ESKA

Gas Technologies

EGF & EGF-H Series

ESKA

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Why ESKA?

With a deep understanding of the need for manufacturers to be close to gas distribution companies understanding their requirements and providing tailored solutions, ESKA grew to become a leading manufacturer of gas stream equipment. We start every day with a belief that change is constant, and the flexibility to follow that change and provide up to date solutions is crucial in the energy sector.

We manufacture gas stream equipment that are designed based on the needs of our partners. We strive to help gas distribution companies provide safe energy to their clients and to assist our partners with flexible business models that promote mutual growth.

Our commitment is to continually improve our products, ensuring the highest standards of safety and quality at an affordable cost, protecting end users while supporting our partners' success.

60 Years Know-how

Global Reach in 65 Countries

Localized Support

Application Area

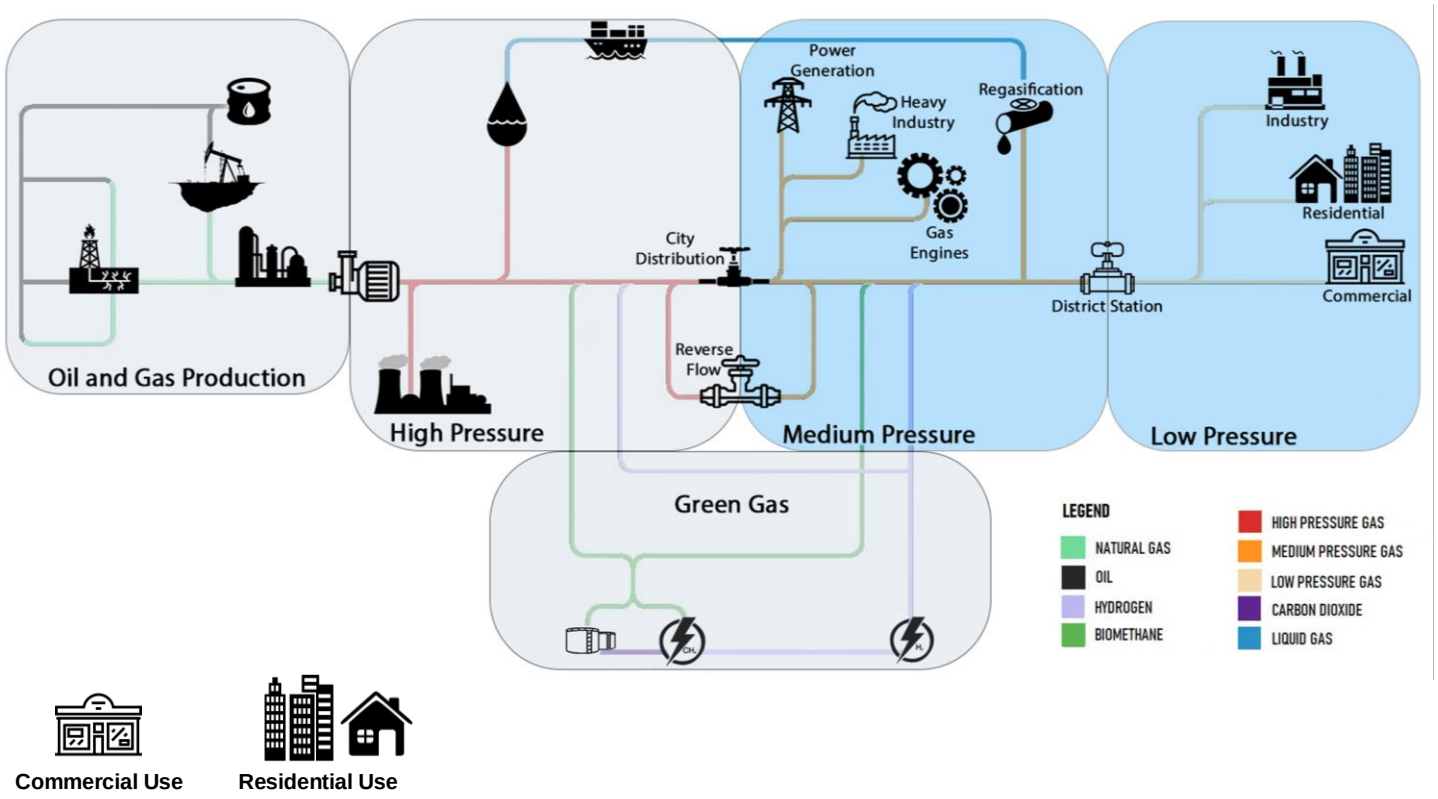


Figure 1: Gas Distribution Map

Introduction and Features

EGF-H model gas filters are the elements that seperates the dust particles carried by the gas or very small particles spread within the gas (for example: dust and rust), holds these and protects the burner, gas counter and