

General Purpose Air Filter & Port Sizes.

(Approximate size relationship as shown)



FD60 Guardsman
NPTF & BSPP Port Sizes:
1/4, 3/8, & 1/2



BFD70 Guardsman II
NPTF & BSPP Port Sizes:
1/4, 3/8, & 1/2



FD100 Vanguard Modular
NPTF & BSPP Port Sizes:
1/4, 3/8, 1/2 & 3/4



FD10 Sentry Modular
NPTF & BSPP Port Sizes:
1/8, 1/4
Tubing Sizes: 1/4, 3/8,
4mm, 6mm, 8mm, & 10mm



FD50 Miniature
NPTF & BSPP Port Sizes:
1/8, 1/4



F5A350 Modular
NPTF & BSPP Port Sizes:
1/4, 3/8 & 1/2



FD380 Modular
NPTF & BSPP Port Sizes:
3/8, 1/2 & 3/4



FD100 High Flow
NPTF & BSPP Port Sizes:
3/4 & 1



BFD200 High Flow
NPTF & BSPP Port Sizes:
3/4, 1, 1-1/4 & 1-1/2



BF6A400 High Flow
NPTF & BSPP Port Sizes:
1-1/4, 1-1/2, & 2



MASTER PNEUMATIC

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General Purpose Air Filter & 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

	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	2	
FD10	04	06	M4	M6	M8	M10	1	2								
FD50							1	2								
FD60								2	3	4						
BFD70								2	3	4						
FD100								2	3	4	6X					
F5A350								2	3	4						
FD380									3	4	6					
FD100											6	8				
BFD200											6	8	10	12		
BF6A400													10	12	16	

		FD10	FD50	FD60	BFD70	FD100	F5A350	FD380	FD100	BFD200	BF6A400
BOWL (prefix)	Metal	B	B	B	B	B	B	B	B	B	B
	Plastic										
DRAIN (prefix)	Automatic	FD	FD	FD	FD	FD		FD	FD	FD	
	Float - brass stem (only with metal bowl option)				BF6A	BF6A	BF6A	BF6A	BF6A	BF6A	BF6A
	Float - plastic stem (Only with plastic bowl option)				F5A	F5A	F5A	F5A	F5A	F5A	F5A
	Manual	F	F	F	F	F	F	F	F	F	F
	No Drain	LDC	LDC			LDC		LDC	LDC	LDC	F7A
	Hydro-Jector (Float)					LDC		LDC	LDC	LDC	F7AE
ELEMENTS (suffix)	5-µm bronze	E5	E5	E5	E5	E5	E5	E5	E5		E5
	5-µm polyethylene										
	20-µm bronze	E4	E4	E4	E4	E4	E4	E4	E4		
	40-µm bronze	E3	E3	E3	E3	E3	E3	E3	E3		E3
BOWL LENGTH (prefix)	Standard										
	Extended				H						
DIFFERENTIAL PRESSURE GAUGE (prefix)											
	No gauge										
	Small gauge					S	S	S	S	S	
	Large gauge					L		L			L
	Reed switch (normally open)					E		E	E	E	E
						E2		E2	E2	E2	E2

	FLOW RATE		INLET OPERATING PSI
	PORT SIZE	(PSIG Inlet) SCFM @ 5 PSI	Range
FD10	1/4	(100 PSIG) 31 SCFM	15-150 PSIG
FD50	1/8	(100 PSIG) 11 SCFM	15-150 PSIG (plastic bowl)
	1/4	(100 PSIG) 22 SCFM	15-200 PSIG (metal bowl)
FD60	1/4	(100 PSIG) 46 SCFM	15-150 PSIG (plastic bowl)
	3/8	(100 PSIG) 65 SCFM	15-200 PSIG (metal bowl)
	1/2	(100 PSIG) 76 SCFM	
BFD70	1/4	(100 PSIG) 51 SCFM	15-200 PSIG (diff metal bowl)
	3/8	(100 PSIG) 70 SCFM	30-200 PSIG (float metal bowl)
	1/2	(100 PSIG) 76 SCFM	
FD100	1/4	(100 PSIG) 42 SCFM	15-150 PSIG (diff plastic bowl)
	3/8	(100 PSIG) 81 SCFM	15-200 PSIG (diff metal bowl)
	1/2	(100 PSIG) 132 SCFM	30-150 PSIG (float plastic bowl)
	3/4	(100 PSIG) 152 SCFM	30-200 PSIG (float metal bowl)
F5A350	1/4	(91 PSIG) 52 SCFM	40-125 PSIG (float plastic bowl)
	3/8	(91 PSIG) 65 SCFM	40-175 PSIG (float metal bowl)
	1/2	(91 PSIG) 72 SCFM	
FD380	3/8	(92 PSIG) 100 SCFM	15-150 PSIG (diff plastic bowl)
	1/2	(92 PSIG) 135 SCFM	15-200 PSIG (diff metal bowl)
	3/4	(92 PSIG) 160 SCFM	30-150 PSIG (float plastic bowl)
FD100	3/4	(100 PSIG) 250 SCFM	15-150 PSIG (diff plastic bowl)
	1	(100 PSIG) 275 SCFM	15-200 PSIG (diff metal bowl)
			30-150 PSIG (float plastic bowl)
BFD200	3/4	(100 PSIG) 345 SCFM	15-150 PSIG (diff plastic bowl)
	1	(100 PSIG) 450 SCFM	15-200 PSIG (diff metal bowl)
	1-1/4	(100 PSIG) 625 SCFM	30-200 PSIG (float metal bowl)
	1-1/2	(100 PSIG) 650 SCFM	
BF6A400	1-1/4	(92 PSIG) 700 SCFM	15-200 PSIG (diff metal bowl)
	1-1/2	(92 PSIG) 750 SCFM	30-200 PSIG (float metal bowl)
	2	(92 PSIG) 850 SCFM	



