

AIR FILTER REGULATOR SF27 BROCHURE



Air Filter Regulator SF27

SF27 (G 1/4, G 3/8)

FEATURES

- Filter Model SF27 is designed as a high-performance product for use in corrosive atmospheres.
- Applications include marine environments, oil and gas production, chemicals and food processing, medical analysis etc.
- CE,EAC [CU TR10 (equivalent to GOST R&K)] approved.
- SIL 3 capable as per IEC 61508.
- All External parts are NACE MR 0175* approved.

(*National Association of Corrosion Engineers MR-0175 defines requirements for sulphide stress cracking resistant materials used in oilwells and corrosive environments).



PARAMETERS	SPECIFICATIONS
Fluid	Compressed Air
Pipe size	1/4", 3/8"
Pipe Thread (Supply/output connection)	NPT - Standard BSPT, BSP - Optional
Max. Inlet Pressure	30 bar (435 psi)
Max. Operating Temperature (Ambient)	80 C
Filter Element size	25 Micron - Std. (5,40 Micron - Optional)
Filter Element material	SS 316 - Std. Sintered Bronze - Optional
Material of Construction Body, Bowl Internal parts External parts	Stainless Steel as per AISI 316L SS 316L with NACE compliance (MR 0175) SS 316L/ SS 304 SS 316L with NACE compliance (MR 0175)
Elastomers	Low Temp. Nitrile (LNBR) -60 C to +80 C EPDM -35 C to +120 C Fluorocarbon (Viton-FKM) -20 C to +180 C
Standard Nominal Flow Rate at 6 bar (87 psi) supply pressure and 1 bar (14.5 psi) pressure drop.	1/4" - 76 scfm (36 dm3/sec) 3/8" - 84 scfm (40 dm3/sec)
CV Value	1/4" - (1.44) 3/8" - (1.59)
Bowl Capacity	160 ml
Drain Weight	Manual - Std 1.5 Kgs.

+ Value indicated are with 40 micron elements with finer element these values will be lower.

SIZE	FLOW	ELEMENT	DRAIN	MODEL
1/4" NPT	36 dm3/sec. (76 scfm)	25 micron	Manual	SF27-204-M8SA-P
3/8" NPT	40 dm3/sec. (84 scfm)	25 micron	Manual	SF27-304-M8SA-P

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Option Selector

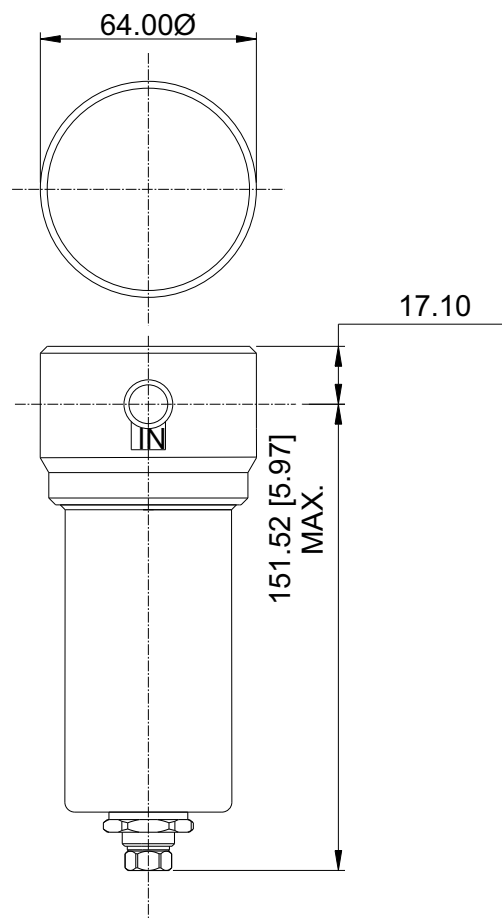
Sample Model Number → **S F 2 7 - 4 0 4 - M 5 S A - X X X - X X X**

