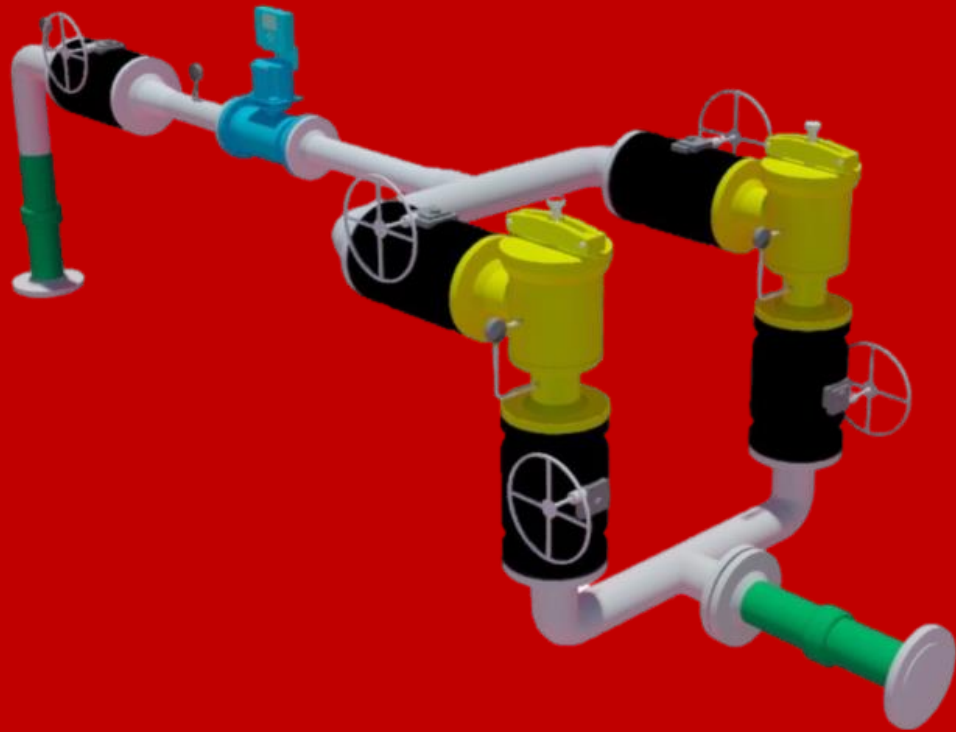


FUTURE ENERGY FILTER



WEBSITE: WWW.FUTUREGAS.COM.EG

PHONE No.: +20 2 2741 1780

FAX No.: +20 2 2742 5620

LOCATION: NEW FUSTAT CITY, OLD TOWN,
CAIRO, EGYPT



INTRODUCTION

IN GAS PRESSURE REDUCTION AND METERING PLANTS, IT IS ESSENTIAL TO PROTECT PRESSURE REGULATORS, VALVES, METERS, AND ALL OTHER COMPONENTS FROM IMPURITIES IN THE GAS. OUR FILTERS ARE SPECIFICALLY DESIGNED TO TARGET THESE UNWANTED IMPURITIES. THEY COME IN VARIOUS TYPES AND SIZES TO MEET ALL YOUR NEEDS AND ARE BUILT TO BE STURDY, EASY TO INSTALL, AND SIMPLE TO MAINTAIN.

APPLICATION

THE DESIGN INCORPORATES A FILTERING ELEMENT CAPABLE OF REMOVING SOLID PARTICLES DOWN TO 5 μm . THIS FILTRATION SYSTEM EFFECTIVELY ELIMINATES GRIT, DIRT, AND PIPE SCALES FROM THE GAS STREAM, ENSURING THE NECESSARY PROTECTION FOR THE EFFICIENT OPERATION OF GAS PRESSURE REGULATORS, METERS, AND CONTROL VALVES.