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Coalescing Filters & Port Sizes.

(Approximate size relationship as shown)



FCD10 Sentry Modular
NPTF & BSPP Port Sizes:
1/8, 1/4
Tubing Sizes: 1/4, 3/8,
4mm, 6mm, 8mm, & 10mm



FCD50 Miniature
NPTF & BSPP Port Sizes:
1/8, 1/4



FCD60 Guardsman
NPTF & BSPP Port Sizes:
1/4, 3/8, & 1/2



BFCD70 Guardsman II
NPTF & BSPP Port Sizes:
1/4, 3/8, & 1/2



FD101 Vanguard Modular
NPTF & BSPP Port Sizes:
1/4, 3/8, 1/2 & 3/4



FC5A350 Modular
NPTF & BSPP Port Sizes:
1/4, 3/8 & 1/2



FCD380 Modular
NPTF & BSPP Port Sizes:
3/8, 1/2 & 3/4



FCD101 High Flow
NPTF & BSPP Port Sizes:
3/4 & 1



BFCD201 High Flow
NPTF & BSPP Port Sizes:
3/4 & 1



BFC6A401 High Flow
NPTF & BSPP Port Sizes:
1-1/4 & 1-1/2



BFC6A401H High Flow
NPTF & BSPP Port Sizes:
2



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PIPE SIZE CHART

	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	2	
FCD10	04	06	M4	M6	M8	M10	1	2								
FCD50							1	2								
FCD60								2	3	4						
BFGD70								2	3	4						
FC101								2	3	4						
FC5A350								2	3	4						
FCD380									3	4	6					
FCD101										6	8					
BFGD201										6	8	10	12			
BFG6A401												10	12	16		

OPTIONS CHART

		FCD10	FCD50	FCD60	BFGD70	FC101	FC5A350	FCD380	FCD101	BFGD201	BFGA401
BOWL (prefix)	Metal	B	B	B	B	B		B	B	B	B
	Plastic										
DRAIN (prefix)	Automatic	FCD	FCD	FCD	FCD			FCD	FCD	FCD	
	Float - brass stem (only with metal bowl option)				BFGA	BFGA	BFGA	BFGA	BFGA	BFGA	BFGA
Float - plastic stem (Only with plastic bowl option)					FC5A	FC5A	FC5A	FC5A	FC5A	FC5A	FC5A
	Manual	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC
No Drain		LDC	LDC			LDC		LDC	LDC	LDC	F7A
	Hydro-Jector (Float)					LDC		LDC	LDC	LDC	F7AE
ELEMENTS (suffix)	0.01-µm	E8	E8	E8	E8	E8	E8	E8	E8	E8	E8
	0.3-µm										
BOWL LENGTH (prefix)	Standard										
	Extended				H	H	H	H		H	H 2" STD
DIFFERENTIAL PRESSURE GAUGE (prefix)	No gauge										
	Small gauge						S	S	S	S	S
Large gauge						L		L			L
	Reed switch (normally open)					E		E	E	E	E
Reed switch (normally closed)						E2		E2	E2	E2	E2