Position → **0 1 2 3 - 4 5 6 - 7 8 9 10 - 11 12 13 - 14 15 16**

0	S = Shavo
1 Product	F = Filter
2 3 Series	27 = Midi SS 316L (MOC)
4 Port Size	2 = 1/4" 3 = 3/8"
5 6 Elastomers	04 = Low Temp. Nitrile elastomers [01] = EPDM ELASTOMERS [02] = VITON ELASTOMERS
7 Drain	M = Manual
8 Filter Element	1 = 05 M Porous Plastic 2 = 25 M Porous Plastic 3 = 40 M Porous Plastic 4 = 05 M Sintered Bronze 5 = 25 M Sintered Bronze 6 = 40 M Sintered Bronze 7 = 05 M SS 316 8 = 25 M SS 316 9 = 40 M SS 316
9 Bowl	S = STAINLESS STEEL
10 Port Thread	A = NPT B = BSPT G = BSP

11 12 13 Test / Approval

A	0	0	ATEX
A	0	1	UKEX
A	0	2	UKCA
A	0	3	ATEX, UKEX, EAC Ex, UKCA
A	0	4	ATEX, UKEX, EAC Ex
A	0	5	ATEX, UKEX, UKCA
A	0	6	ATEX, UKEX, EAC Ex
B	0	0	ATEX, CE
B	0	1	ATEX, CE, UKEX, EAC Ex, UKCA
B	0	2	ATEX, CE, UKEX, EAC Ex
B	0	3	ATEX, CE, UKEX, UKCA
B	0	4	ATEX, CE, UKCA, EAC Ex
B	0	5	ATEX, CE, EAC Ex
C	0	0	CE
C	0	1	CE, UKEX, EAC Ex, UKCA
C	0	2	CE, UKEX, EAC Ex
C	0	3	CE, UKEX, UKCA
C	0	4	CE, EAC Ex, UKCA
C	0	5	CE, EAC Ex



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D	0	0	ATEX, EAC
D	0	1	ATEX, EAC, UKEX, EAC Ex, UKCA
D	0	2	ATEX, EAC, UKEX, EAC Ex
D	0	3	ATEX, EAC, UKEX, UKCA
D	0	4	ATEX, EAC, EAC Ex, UKCA
E	0	0	EAC
E	0	1	EAC, UKEX, EAC Ex, UKCA
E	0	2	EAC, UKEX, EAC Ex
E	0	3	EAC, UKEX, UKCA
E	0	4	EAC, EAC Ex, UKCA
F	0	0	ATEX, SIL3
F	0	1	ATEX, SIL3, UKEX, EAC Ex, UKCA
F	0	2	ATEX, SIL3, UKEX, EAC Ex
F	0	3	ATEX, SIL3, UKEX, UKCA
F	0	4	ATEX, SIL3, EAC Ex, UKCA
F	0	5	ATEX, SIL3, EAC Ex
G	0	0	CE, EAC
G	0	1	CE, EAC, UKEX, EAC Ex, UKCA
G	0	2	CE, EAC, UKEX, EAC Ex
G	0	3	CE, EAC, UKEX, UKCA
G	0	4	CE, EAC, EAC Ex, UKCA
H	0	0	CE, SIL3
H	0	1	CE, SIL3, UKEX, EAC Ex, UKCA
H	0	2	CE, SIL3, UKEX, EAC Ex
H	0	3	CE, SIL3, UKEX, UKCA
H	0	4	CE, SIL3, EAC Ex, UKCA
H	0	5	CE, SIL3, EAC Ex
J	0	0	EAC, SIL3
J	0	1	EAC, SIL3, UKEX, EAC Ex, UKCA
J	0	2	EAC, SIL3, UKEX, EAC Ex
J	0	3	EAC, SIL3, UKEX, UKCA
J	0	4	EAC, SIL3, EAC Ex, UKCA
K	0	0	CE, EAC, SIL3
K	0	1	CE, EAC, SIL3, UKEX, EAC Ex, UKCA
K	0	2	CE, EAC, SIL3, UKEX, UKCA
K	0	3	CE, EAC, SIL3, UKEX, EAC Ex
K	0	4	CE, EAC, SIL3, EAC Ex, UKCA
L	0	0	ATEX, EAC, SIL3
L	0	1	ATEX, EAC, SIL3, UKEX, EAC Ex, UKCA
L	0	2	ATEX, EAC, SIL3, UKEX, EAC Ex
L	0	3	ATEX, EAC, SIL3, UKEX, UKCA
L	0	4	ATEX, EAC, SIL3, EAC Ex, UKCA
M	0	0	ATEX, CE, SIL3
M	0	1	ATEX, CE, SIL3, UKEX, EAC Ex, UKCA
M	0	2	ATEX, CE, SIL3, UKEX, EAC Ex
M	0	3	ATEX, CE, SIL3, UKEX, UKCA
M	0	4	ATEX, CE, SIL3, EAC Ex, UKCA
N	0	0	ATEX, CE, EAC
N	0	1	ATEX, CE, EAC, UKEX, EAC Ex, UKCA
N	0	2	ATEX, CE, EAC, UKEX, EAC Ex
N	0	3	ATEX, CE, EAC, UKEX, UKCA
N	0	4	ATEX, CE, EAC, EAC Ex, UKCA