CONSTRUCTION MATERIALS

PART	MATERIAL
BODY	ASTM SA106 GR.B
FLANGES	ASTM A105
CARTRIDGE	STAINLESS STEEL
'O' RING	NITRILE RUBBER

SERVICE CONDITIONS

APPLICATION FIELD	NATURAL GAS, NON-CORROSIVE GASES
WORKING PRESSURE	UP TO 19 BAR G
WORKING TEMPERATURE	-20°C TO +60°C
FLANGE CONNECTIONS	PN16, ANSI150
FILTERING EFFICIENCY	(5-50 μm)
MAXIMUM ELEMENT ΔP	1.25 BAR G

OPERATIONAL TEMPERATURE & PRESSURE

FLANGE	TEMPERATURE (°C)	PRESSURE (BAR G)
PN 16	+50	16.0
	+100	14.8
ANSI 150	+50	19.0
	+100	17.7

FLOW CALCULATIONS

$$A = \frac{Q}{P * V * 3600}$$

WHERE:

A= FILTERING AREA IN m^2

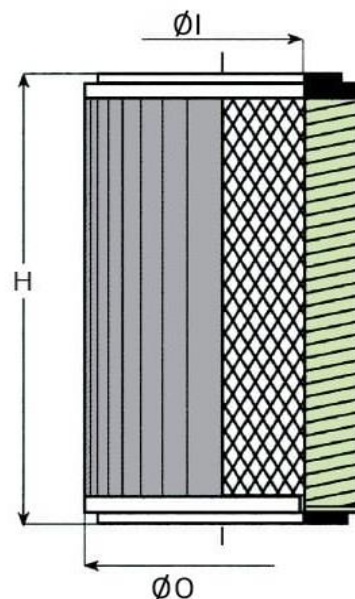
Q= FILTERING FLOW RATE Sm^3/hr

P= ABSOLUTE PRESSURE IN BAR

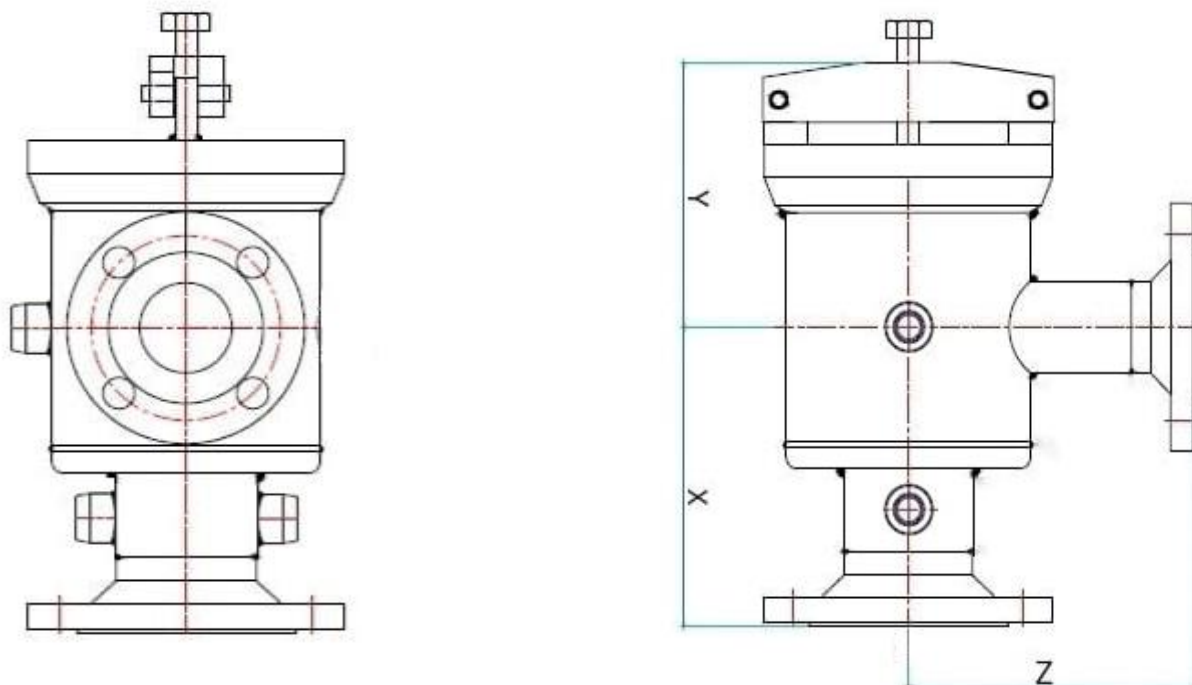
V= SPEED AT THE FILTER CARTRIDGE IN M/SEC (0.33 RECOMMENDED)

