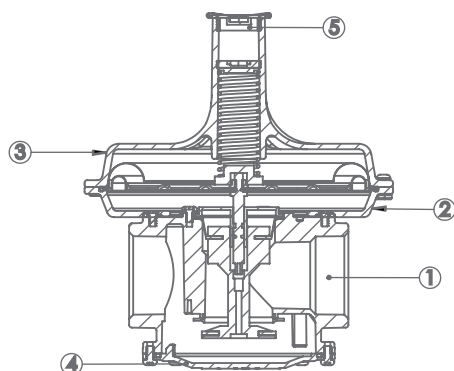
PICTURES



DIMENSIONS (mm)

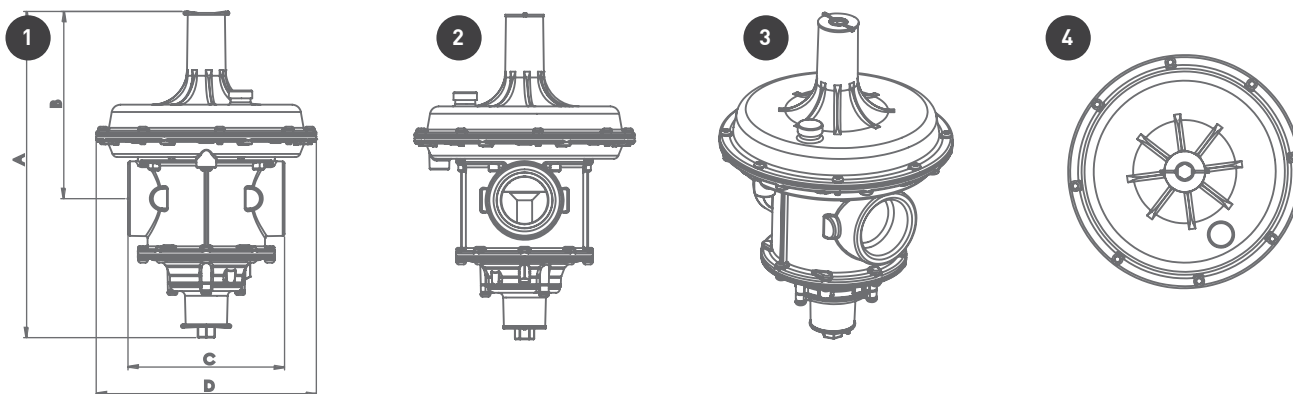


INTERNAL PARTS

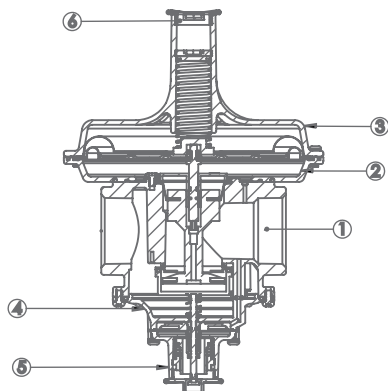


MODEL	INLET CONNECTION	OUTLET CONNECTION	A	B	C	D	WEIGHT (kg)
ERG 1032	11/4"	32	234.5	168.5	160	225	3.120
ERG 1040	11/2"	40	234.5	168.5	160	225	3.042
ERG 1050	2"	50	257	191	162	225	3.368

