

General Purpose Regulator & Port Sizes.

(Approximate size relationship as shown)



R10M / R11M
Sentry Modular (air)
NPTF & BSPP Port Sizes:
1/8, 1/4
Tubing Sizes: 1/4, 3/8,
4mm, 6mm, 8mm, & 10mm



R13M / R14M
Sentry Modular (water)
NPTF & BSPP Port Sizes:
1/8, 1/4
Tubing Sizes: 1/4, 3/8,
4mm, 6mm, 8mm, & 10mm



R53MB / R54MB
Miniature Brass (water)
NPTF & BSPP Port Sizes:
1/8, 1/4



R55M / R56M
Miniature Aluminum (air)
NPTF & BSPP Port Sizes:
1/8, 1/4



RV56 Relief Valve
Miniature (air)
NPTF & BSPP Port Sizes:
1/8, 1/4



R56S Stainless
Steel Miniature (air)
NPTF & BSPP Port Sizes:
1/8, 1/4



R57M Precision
Miniature (air)
NPTF & BSPP Port Sizes:
1/8, 1/4



R67 High
Pressure (air)
NPTF & BSPP Port Sizes:
1/8, 1/4 and 3/8



R60 Modular (air)
NPTF & BSPP Port Sizes:
1/4, 3/8, and 1/2



R75 Metal Dome
Modular (air)
NPTF & BSPP Port Sizes:
1/4, 3/8, and 1/2



R350 Modular (air)
NPTF & BSPP Port Sizes:
1/4, 3/8 and 1/2



R100 Modular (air)
NPTF & BSPP Port Sizes:
1/4, 3/8, 1/2 and 3/4



R380 Modular (air)
NPTF & BSPP Port Sizes:
3/8, 1/2 and 3/4



R180M (air)
NPTF & BSPP Port Sizes:
3/4, and 1



R180 (air)
NPTF & BSPP Port Sizes:
1-1/4 and 1-1/2



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General Purpose Regulator & Port Sizes.

Boxes that are marked with yellow are available options for the product listed. Numbers and letters inside each yellow box reflects the proper suffix / prefix needed. See Master Pneumatic catalog for complete product breakdown chart.

PIPE SIZE CHART

PORT SIZE	TUBING						NPTF AND BSPP PIPE THREADS							
	1/4	3/8	4mm	6mm	8mm	10mm	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2
R13M / R14M	04	06	M4	M6	M8	M10	1	2						
R55M / R56M							1	2						
R53MB / R54MB							1	2						
R56S							1	2						
RV56							1	2						
R57M							1	2						
R67							1	2	3					
R60								2	3	4				
R75								2	3	4				
R350								2	3	4				
R100								2	3	4	6			
R380									3	4	6			
R180M											6	8		
R180													10	12

OPTIONS CHART

REGULATOR TYPE (prefix)	R10M / R11M		R13M / R14M		R55M / R56M		R53MB / R54MB		R56S	RV56	R57M	R67	R60	R75	R350	R100	R380	R180M	R180	
	Piston	R10M	R13M	R55M	R53MB															
Diaphragm	R11M	R14M	R56M	R54MB																
HEAD MATERIAL (prefix)																				
Acetal																				
Aluminum																				
Brass			B	B																
Stainless Steel								S												
Zinc																				
SPRING RANGE (suffix)																				
0-8 PSI	L8		L8																	
0-100 PSI	H0		H0																	
0-150 PSI																				
0-200 PSI																				
0-300 PSI																				
0-400 PSI																				
0-500 PSI																				
0-600 PSI																				
0-700 PSI																				
0-800 PSI																				
0-900 PSI																				
0-1000 PSI																				
0-1500 PSI																				
0-2000 PSI																				
0-3000 PSI																				
0-4000 PSI																				
0-5000 PSI																				
0-6000 PSI																				
0-7000 PSI																				
0-8000 PSI																				
0-9000 PSI																				
0-10000 PSI																				
RELIEVING (suffix)																				
Self Relieving																				
Non Relieving	A	A	A	A	A				A	A	A	A	A	A	A	A	A	A	A	
SEALS AND O-RINGS (suffix)																				
Nitrile																				
Viton	V					V			V		V	V								

