

Filters for Filtration of Fuel, Gas or Combustion Air, When supplying to Gas Burning System or Gas Consuming Applications, Type FG

FEATURES

- For protection against blockage of devices connected downstream.
- Very high throughput & high purification efficiency
- Easy replacement of filter pads
- Minimal pressure drop across the filter
- Design in accordance with DIN 3386

TECHNICAL SPECIFICATIONS

- Body : Aluminium Silicon Alloy for Model FG 15- 150.
- Filter Element : Size 50 Micron, polypropylene fleece.
- Size : 15, 25 mm BSP/NPT (F) as per DIN 2999.
FG 40 to 150- Flanged construction as per ANSI B16.5 Cl.150 RF or DIN 2501- C, PN 16, inlet plug 1/ 8" NPT, outlet plug 1/ 8" NPT, test points on cover.
- Fluids : Compatibility for gas in accordance with DIN DVGW Code of practice G260/ 1 can be used on air, Natural Gas, LPG, Bio-gas.
- Operating Pressure : 4 to 6 bar up to size 150 mm.
- Operating Temperature: (-) 5° C to (+) 80° C.
- Ambient Temperature : Maximum 80° C. Keep minimum distance of 20 mm from surrounding walls.

NOTE

- The installation can be carried out in to horizontal or vertical pipe line. Authorized person must make installation. Check everywhere with soap film for leakage.
- Give maximum pressure 1. 2 times of recommended maximum inlet pressure. Exceeding this pressure, may result in bursting of the device.
- Standard filter pads are available in multiple of 10 for sizes up to 50 mm and in multiple of 5 for sizes 65 mm and above. Use only genuine filter pads supplied by AVCON.

SPECIFICATION TABLE

BSP SCREWED DIMENSIONS

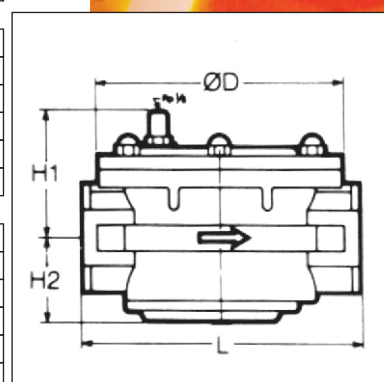
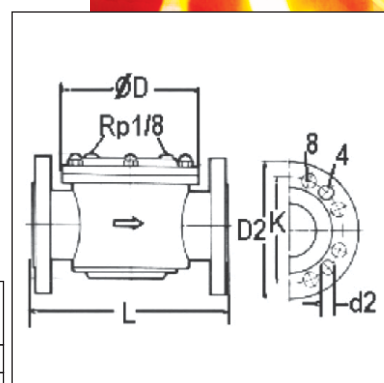
Model	Size	End Connections	Dimensions				Flange		Drilling		Approx Weight Kgs.
			L	D	H1	H2	D2	K	D2	No. of Holes	
FG 15	15	Rp1/2	92	88	70	33	-	-	-	-	0.4
FG 20	20	Rp3/4	92	88	70	33	-	-	-	-	0.4
FG 25	25	Rp1	135	134	73	44	-	-	-	-	0.8

ANSI TYPE FLANGE DIMENSIONS

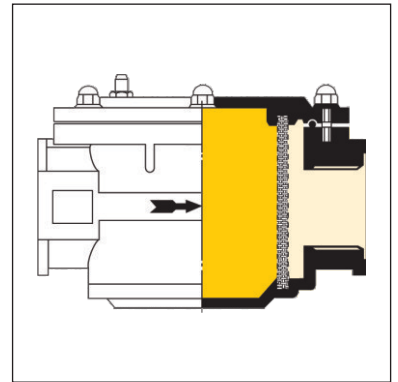
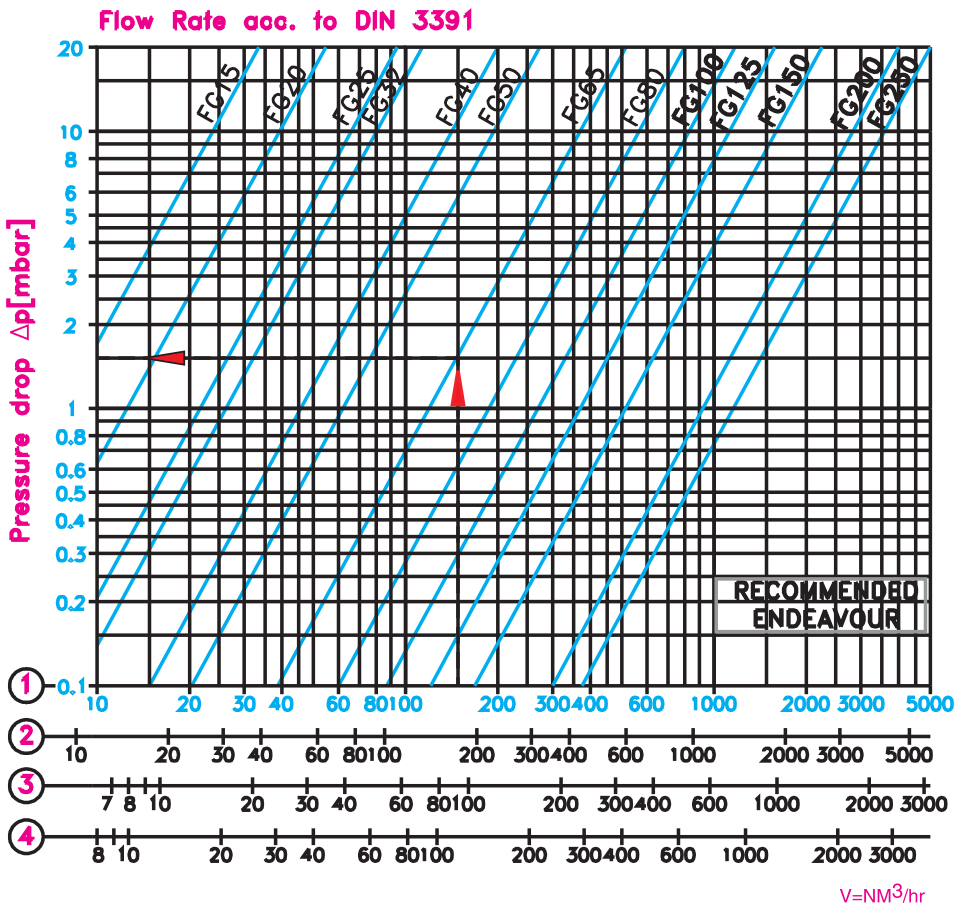
FG 40A	40	40	208	182	75	63	127	98	16	4	4.0
FG 50A	50	50	250	182	75	63	152	121	19	4	4.2
FG 65A	65	65	250	182	98	96	178	140	19	4	5.2
FG 80A	80	80	330	262	118	88	191	152	19	4	8.0
FG 100A	100	100	350	262	125	120	229	191	19	8	9.3
FG 150A	150	150	470	355	175	170	279	241	22	8	25.0