FILTERING CARTRIDGE DIMENSIONS

DIMENSION	H (MM)	ØO (MM)	ØI (MM)
DN25	120	70	50
DN50	120	70	50
DN80	150	100	70
DN100	180	125	100
DN150	280	200	150



DIMENSIONS



DN	INLET	25	50	80		100		150		
	OUTLET	25	50	50	80	80	100	80	100	150
X(MM)		150	150	200	200	250	250	350	350	350
Z(MM)		150	150	200	200	250	250	350	350	350
Y(MM)		190	190	200	200	250	250	270	270	270

ACCESSORIES

- DRAIN BALL VALVE
- CLOGGING INDICATOR WITH/WITHOUT REED SWITCH
- MANIFOLD FOR DIFFERENTIAL PRESSURE GAUGE DPG
- ISOLATION VALVES FOR CLOGGING INDICATOR
- PRESSURE GAUGE WITH A NEEDLE VALVE
- STAINLESS STEEL SENSING LINES

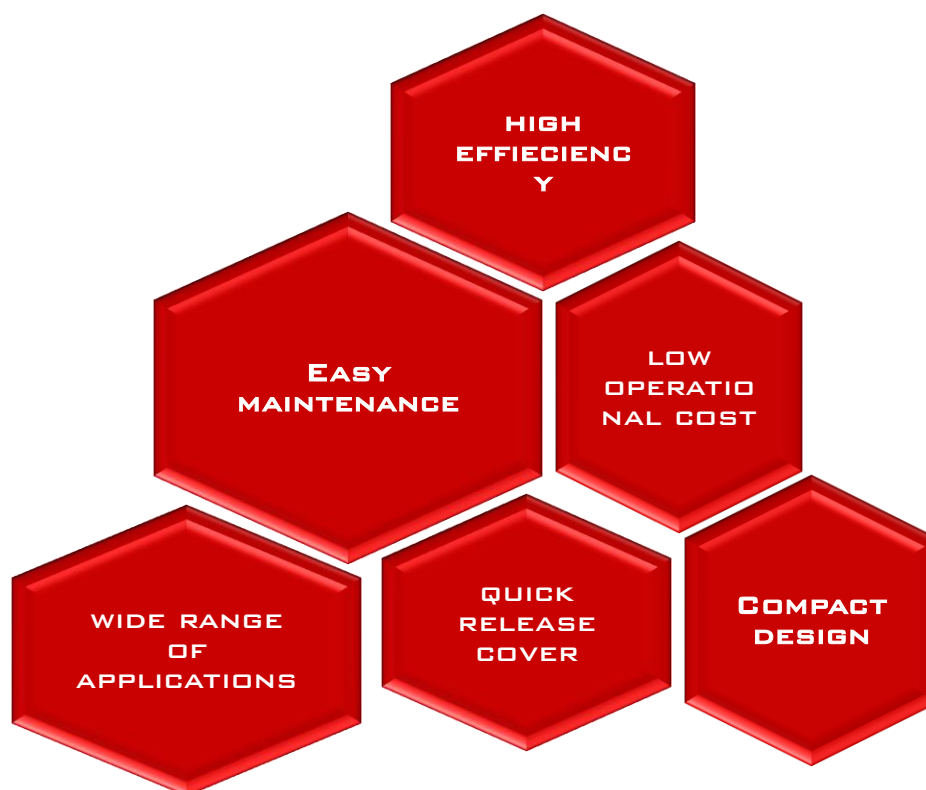


ORDERING DETAILS

FE 100 80 150 RL DV DPG 50

TYPE	INLET DIAMETER	OUTLET DIAMETER	FLANGE DESIGN	FLOW DIRECTION	DRAIN VALVE	ΔP INDICATOR	FILTER EFFICIENCY
FE	50	50	PN16	RIGHT TO LEFT (RL)	WITH (DV)	WITH INDICATOR (DPG)	5 μm
	80	80					
	100	100	ANSI 150	LEFT TO RIGHT (LR)	WITHOUT (-)	WITHOUT INDICATOR (-)	50 μm
	150	150					

FE FILTERS ADVANTAGES



FOR FURTHER INFORMATION PLEASE
CONTACT WITH US

PHONE NO.: +

