

AIR PRESSURE REGULATOR - VAYU™ INTERMEDIATE

SHAVO

FIRST NAME IN PNEUMATICS

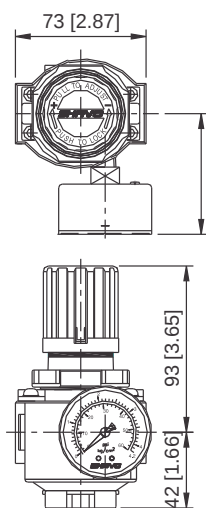
SR20 (G ¼, G ⅜, G ½)

FEATURES

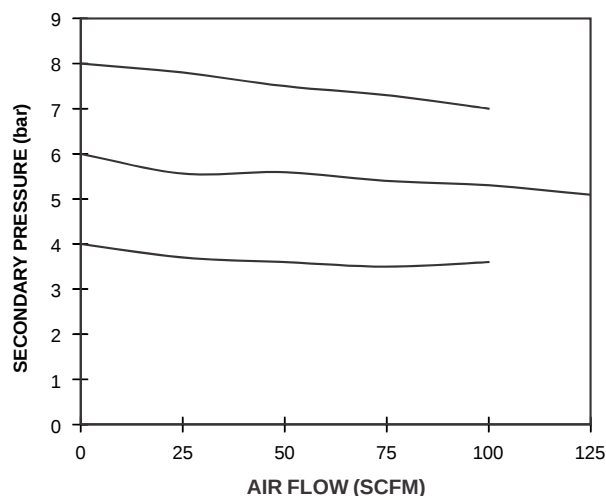
- I Shavo's Vayu™ Series Intermediate Range Pressure Regulators Diaphragm operated, respond to flow demand and line pressure changes efficiently.
- I Positive valve sealing, large passages & operating to give free air flow.
- I Large size low torque knob to adjust pressure make it designers' first choice



PARAMETERS	SPECIFICATIONS	
Pipe Threads	G 1/4, 3/8, 1/2 Parallel (F)	- Standard
	BSPT. / 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'	- Optional
Maximum Inlet Pressure	300 psig (21bar)	
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)
Gauge size	40 mm OD	
Gauge port size	Rc 1/8 BSP Tr.	
Gauge connection	Back	
Standard Nominal Flow rate (at 150 psi supply pressure and 14.5 psi pr drop in sec. pressure of 87 psi)	G 1/4 : 84 scfm (40 dm³/sec)	
	G 3/8 : 95 scfm (45 dm³/sec)	
	G 1/2 : 105 scfm (50 dm³/sec)	
Mounting Bracket	Optional	
Panel Mounting	Standard - Available	



FLOW CHARACTERISTICS OF SR20 - size 3/8"



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SR20 (G 1/4, G 3/8, G 1/2)

Size	Flow	Range (psi)	Operation	Model
G 1/4	84 scfm (40 dm³/sec)	12-125 psi	Relieving	SR20K-2G-RNMN
G 3/8	95 scfm (45 dm³/sec)	12-125 psi	Relieving	SR20K-3G-RNMN
G 1/2	105 scfm (50 dm³/sec)	12-125 psi	Relieving	SR20K-4G-RNMN

Option Selector

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

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

0	S = Shavo																		
1 Product	R = Regulator																		
2 3 Series	20 = "Vayu"-3/8" Basic																		
4 Pipe Size	K = Knob Type (Nitrile Elastomers) E = Knob Type (EPDM Elastomers) V = Knob Type (Viton Elastomers) T = T Handle Type (Nitrile Elastomers) F = T Handle Type (EPDM Elastomers) W = T Handle Type (Viton Elastomers)																		
5 Size	2 = 1/4" 3 = 3/8" 4 = 1/2"																		
6 Port Thread	<table><tr><td></td><td>Main Port</td><td>Gauge Port</td></tr><tr><td>A</td><td>NPT</td><td>BSPT</td></tr><tr><td>B</td><td>BSPT</td><td>BSPT</td></tr><tr><td>G</td><td>BSP</td><td>BSPT</td></tr><tr><td>N</td><td>NPT</td><td>NPT</td></tr><tr><td>J</td><td colspan="2">Japanese PT</td></tr></table>		Main Port	Gauge Port	A	NPT	BSPT	B	BSPT	BSPT	G	BSP	BSPT	N	NPT	NPT	J	Japanese PT	
	Main Port	Gauge Port																	
A	NPT	BSPT																	
B	BSPT	BSPT																	
G	BSP	BSPT																	
N	NPT	NPT																	
J	Japanese PT																		
7 Relief	R = Relieving N = Non-Relieving																		
8 Gauge	N = No Pr. Gauge G = With Pr. Gauge																		
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)																		
10 Mounting & Accessories	N = No Mounting Bracket B = Wall Mounting Bracket Fitted L = With 'L' Type Bracket																		

Note: Panel mounting nut is Std.
on all SR20 units.