adjustment devices which may possibly be damaged. Dust, woodchips, smut and other physical substances and dirt in the gas are held by the fiber. When the dust tank capacity is exceeded or a very high pressure difference effected, the filter loses its filter protection function. The filters are resistant against the mechanical and thermal stress that occur under operational conditions.The device must be kept away from rain and water as much as possible

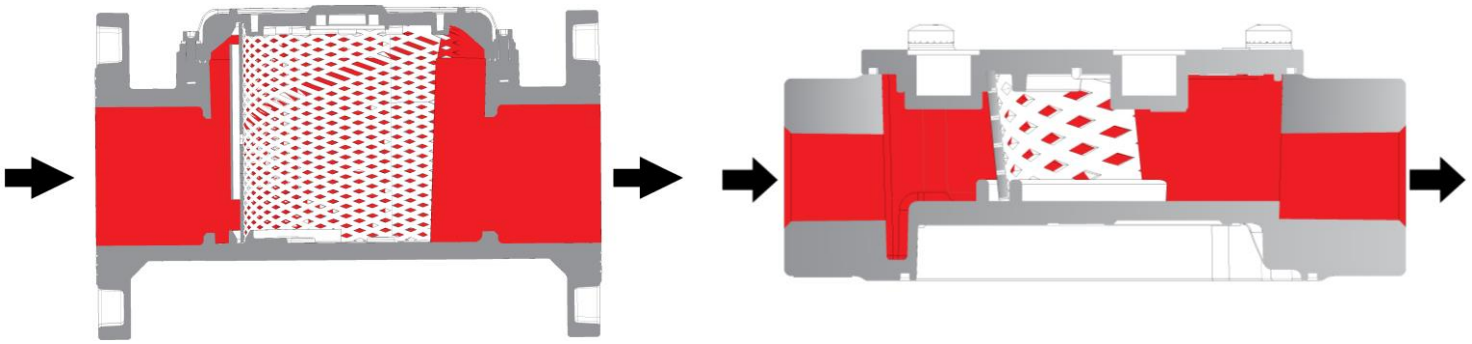


Figure 2: ERG SE Pressure Regulation

Figure 3: EGF-H

Figure 4: EGF

Characteristics

Table 1: EGF Series characteristics

Feature	Values			
Design Pressure	EGF= PS0,5 - PS0,6 – PS1 – PS2 EGF-H= PS2 – PS4 – PS5 – PS6 PS10 (for DN15, DN20, DN25 connection)			
Filter pore size	≤ 50 µm (Material and filter degree can be adjusted modularly)			
	Standard Version		LT Version[2]	
Ambient temperature	-10°C to 60°C	-20°C to 60°C	-30°C to 60°C[1]	-40°C to 60°C[1]
Configuration	Inline			
Connections	Threaded[3] = (DN 15 to DN 50) [1] Flanged = DN 65 to DN 100			

[1] Different modular connection options include BSPP, BSPT and NPT.
[2] The stated value is the temperature at which the device's mechanical resistance and leakage are tested. Extra body parts may not be suitable for that version.
[3] Threaded connections as EN 10266-2, TS EN ISO 228-1, ASME B1.20.1 NPT Standards.