FLOW RATE

PORT SIZE	Inlet PSIG, set pressure PSIG, 15 PSIG pressure drop flow of SCFM
R10M / R11M	Inlet 100 psig, set pressure 77 psig, at 15 psig drop flow 17 SCFM Diaphragm Inlet 100 psig, set pressure 76 psig, at 15 psig drop flow 14 SCFM
R13M / R14M	Inlet 100 psig, set pressure 80 psig, at 15 psig drop flow 2 Gal/m Diaphragm Inlet 100 psig, set pressure 80 psig, at 15 psig drop flow 1.5 Gal/m
R55M / R56M	Inlet 100 psig, set pressure 78 psig, at 15 psig drop flow 18 SCFM Diaphragm Inlet 100 psig, set pressure 77 psig, at 15 psig drop flow 12 SCFM
R53MB / R54MB	Inlet 100 psig, set pressure 80 psig, at 15 psig drop flow 2 Gal/m Diaphragm Inlet 100 psig, set pressure 80 psig, at 15 psig drop flow 1.5 Gal/m
R56S	Inlet 100 psig, set pressure 78 psig, at 15 psig drop flow 12 SCFM
R57M	Inlet 91 psig, set pressure 36 psig, at 15 psig drop flow 4.1 SCFM
R67	3/8 Inlet 400 psig, set pressure 350 psig, at 15 psig drop flow 10 SCFM

FLOW RATE

PORT SIZE	Inlet PSIG, set pressure PSIG, 15 PSIG pressure drop flow of SCFM
R60	1/4 Inlet 100 psig, set pressure 78 psig, at 15 psig drop flow 68 SCFM 3/8 Inlet 100 psig, set pressure 78 psig, at 15 psig drop flow 88 SCFM 1/2 Inlet 100 psig, set pressure 78 psig, at 15 psig drop flow 100 SCFM
R75	1/4 Inlet 100 psig, set pressure 78 psig, at 15 psig drop flow 67 SCFM 3/8 Inlet 100 psig, set pressure 78 psig, at 15 psig drop flow 88 SCFM 1/2 Inlet 100 psig, set pressure 78 psig, at 15 psig drop flow 102 SCFM
R350	1/4 Inlet 91.3 psig, set pressure 72.5 psig, at 15 psig drop flow 70 SCFM 3/8 Inlet 91.3 psig, set pressure 72.5 psig, at 15 psig drop flow 88 SCFM 1/2 Inlet 91.3 psig, set pressure 72.5 psig, at 15 psig drop flow 107 SCFM
R100	1/4 Inlet 91 psig, set pressure 70 psig, at 15 psig drop flow 78 SCFM 3/8 Inlet 100 psig, set pressure 90 psig, at 15 psig drop flow 78 SCFM 1/2 Inlet 100 psig, set pressure 90 psig, at 15 psig drop flow 135 SCFM 3/4 Inlet 100 psig, set pressure 90 psig, at 15 psig drop flow 140 SCFM
R380	3/8 Inlet 100 psig, set pressure 90 psig, at 15 psig drop flow 130 SCFM 1/2 Inlet 100 psig, set pressure 90 psig, at 15 psig drop flow 160 SCFM 3/4 Inlet 100 psig, set pressure 90 psig, at 15 psig drop flow 162 SCFM
R180M	3/4 Inlet 91 psig, set pressure 75 psig, at 15 psig drop flow 440 SCFM 1 Inlet 91 psig, set pressure 75 psig, at 15 psig drop flow 500 SCFM
R180	1-1/4 Inlet 91 psig, set pressure 75 psig, at 15 psig drop flow 500 SCFM 1-1/2 Inlet 91 psig, set pressure 75 psig, at 15 psig drop flow 500 SCFM



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