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[O]	[0]	[0]	Other customer special requirement if Any
P	0	0	ATEX, CE, EAC, SIL3
P	0	1	ATEX, CE, EAC, SIL3, UKEX, EAC Ex, UKCA
P	0	2	ATEX, CE, EAC, SIL3, UKEX, EAC Ex
P	0	3	ATEX, CE, EAC, SIL3, UKEX, UKCA
P	0	4	ATEX, CE, EAC, SIL3, EAC Ex, UKCA
Q	0	0	ATEX, EAC Ex
R	0	0	EAC Ex
R	0	1	EAC Ex, UKEX, UKCA
R	0	2	EAC Ex, UKCA
S	0	0	SIL3
S	0	1	SIL3, UKEX, EAC Ex, UKCA
S	0	2	SIL3, UKEX, EAC Ex
S	0	3	SIL3, UKEX, UKCA
S	0	4	SIL3, EAC Ex, UKCA
V	0	0	ATEX, CE, SIL3, EAC Ex
V	0	1	ATEX, CE, SIL3, EAC Ex, UKEX, UKCA
V	0	2	ATEX, CE, SIL3, EAC Ex, UKEX
V	0	3	ATEX, CE, SIL3, EAC Ex, UKCA
X	X	X	STANDARD UNITS WITHOUT ANY CERTIFICATE / APPROVAL
Y	0	0	ATEX, SIL3, EACEx
y	0	1	ATEX, SIL3, EACEx, UKEX, UKCA
Y	0	2	ATEX, SIL3, EAC Ex, UKEX
Y	0	3	ATEX, SIL3, EACEx, UKCA
Z	0	1	CE, SIL3, EAC Ex, UKEX, UKCA
Z	0	2	CE, SIL3, EAC Ex, UKEX
Z	0	3	CE, SIL3, EAC Ex, UKCA

Compliance

X	X	X	Standard Unit Without any Compliance
A	0	1	RoHS 3 Compliance
A	0	2	REACH Compliance
A	0	3	Copper Free (Only Applicable Aluminium Version)
A	0	4	RoHS3, REACH Compliance
A	0	5	RoHS3, REACH, Copper Free (Only Applicable for Aluminium Version)
A	0	6	RoHS3, Copper Free (Only Applicable for Aluminium Version)
A	0	7	REACH, Copper Free (Only Applicable for Aluminium Version)

Note: Options shown in [] bracket are special, please consult Sales HQ / manufacturing.



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