Materials and Approvals

Table 2: ERG S Series Materials and Approvals

Part	Material*	Standard
Body and Cover	Aluminium	EN 1706

*Above materials are listed for standard models. For other request please refer to our sales team or your local distributer.

The EGF Filter is meticulously designed in compliance with the European standard DIN 3386, guaranteeing exceptional performance and reliability. Furthermore, the EGF series is certified under the European Directive 2014/68/EU (PED), demonstrating its conformity to rigorous safety and pressure equipment standards.

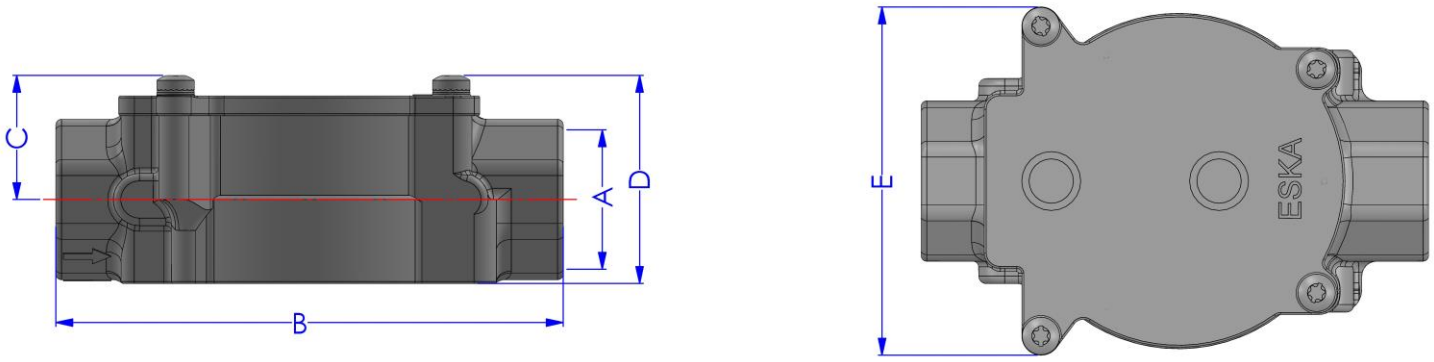
TS 10276

DIN 3386

PED

Technical Data

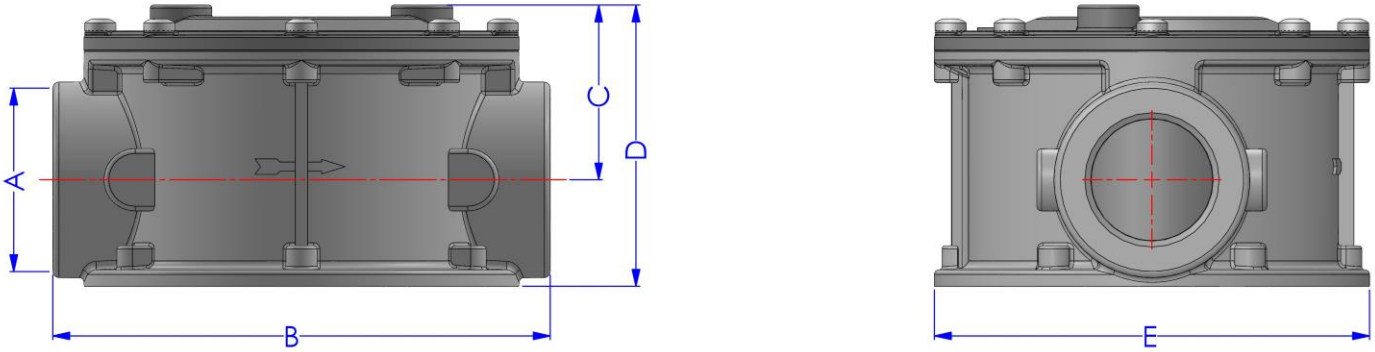
Figure 6: EGF Technical Dimensions (DN 15 – DN 25)



