

■ TECHNICAL SPECIFICATIONS and FEATURES

ERG-M 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 spring. Maximum allowed inlet pressure is 0.5 Bar. Capacity is 5 SCMH

ERG-M series regulators can be manufactured with U.P.S.O. valve which is a automatic system. If the something cause to pipe line breakdown, because of the pressure drop valve close the gas line automatically. For this situation U.P.S.O. valve does not cut the flow permanently, it gives little flow no more than 30 dm³/h. When the pipe line is fixed, outlet pressure will be increase and U.P.S.O. valve reset the regulator automatically.

It can also be manufactured with filter (as a standard 50 micron)



■ PERFORMANCE CHARACTERISTICS

Accuracy Class: AC10

Lock up Pressure Class: SG30

UPSO Range: 5-100 mbar ±%10

Outlet Pressure Range: 8 to 100 mbar

Inlet Pressure Range: 0.05 to 0.5 bar.

Connection: Inlet 1/2", 3/4", – Outlet 1/2", 3/4"

Ambient Temperature: -20 °C +60 °C

Outlet Flow Rates: 5 SCMH (Methane)

Fluids: Non - aggressive Gasses

Filter: 50 micron

Approved from EN88-1, EN 13611, TS 10624 standards

Class and Group: A Class, Group 2 (A2)

Usage: Gas pipeline networks, industrial usage.

Patented
Design

Fast
Response

U.P.S.O.
Valve



■ MATERIAL INFORMATION

Valve Body and Cover: Die cast aluminum or zinc.

Diaphragm/Sealing Seat: H-NBR

Other Metal Internal Parts: Aluminum and brass

Other Plastic Internal Parts: POM – Nylon 6

MODEL NAME	FLOW RATE
ERG-M1015	5 m ³ /h
ERG-M1020	5 m ³ /h

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

U.P.S.O. SPRING CHOICE

INLET PRESSURE	MODEL	OUTLET PRESSESSURE RANGE (mbar)
Maximum 0.5 Bar	ERG-M	8-16
Maximum 0.5 Bar		16-35
Maximum 0.5 Bar		35-90

OUTLET PRESSURE SPRING CHOICE

OPTIONS

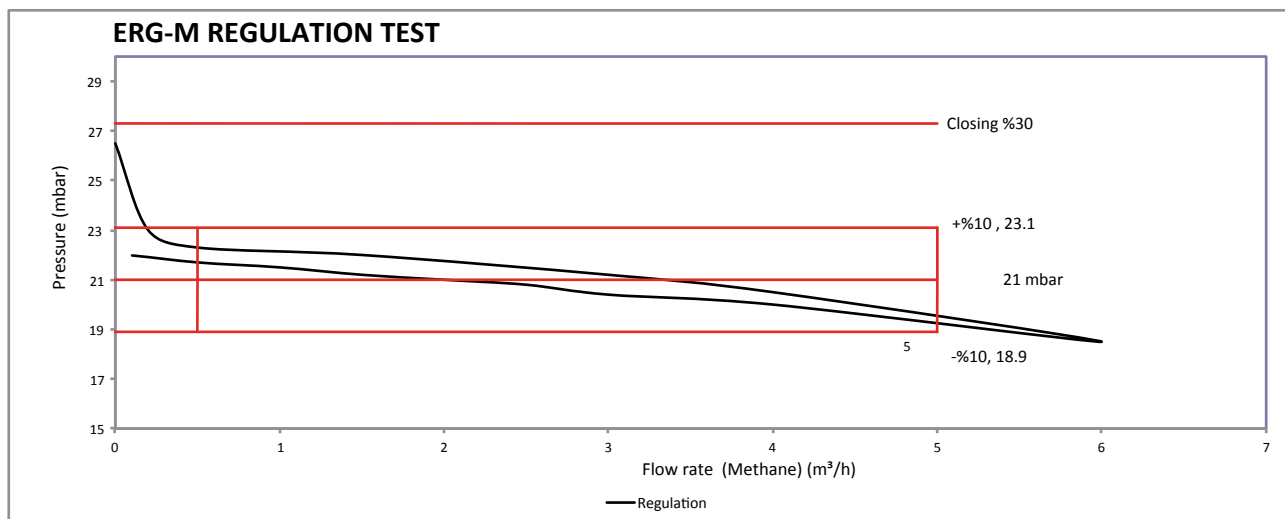
UPSO: Under pressure shut off valve

Inlet Connections: 1/2" – 3/4"

