

AIR PRESSURE REGULATOR(FOR OXYGEN APPLICATIONS)

SHAVO

FIRST NAME IN PNEUMATICS

SR07 (G 1/8, G 1/4)

FEATURES

- I Shavo's Miniature Series Pressure Regulator Diaphragm operated.
- I Non-rising adjusting knob with "Snap-Action Lock" for locking positively the pressure setting.
- I Plastic bonnet threaded for panel mounting. Rust-free Zinc Pressure Die Cast Body. Powder-coated for longer life.
- I Applications include oxygen, medical air, compressed air, Nitrogen etc.



PARAMETERS	SPECIFICATIONS	
Pipe Threads	G 1/8, 1/4 Parallel (F)	- Standard
	BSPT. / NPT	- Optional
Type	Non-Relieving diaphragm	- Standard
Body Material	Zinc Alloy die-cast	
Adjustment	Non-rising plastic knob	
Maximum Inlet Pressure	300 psig (20 bar)	
Max. Operating Temp. (ambient)	80° C	
Regulated secondary outlet pressure (spring range) and recommended Pressure gauge ranges available in psi (bar)	Spring Range	Gauge Range
	1-10 psi (0.07 to 0.70 bar)	0-35 psi (0 to 2.5 bar)
	3-30 psi (0.21 to 2.10 bar)	0-35 psi (0 - 2.5 bar)
	5-50 psi (0.35 to 3.50 bar)	0-60 psi (0 to 4.0 bar)
	10-100 psi (0.70 to 7.0 bar)	0-150 psi (0 to 10.0 bar)
	15-150 psi (1.00 to 10.0 bar)	0-220 psi (0 to 16.0 bar)
Gauge size	40 mm (dial size)	
Gauge Port size	Rc 1/8 BSPT.	
Gauge connection	Back	
Standard Nominal Flow rate at 10 bar(150 PSI)	G 1/8	: 19 scfm (8.9 dm³/sec) CV(0.35)
Inlet pressure 6 bar(87 PSI) set pressure and a drop of 1 bar (14.5 PSI) from set	G 1/4	: 21 scfm (9.9 dm³/sec) CV(0.39)
Mounting Bracket	Optional	
Panel mounting	Available as Standard	

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

Bar (PSI) - Standard (Export)

* Technical know-how, design and drawings originally from C.A. Norgren Co. USA

SHAVO

Mumbai, India.

Email : shavo@shavoindia.com

2009

AIR PRESSURE REGULATOR - MINIATURE

SHAVO

FIRST NAME IN PNEUMATICS

SR07 (G 1/8, G 1/4)

Size	Flow	Range	Operation	Model
G 1/8	19 scfm (8.9 dm³/sec)	10 - 100 psi	Relieving	SR07-121-RNKC
G 1/4	21 scfm (9.9 dm³/sec)	10 - 100 psi	Relieving	SR07-221-RNKC

Option Selector

Sample Model Number →

S R O 7 - 2 2 1 - R G K B - X - X X X - X X X

Position →

0 1 2 3 - 4 5 6 - 7 8 9 10 - 11 - 12 13 14 - 15 16 17

0

S = Shavo

1 Unit

R = Regulator

2 3 Series

07 = Miniature Series

4 Pipe Size

1 = 1/8"
2 = 1/4"

5 6 Options

	Elastomer Material			
	Nitrile	EPDM	Viton	Low Temp. Nitrile
Acetal Resin	21	[22]	[23]	[24]
Brass	31	[32]	[33]	[34]

7 Diaphragm

R = Relieving
N = Non-Relieving

8 Gauge

G = With Gauge (without any certification)
N = Without Gauge

9 Secondary Pressure Rating

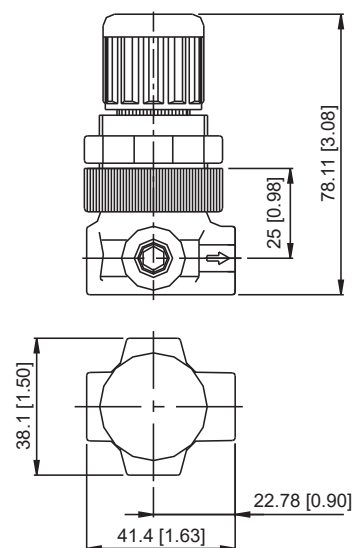
A = 1 - 10 psi (0.07 - 0.7 bar)
C = 3 - 30 psi (0.21 - 2.1 bar)
E = 5 - 50 psi (0.35 - 3.5 bar)
K = 10 - 100 psi (0.7 - 7.0 bar)
M = 15 - 150 psi (1.0 - 10.0 bar)

10 Threading

B = BSPT
A = NPT
C = BSP Parallel

11 Elastomers

X = Standard Unit with Nitrile Elastomer
[E] = EPDM
[V] = Fluorocarbon (Viton)
[L] = Low Temperature Nitrile Elastomer (LNBR)



AIR PRESSURE REGULATOR - MINIATURE

SHAVO
FIRST NAME IN PNEUMATICS

SR07 (G 1/8, G 1/4)

12 13 14 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

15 16 17 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.

* Technical know-how, design and drawings originally from C.A. Norgren Co. USA