MODEL	A	B	C	D	E	F
EGF 1015	DN 15	136	33	56	93	AA43
EGF 1020	DN 20	136	33	56	93	AA43
EGF 1025	DN 25	136	33	56	93	AA43
* The unit of the above values is mm						

Table 3: EGF Series Dimension Table (DN 15 – DN 25)

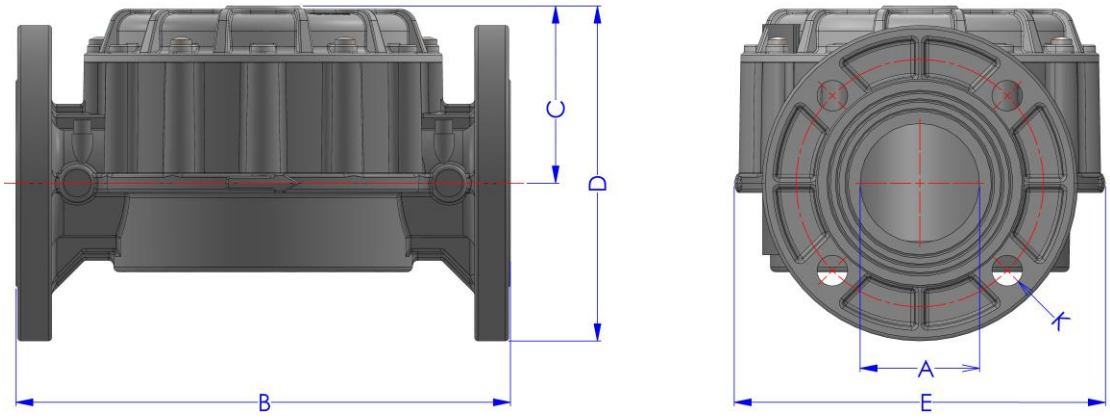
Figure 7: EGF & EGF-H Technical Dimensions (DN 32 – DN 50)



MODEL	A	B	C	D	E
EGF 1032	DN 32	160	56	91	140
EGF 1040	DN 40	160	56	91	140
EGF 1050	DN 50	162	71	114	140
* The unit of the above values is mm					

Table 4: EGF Series Dimension Table (DN 32 – DN 50)

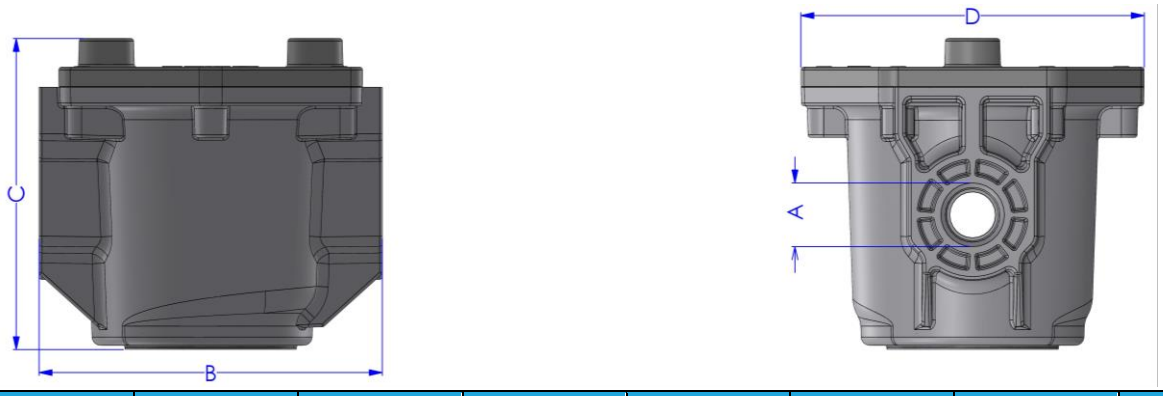
Figure 8: EGF & EGF-H Technical Dimensions (DN 65 – DN 100)