DIN TYPE FLANGE DIMENSIONS

FG 40F	40	40	208	182	75	63	150	110	18	4	4.0
FG 50F	50	50	250	182	75	63	165	125	18	4	4.2
FG 65F	65	65	250	182	98	96	185	145	18	4	5.5
FG 80F	80	80	330	262	118	88	200	160	18	8	9.6
FG 100F	100	100	350	262	125	120	220	180	18	8	11.5
FG 150F	150	150	470	355	175	170	285	240	23	8	25.0



VOLUMETRIC FLOW DIAGRAM



SPECIFIC GRAVITY :

- ① Natural Gas = 0.62
- ② Town Gas = 0.45
- ③ LP Gas = 1.56
- ④ Air = 1.00

Attention :

When reading the diagram, operating cubic meters must be applied. The pressure loss as read must be multiplied with the absolute pressure in bar (excess pressure + 1). This is to take the density fluctuations in to considerations.

THE PRESSURE DROP MUST NOT EXCEED 10 mbar.

Example :

Excess Gas Pressure : 4 bar, Operating Flow Rate 150 M³/hr of Natural Gas.
Filter chosen from the diagram : DN 65, the pressure drop read is 1.5 mbar.
REAL PRESSURE DROP : 5 X 1.5 mbar = 7.5 mbar The real pressure drop is less than 10 milibar, therefore, correct size filter has been chosen.

Note:

Technical specifications and dimensions are subject to change without prior notice. Dimensions in the table are approximate subject to final confirmation by AVCON.

WESTERN		
Mumbai Plot No. 65, Road No. 13, MIDC Marol, Andheri (East), Mumbai - 400 093 Tel.No. : 022-6915 6100 / 83909 17431 E-mail : acplmumbai.sales@avconcontrols.com	Pune Plot No. T - 108, MIDC Bhosari, Pune - 411 026. Maharashtra (INDIA). Tel.No. : 020-2712 0776 / 2712 0540 E-mail : acplmumbai.sales@avconcontrols.com	Baroda 307, Mangaldeep Complex, Sampatnagar Colony, Productivity Road, Baroda - 390 005. Tel.No. : 022-6915 6100 / 83909 17431 E-mail : acplmumbai.sales@avconcontrols.com

SOUTHERN		
Chennai 249, First Floor, Tiny Sector Ambattur Industrial Estate, Chennai - 600 058 Tel.No. : 044-4807 4107 / 089393 12809 E-mail : acplmumbai.sales@avconcontrols.com	Hyderabad SSR ENCLAVE, Plot No. 81, Road No.4, Vasanth Nagar, Nizampet X Roads (Near JNTU College Metro Station.) Hyderabad - 500085. Tel.No. : 7995086416 E-mail : acplmumbai.sales@avconcontrols.com	Bangalore Tel.No. : 084312 56574 E-mail : acplmumbai.sales@avconcontrols.com

EASTERN	
Kolkata 720, 7th Floor, 33/1, N.S. Road, Marshall House, Kolkata-700 001. Tel.No. : 033-4068 1180 / 77109 00889 E-mail : acplmumbai.sales@avconcontrols.com	

NORTHERN	
New Delhi Unit No. 708, 7th Floor, 94 Meghdoot, Nehru Place, New Delhi - 110019 Tel.No. : 011-42639736 / 88282 69844 E-mail : acplmumbai.sales@avconcontrols.com	

avcon[®]

Manufactured by:

AVCON CONTROLS PVT. LTD.

Plot No. 65, Road No.13, MIDC Marol,
Andheri (East), Mumbai - 400 093 (INDIA).
Phone : +91-22-6915 6100.

E-mail : avcon@avconcontrols.com
acplmumbai.sales@avconcontrols.com
Website : www.avconcontrols.com