

PRECISION FILTER / REGULATOR

SHAVO
FIRST NAME IN PNEUMATICS

11-4SN (G ¼, G ⅜, G ½)

FEATURES

- I Shavo's Filter / Regulator combination unit offers extremely precise control.
- I Unique valve design and large ratio of diaphragm to valve area affords highly sensitive performance.
- I Specially designed to meet instrumentation requirements.
- I Metal bowl on combination unit resists corrosive and chemical atmosphere.
- I Also available as Pressure Regulator only.



PARAMETERS	SPECIFICATIONS		
Pipe Threads	Rc 1/4, 3/8, 1/2	Taper (F) - Standard	
	BSP / NPT	- Optional	
Body Material	Al. Alloy die-cast		
Filter Element Size	5, 25, 40 micron.		
Filter Element Material	Plastic (Polypropylene)	- Standard	
	Sintered Bronze	- Optional	
Filter Bowl Material	Al. Alloy Metal - Standard		
Maximum Inlet Pressure	with Metal bowl - Manual drain	- 250 psig (17.5 bar)	
	with Metal bowl - Auto drain	- 150 psig (10.5 bar)	
Maximum Operating Temperature (ambient)	80° C		
Standard nominal flow rate at 10bar (150 psi). Inlet Pressure 6bar(87 psi) set press. and a drop of 1bar(14.5 psi) from set	55 scfm (26 dm ³ /sec) CV(1.04)		
Drain	Manual	-	Standard
Regulator Type	Relieving	-	Standard
	Non-Relieving	-	Optional
Pressure Adjustment	Hand wheel	-	Standard
Regulated secondary outlet pressure (spring range) and recommended Pressure gauge ranges available in kg/cm ²)		Spring Range psi (bar)	Gauge Range psi (bar)
	1	1-10 psi (0.07 to 0.70)	0-15 psi (0-1)
	2	3-30 psi (0.21 to 2.10)	0-30 psi (0-2.5)
	3	5-50 psi (0.35 to 3.50)	0-60 psi (0-4.0)
	4	7.5-75 psi (0.50 to 5.00)	0-100 psi (0-7.0)
	5	10-100 psi (0.70 to 7.00)	0-150 psi (0-10.0)
Gauge size	50mm (Dial size)		
Gauge Port size	Rc 1/4		
Gauge connection	Back		
Mounting Bracket	Optional		
Panel mounting	Possible	-	Optional

Pressure Gauge (scale) : Kg/cm² (PSI) - Standard (For Domestic Market)
Bar (PSI) - Standard (Export)

Note : Pressure gauge will not have CE, EAC, SIL3 approval.

Auto drain available with Nitrile elastomers only.

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Size	Flow (dm³/s)	Element (um)	Drain	Bowl	Operation	Model
1/4" BSPT	55 scfm (26 dm³/s)	5	Manual	Metal	10-100	11-4SN-200M-M1KA-EN

Option Selector

Sample Model Number → **1 1 - 4 S N - 2 0 0 M - M 2 K A - E N - X - X X X - X X X**

Position → **1 2 - 3 4 5 - 6 7 8 9 - 10 11 12 13 - 14 15 - 16 - 17 18 19 - 20 21 22**

1 2 3 4 5 Instrument Filter / Regulator with S.S. Trim.

6 Pipe Size
 2 = 1/4"
 3 = 3/8"
 4 = 1/2"

7 8 Options

	Relieving				Non Relieving			
	Standard		Panel Mounting Type		Standard		Panel Mounting Type	
	Knob	Slotted Screw	Knob	Slotted Screw	Knob	Slotted Type	Knob	Slotted Screw
No Gauge	00	50	20	70	10	60	30	80
With MS Gauge	01	51	21	71	11	61	31	81
With SS Gauge	02	52	22	72	12	62	32	82

(Pressure gauges without any certification)

9 Bowl
 M = Metallic (70cc)
 T = Transparent P.C. (125cc)
 L = Long Metallic (125 cc)

10 Drain
 M = Manual Drain
 A = Auto Drain (Available with Nitrile elastomer only)

11 Filter Element

Plastic Element	Sint. Bronze	Stainless Steel
1 = 5 Micron	6 = 5 Micron	5 = 5 Micron
2 = 25 Micron	7 = 25 Micron	9 = 25 micron
3 = 40 Micron	8 = 40 Micron	

12 Secondary Pressure Range
 [O] = 0.14-2.0 psi (0.01-0.14 bar)
 A = 1-10 psi (0.07 - 0.7 bar)
 C = 3-30 psi (0.21 - 2.1 bar)
 E = 5-50 psi (0.35 - 3.5 bar)
 F = 7.5-75 psi (0.50 - 5.0 bar)
 K = 10-100 psi (0.70 - 7.0 bar)

13 Port Thread

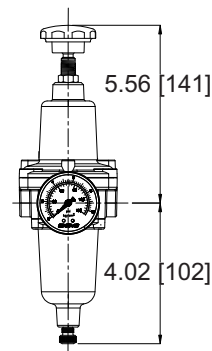
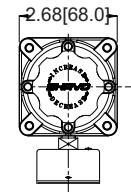
	Main Ports	Gauge Ports
A	NPT	BSPT
B	BSPT	BSPT
G	BSP	BSPT
N	NPT	NPT

14 Elastomer Material
 N = Nitrile
 [E] = EPDM
 [V] = Viton
 [L] = Low temperature Nitrile (LNBR)

15 Mounting

N = No Mounting Bracket	
B = Standard Mounting Bracket	
P = 2" Pipe Mounting Bracket	
S = Customer's spl. Mounting Bracket	

16 M.O.C.
 X = Std. unit
 A = Adj. screw, Lock nut & Valve seat in SS316



11-4SN

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17 18 19 Test / Approval

C	0	0	CE
C	0	1	UKCA
C	0	2	CE, UKCA
E	0	0	EAC
E	0	1	EAC, UKCA
S	0	0	SIL3
S	0	1	SIL3, UKCA
G	0	0	CE, EAC
G	0	1	CE, EAC, UKCA
H	0	0	CE, SIL3
H	0	1	CE, SIL3, UKCA
K	0	0	CE, EAC, SIL3
K	0	1	CE, EAC, SIL3, UKCA
X	X	X	Standard Units Without Any Certificatio / Approval
[O]	[0]	[0]	Other Customer Special Requirement if Any

20 21 22 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: Option shown in the [] bracket are special, Please contact Sales HQ/Manufacturing.