NO	MATERIAL NAME	QTY
1	BODY	1
2	SIDE COVER	1
3	UPPER COVER	1
4	BOTTOM COVER	1
5	REGULATION SPRING	1



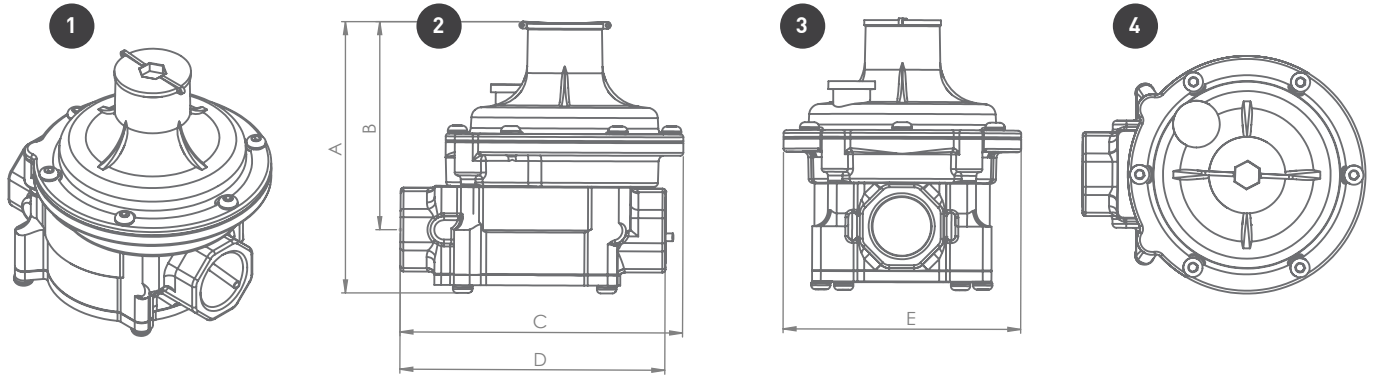
INTERNAL PARTS



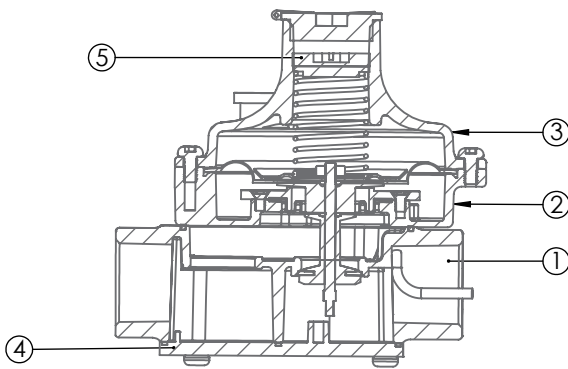
MODEL	INLET CONNECTION	OUTLET CONNECTION	A	B	C	D	WEIGHT (kg)
ERG-E 1032	11/4"	32	311	169	160	225	3.372
ERG-E 1040	11/2"	40	311	169	160	225	3.350
ERG-E 1050	2"	50	333.5	191.5	162	225	3.645

NO	MATERIAL NAME	QTY
1	BODY	1
2	COVER	1
3	UPPER COVER	1
4	SLAMSHUT COVER	1
5	SLAMSHUT SPRING	1
6	REGULATION SPRING	1

DIMENSIONS (mm)



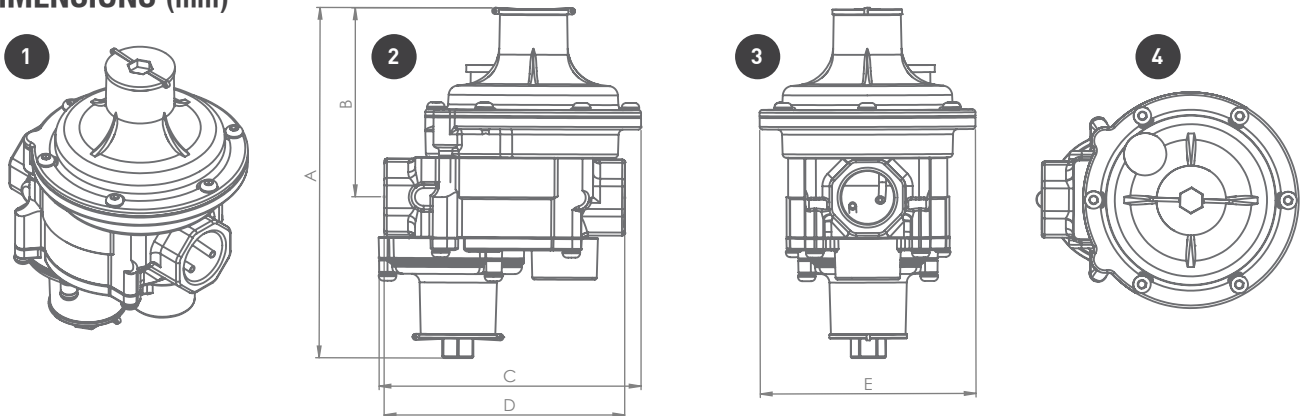
INTERNAL PARTS



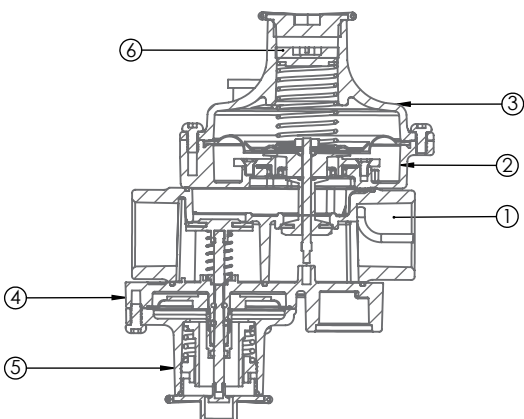
MODEL	INLET CONNECTION	OUTLET CONNECTION	A	B	C	D	E	WEIGHT (kg)
ERG 1015	1/2"	20	139	120	145	136	122.4	1.074
ERG 1020	3/4"	25	139	120	145	136	122.4	1.070
ERG 1025	1"	30	139	120	145	136	122.4	1.040

NO	MATERIAL NAME	QTY
1	BODY	1
2	SIDE COVER	1
3	UPPER COVER	1
4	BOTTOM COVER	1
5	REGULATION SPRING	1

DIMENSIONS (mm)



INTERNAL PARTS



MODEL	INLET CONNECTION	OUTLET CONNECTION	A	B	C	D	E	WEIGHT (kg)
ERG-E 1015	1/2"	20	200	120	145	136	122.4	1.318
ERG-E 1020	3/4"	25	200	120	145	136	122.4	1.310
ERG-E 1025	1"	30	200	120	145	136	122.4	1.275

NO	MATERIAL NAME	QTY
1	BODY	1
2	COVER	1
3	UPPER COVER	1
4	SLAMSHUT COVER	1
5	SLAMSHUT SPRING	1
6	REGULATION SPRING	1