

AIR PRESSURE REGULATOR

PR20 (G¹/₄, G³/₈, G¹/₂)

FEATURES

PNEUMSYS Series Intermediate range pressure regulators diaphragm operated, respond to flow demand and line pressure changes efficiently.

Positive valve sealing, large passages and operating to give free air flow.

Large size low torque knob to adjust pressure make it designers first choice



PARAMETERS	SPECIFICATIONS	
Pipe Threads	G 1/4, 3/8, 1/2 Parallel (F)	- Standard
	BSPT _r / NPT	- Optional
Type	Relieving diaphragm	- Standard
	Non-Relieving diaphragm	- Optional
Body Material	Al. Alloy die-cast	- Standard
Adjustment	Non-rising plastic knob	- Standard
	Metal "T" Handle / Hex head	- Optional
Maximum Inlet Pressure	300 psig (20 bar)	
Maximum Operating Temperature (ambient)	80° C	
Regulated secondary outlet pressure (spring range) and recommended pressure gauge ranges available in psig (bar)	Spring Range	Gauge Range
	6-60 psi (0.40 - 4.00 bar)	0-60 psi (0 - 4 bar)
	12-125 psi (0.87- 8.75 bar)	0-150 psi (0 -10 bar)
	15-150 psi (1.00 - 10.0 bar)	0-220 psi (0 -16 bar)
	3-30 psi (0.21 - 2.1 bar)	0-60 psi (0 - 4 bar)
	25-250 psi(1.70-17.5 bar)	0-300 psi (0 - 20 bar)
Gauge size	40 mm(dial size)	
Gauge port size	Rc 1/8 BSP Tr.	
Gauge connection	Back	
Standard Nominal Flow rate at 10 bar(150 PSI)	G 1/4 : 100 scfm (48 dm ³ /sec) CV(1.89)	
Inlet pressure 6 bar(87 PSI) set pressure	G 3/8 : 219 scfm (104 dm ³ /sec) CV(4.13)	
and a drop of 1 bar (14.5 PSI) from set	G 1/2 : 267 scfm (127 dm ³ /sec) CV(5.03)	
Mounting Bracket	Optional	
Panel Mounting	Standard - Available	

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

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PR20 (G^{1/4}, G^{3/8}, G^{1/2})

Size	Flow	Range (psi)	Operation	Model
G 1/4	100 scfm (48 dm ³ /sec)	12-125 psi	Relieving	SR20K-2G-RNMN
G 3/8	219 scfm (104 dm ³ /sec)	12-125 psi	Relieving	SR20K-3G-RNMN
G 1/2	267 scfm (127 dm ³ /sec)	12-125 psi	Relieving	SR20K-4G-RNMN

Option Selector

Sample Model Number → **P R 2 0 K - 2 G - R N M N**

Position → **0 1 2 3 4 - 5 6 - 7 8 9 10 11**

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P = Pneumsys

1 Product

R = Regulator

2 3 Series

20 = 3/8 Basic

4 Pipe Size

- K** = Knob Type (Nitrile Elastomers)
- [E]** = Knob Type (EPDM Elastomers)
- [V]** = Knob Type (Viton Elastomers)
- [Z]** = Knob Type (Low temperature Nitrile elastomers)
- [T]** = T Handle Type (Nitrile Elastomers)
- [F]** = T Handle Type (EPDM Elastomers)
- [W]** = T Handle Type (Viton Elastomers)
- [L]** = T Handle Type (Low temperature Nitrile elastomers)
- [H]** = Hex headed type (Low temperature Nitrile elastomers)
- [Q]** = Hex headed type (EPDM elastomers)
- [U]** = Hex headed type (Viton elastomers)
- [Y]** = Hex headed type (Nitrile elastomers)

5 Size

- 2** = 1/4"
- 3** = 3/8"
- 4** = 1/2"

6 Port Thread

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

7 Relief

- R** = Relieving
- N** = Non-Relieving

8 Gauge

- N** = No Pr. Gauge
- G** = With Gauge (without any certifications)

9 Sec. Pr. Range

- F** = 6 - 60 psi (0.4 - 4 bar)
- L** = 12 - 125 psi (0.87 - 8.75 bar)
- M** = 15 - 150 psi (1.0 - 10.0 bar)
- C** = 3 - 30 psi (0.21 - 2.1 bar)
- [S]** = 25-250 psi(1.70-17.5 bar) option available with hex headed screw only

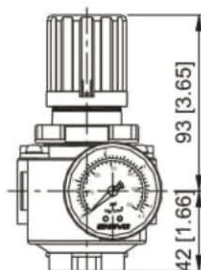
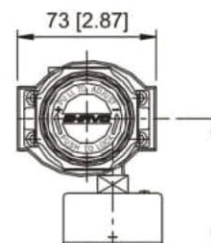
10 Mounting & Accessories

- N** = No Mounting Bracket
- B** = Wall Mounting Bracket Fitted
- [L]** = With 'L' Type Bracket



11 Test / Approval

- Blank** = Standard units
- C** = CE
- E** = EAC
- S** = SIL3
- G** = CE, EAC
- H** = CE, SIL3
- J** = EAC, SIL3
- K** = CE, EAC, SIL3
- O** = Other customer requirement, if any.



Note: Panel mounting nut is Std.on all SR20 units.
Option shown in [] bracket are special,
Please contact sales HQ / manufacturing.