MODEL	DN	A	B	C	D	E	K	Number of Holes
EGF 1065	65	70	290	105	197	220	145	4
EGF 1080	80	DN 80	310	105	204	220	160	8
EGF 1100	100	DN 100	350	105	209	254	162	8
* The unit of the above values is mm								

Table 5: EGF Series Dimension Table (DN 65 – DN 100) AYIR

Figure 8: EGF-H Technical Dimensions (DN 15 – DN 25)

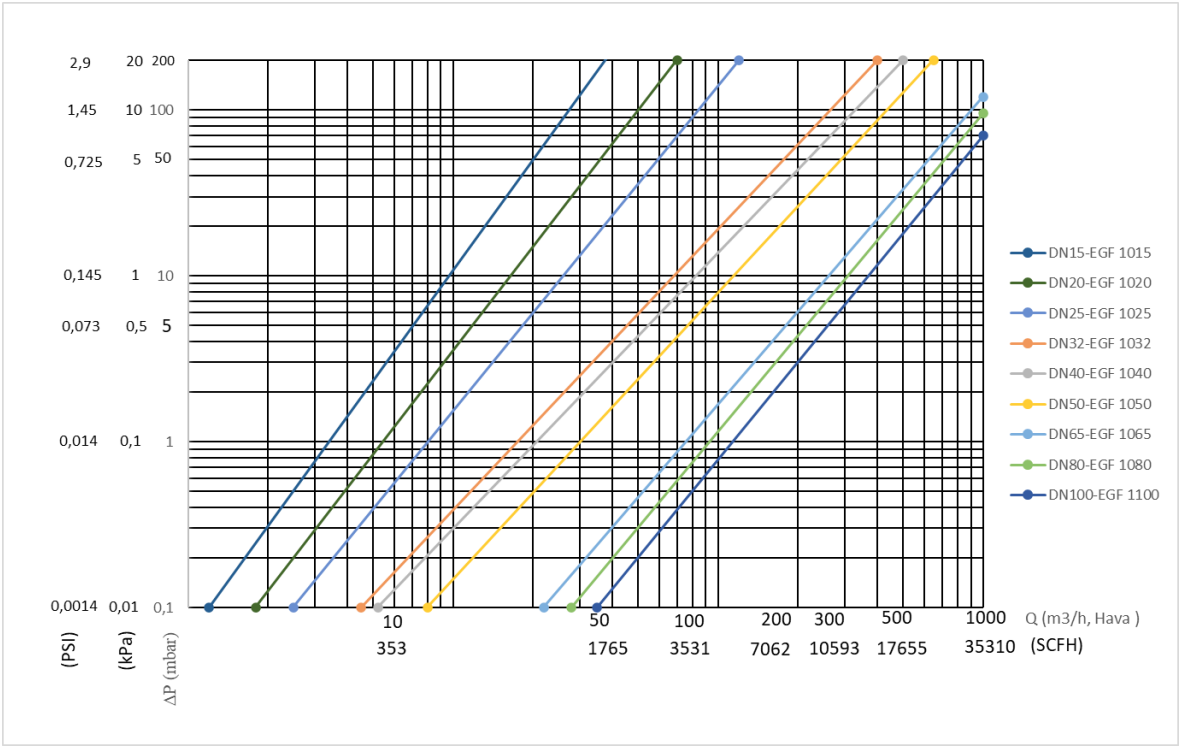


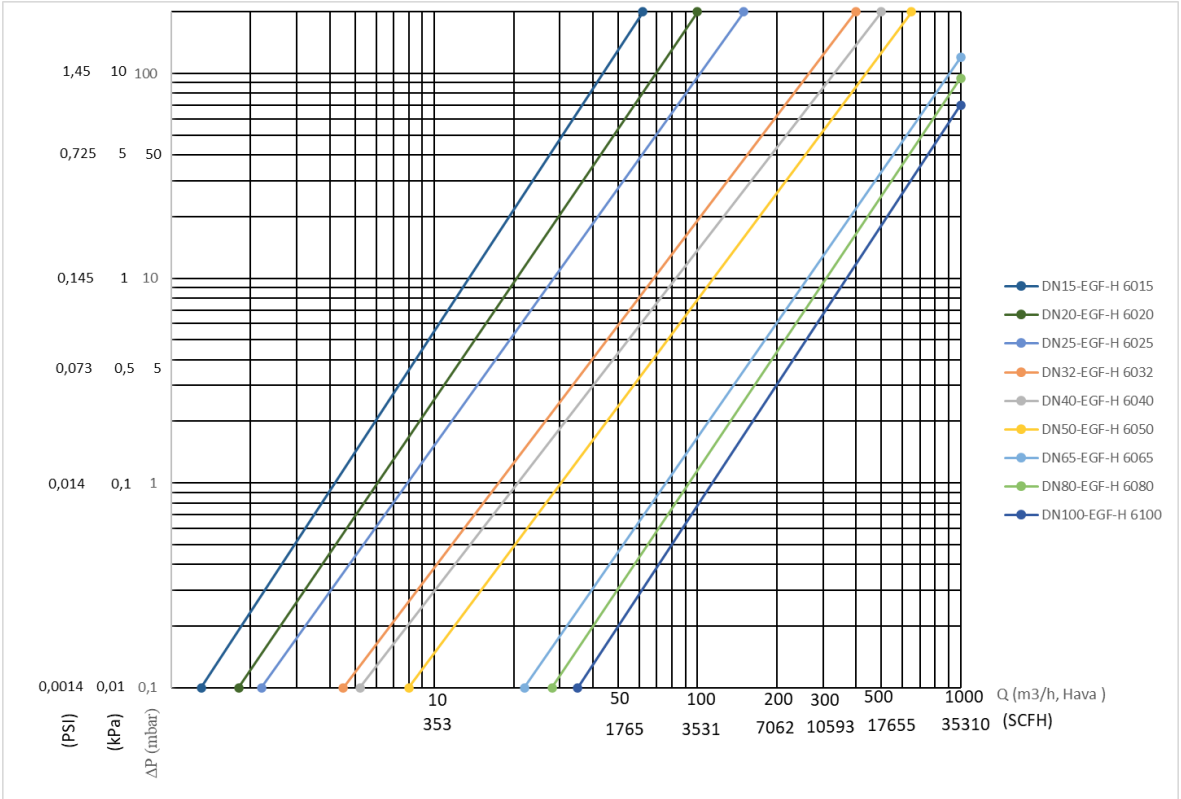
MODEL	A	B	C	D	E	K	Number of Holes
EGF-H 6015	DN 15	120	109	120	-	-	-
EGF-H 6020	DN 20	120	109	120	-	-	-
EGF-H 6025	DN 25	120	109	120	-	-	-
EGF-H 6032	DN 32	160	56	91	140	-	-
EGF-H 6040	DN 40	160	56	91	140	-	-
EGF-H 6050	DN 50	162	71	114	140	-	-
EGF-H 6065	DN 65	290	105	197	220	145	4
EGF-H 6080	DN 80	310	105	204	220	160	8
EGF-H 6100	DN 100	350	105	209	254	162	8
* The unit of the above values is mm							

Table 5: EGF-H Series Dimension Table (DN 15 – DN 100)

Capacity Table

Table 6: EGF & EGF-H Series Capacity Table





Packaging

Table 6: EGF Series Packing Information

Product	Unit Weight	Package Size (LxWxH cm)	Number of Boxed Products in 1 Package	Total Package Weight	Pallet Total Items	Pallet Total Weight
EGF DN (15-20-25)	Approximately 0,5 kg	50x50x29	50	25 kg	1000	Approximately 500 kg
EGF DN (32-40-50)	Approximately 1,10kg	50x50x29	20	22 kg	400	Approximately 440 kg
EGF DN (65-80)	Approximately 6 kg	32x30x23	1	6 kg	50	Approximately 300 kg
EGF DN 100	Approximately 11 kg	36x30x28	1	11 kg	50	Approximately 550 kg

ESKA

EGF Series
USER MANUAL

This manual is subject to change according to technical developments.

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