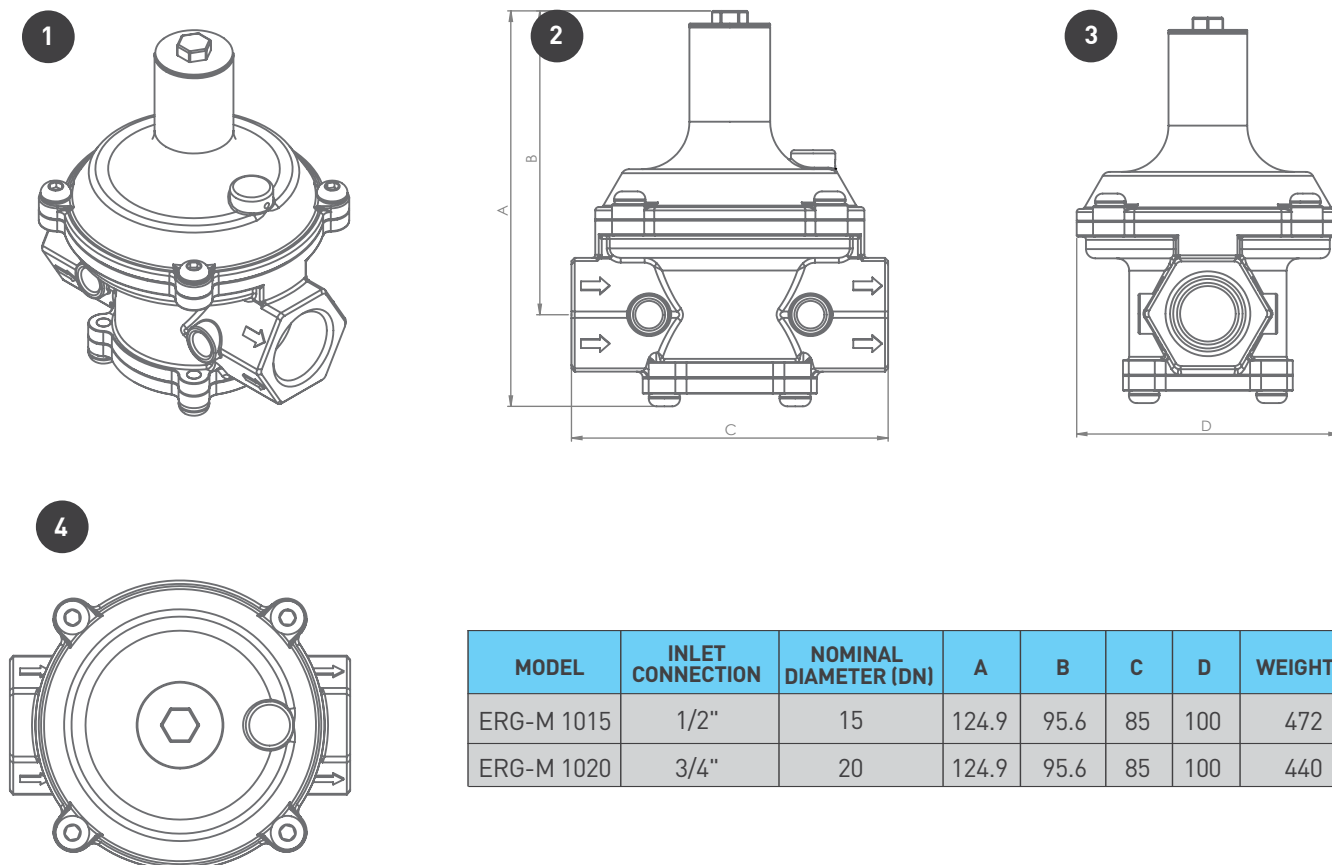
Outlet Connections: 1/2" – 3/4"

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

DIAGRAMS

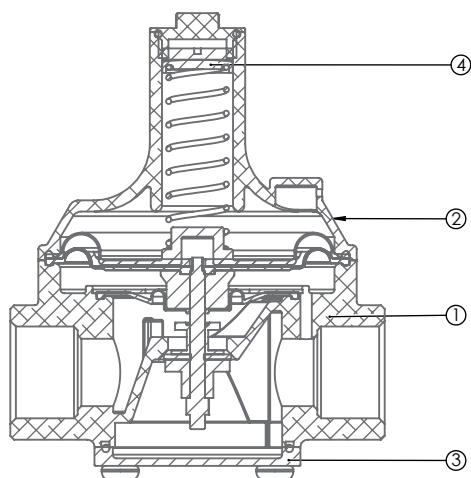


DIMENSION mm



MODEL	INLET CONNECTION	NOMINAL DIAMETER (DN)	A	B	C	D	WEIGHT (gr)
ERG-M 1015	1/2"	15	124.9	95.6	85	100	472
ERG-M 1020	3/4"	20	124.9	95.6	85	100	440

■ INTERNAL PARTS



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

■ PICTURES

