TECHNICAL SPECIFICATIONS and FEATURES

EGF series gas filter valves which can be used on gas lines to prevent particules, moved across the gas line in order to avoid clogging and damage for gas appliances. Customers can choose suitable valves by looking pressure drop diagrams and dimensions. EGF Series maximum working pressure is 4 bar.

EGF series gas filter valves are available with thread connections as well as ½" to 2" sizes. For non-corrosive gas usage all sealing equipment manufactured by using H-NBR compound. Other materials are suitable for non-corrosive gases.

Covers are made by die casting aluminum or zinc which can be choose by customers.

In our valve production facility all of performance tests are made by human independent automation tools to minimize error.

Approved from 2009/142 and 97/23 directives, and EN 126, EN 13611 and TS 10276 standards. Standart connection can be (BSPP / ISO 228-1)

Patented Design | **%100 Quality Control** | **Changeable Filter**

CE 2159 TSE-HYB TSE GUARANTEE CERTIFICATE

PERFORMANCE CHARACTERISTICS

Fluid Type: Non-Corrosive Gasses
Maximum Working Pressure: 4 Bar
Connection: ½", ¾", 1", 1 ¼", 1 ½" , 2" Thread
Ambient Temperature: -20 °C +60 °C
Way: 2/2

MATERIAL INFORMATION

Valve body and cover: Die cast aluminum or zinc.
Orings: H-NBR
Filter: Pore dimensions as a standard 50 micron. Synthetic compound
Other metal internal parts: Aluminum and brass

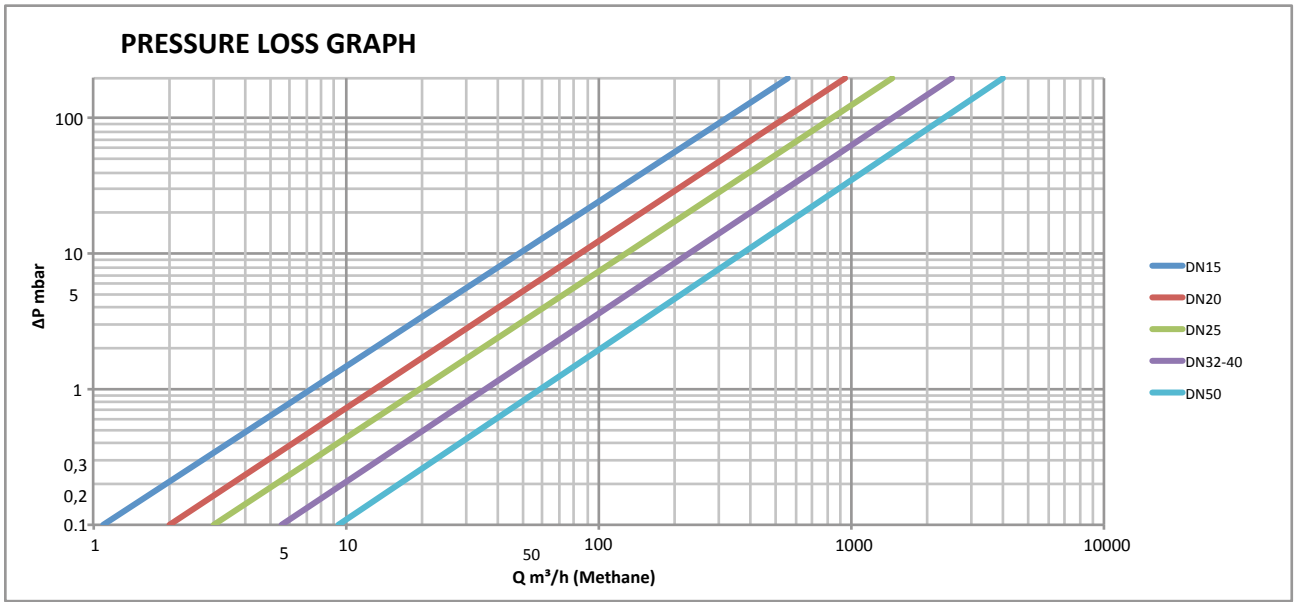
EGF

MODEL NAME	NOMINAL DIAMETER (DN)	CONNECTIONS	CONNECTION TYPE	MAX WORKING PRESSURE
EGF1015	15	1/2"	THREAD	4 bar
EGF1020	20	3/4"	THREAD	4 bar
EGF1025	25	1"	THREAD	4 bar
EGF1032	32	1 1/4"	THREAD	4 bar
EGF1040	40	1 1/2"	THREAD	4 bar
EGF1050	50	2"	THREAD	4 bar

OPTIONS

Pore dimensions of filter cartridge can be selectable 20 micron and above.
Filter material can be selectable, metal mesh or synthetic compound.
On request other connections are available NPT (ANSI 1.20.3 , R (BSPT / ISO 7-1), W (BSW / Whitworth), M (Metric)...
On request o-rings FPM (-10°C to 160°C)

DIAGRAMS



CONVERSION

According to technical calculations we shall suggest to avoid above 30 m/s gas velocity. You can choose the bigger valve nominal diameter in order to lower velocity. Please consider %10 tolerance.

To use our valves with another gases except methane, use the calculation below .

Q1=Q2xK
Q2 : Flow rate for methane
K : Flow conversation equal
Q1 : Flow rate for the gas you need

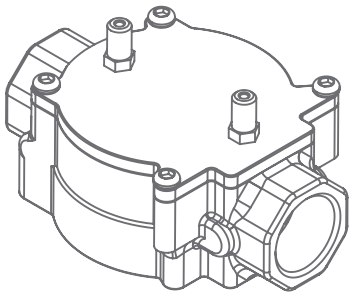
Fluid	K
Hydrogen	3,04
Town Gas	1,17
Carbon Monoxide	0,81
Nitrogen	0,80
Air	0,78
Oxygen	0,76
Lpg	0,63
Butane	0,56

Flow conversion equal

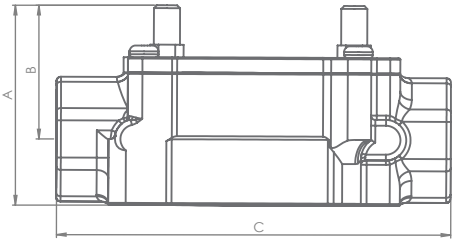
EGF

DIMENSIONS (mm)

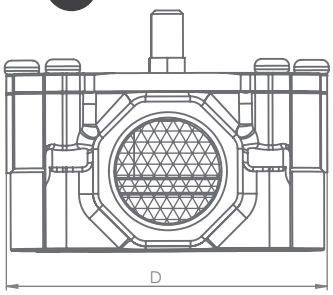
1



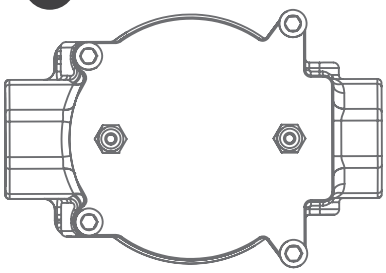
2



3

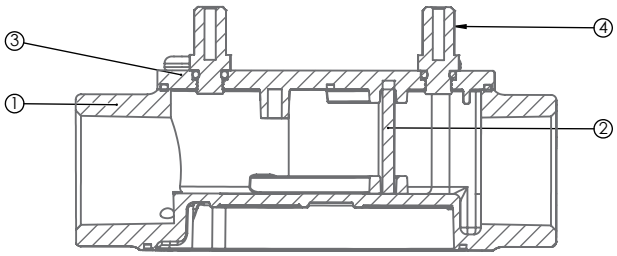


4



MODEL	INLET CONNECTION	NOMINAL DIAMETER (DN)	A	B	C	D	WEIGHT (gr)
EGF 1015	1/2	15	66	44	136	92	542
EGF 1020	3/4	20	66	44	136	92	540
EGF 1025	1	25	66	44	136	92	498

INTERNAL PARTS

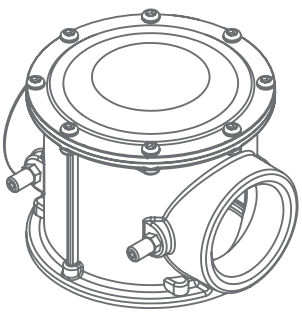


NO	MATERIAL NAME	QTY
1	BODY	1
2	UPPER COVER	1
3	BOTTOM COVER	1
4	TEST NİPEL	1

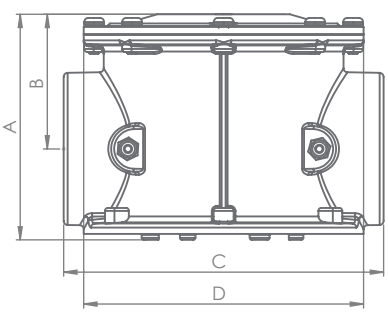
EGF

DIMENSIONS t

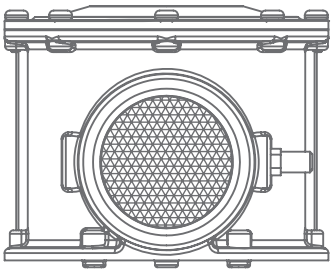
1



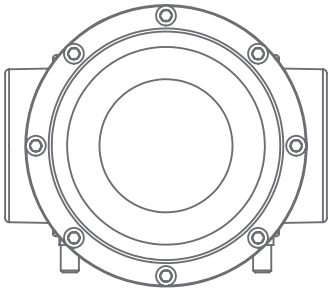
2



3

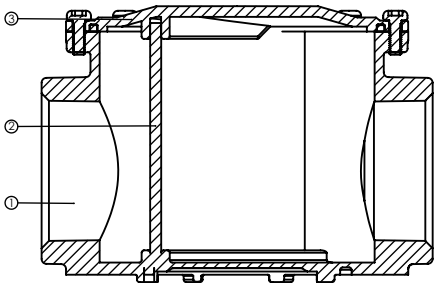


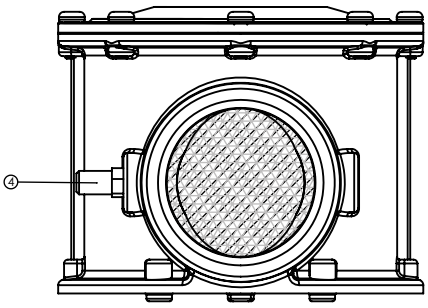
4



MODEL	INLET CONNECTION	NOMINAL DIAMETER (DN)	A	B	C	D	WEIGHT (kg)
EGF 1032	11/4"	32	90	44.5	160	140	1.100
EGF 1040	11/2"	40	90	44.5	160	140	1.036
EGF 1050	2"	50	113	67.5	160	140	1.202

INTERNAL PARTS





NO	MATERIAL NAME	QTY
1	BODY	1
2	UPPER COVER	1
3	BOTTOM COVER	1
4	TEST NİPEL	1

PICTURES

EGF