FLOW RATE & OPERATING RANGES

		FLOW RATE (0.01-µm ELEMENT)	FLOW RATE (0.3-µm ELEMENT)	INLET OPERATING PSI
	PORT SIZE	(PSIG Inlet) SCFM @ 5 PSI	(PSIG Inlet) SCFM @ 5 PSI	Range (bowl type)
FCD10	1/8 1/4	(91 PSIG) 6 SCFM (91 PSIG) 6.1 SCFM	(91 PSIG) 8 SCFM (91 PSIG) 9.5 SCFM	15-150 PSIG
FCD50	1/8 1/4	(91 PSIG) 5.6 SCFM (91 PSIG) 5.6 SCFM	(91 PSIG) 7 SCFM (91 PSIG) 8 SCFM	15-150 PSIG (plastic) 15-200 PSIG (metal)
FCD60	1/4 3/8 1/2	(100 PSIG) 20 SCFM (100 PSIG) 23 SCFM (100 PSIG) 23 SCFM	(100 PSIG) 27 SCFM (100 PSIG) 37 SCFM (100 PSIG) 42 SCFM	15-150 PSIG (plastic) 15-200 PSIG (metal)
BFGD70	1/4 3/8 1/2	(100 PSIG) 26 SCFM (100 PSIG) 35 SCFM (100 PSIG) 39 SCFM	(100 PSIG) 35 SCFM (100 PSIG) 54 SCFM (100 PSIG) 62 SCFM	15-200 PSIG (diff. metal) 30-200 PSIG (float metal)
BFGD70H	1/4 3/8 1/2	(100 PSIG) 38 SCFM (100 PSIG) 58 SCFM (100 PSIG) 70 SCFM	(100 PSIG) 40 SCFM (100 PSIG) 75 SCFM (100 PSIG) 85 SCFM	15-200 PSIG (diff. metal) 30-200 PSIG (float metal)
FC101	1/4 3/8 1/2		(92 PSIG) 48 SCFM (92 PSIG) 55 SCFM (92 PSIG) 62 SCFM	15-150 PSIG (diff. plastic) 15-200 PSIG (diff. metal) 30-150 PSIG (float plastic) 30-200 PSIG (float metal)
FC101H	1/4 3/8 1/2		(92 PSIG) 58 SCFM (92 PSIG) 40 SCFM (92 PSIG) 78 SCFM	15-150 PSIG (diff. plastic) 15-200 PSIG (diff. metal) 30-150 PSIG (float plastic) 30-200 PSIG (float metal)

FLOW RATE & OPERATING RANGES

		FLOW RATE (0.01-µm ELEMENT)	FLOW RATE (0.3-µm ELEMENT)	INLET OPERATING PSI
	PORT SIZE	(PSIG Inlet) SCFM @ 5 PSI	(PSIG Inlet) SCFM @ 5 PSI	Range (bowl type)
FC5A350	1/4 3/8 1/2	(91.3 PSIG) 23 SCFM (91.3 PSIG) 25 SCFM (91.3 PSIG) 25 SCFM	(91.3 PSIG) 37 SCFM (91.3 PSIG) 37 SCFM (91.3 PSIG) 38 SCFM	30-150 PSIG (float plastic) 30-200 PSIG (float metal)
FCD380	3/8 1/2 3/4		(92 PSIG) 60 SCFM (92 PSIG) 68 SCFM (92 PSIG) 72 SCFM	15-150 PSIG (diff. plastic) 15-200 PSIG (diff. metal) 30-150 PSIG (float plastic) 30-200 PSIG (float metal)
FCD380H	3/8 1/2 3/4		(92 PSIG) 78 SCFM (92 PSIG) 100 SCFM (92 PSIG) 118 SCFM	15-150 PSIG (diff. plastic) 15-200 PSIG (diff. metal) 30-150 PSIG (float plastic) 30-200 PSIG (float metal)
FC101	3/4 1	(92 PSIG) 100 SCFM (92 PSIG) 135 SCFM	(92 PSIG) 140 SCFM (92 PSIG) 160 SCFM	15-150 PSIG (diff. plastic) 15-200 PSIG (diff. metal) 30-150 PSIG (float plastic) 30-200 PSIG (float metal)
BFGA401	1-1/4 1-1/2 2	(91 PSIG) 240 SCFM (91 PSIG) 260 SCFM (92 PSIG) 580 SCFM	(91 PSIG) 315 SCFM (91 PSIG) 340 SCFM (92 PSIG) 600 SCFM	15-200 PSIG (diff. metal) 30-200 PSIG (float metal)
BFGD201	3/4 1 1-1/4 1-1/2	(100 PSIG) 150 SCFM (100 PSIG) 170 SCFM	(100 PSIG) 185 SCFM (100 PSIG) 220 SCFM (100 PSIG) 240 SCFM (100 PSIG) 270 SCFM	15-200 PSIG (diff. metal) 30-200 PSIG (float metal)
BFGD201H	3/4 1 1-1/4 1-1/2	(100 PSIG) 200 SCFM (100 PSIG) 250 SCFM (100 PSIG) 285 SCFM (100 PSIG) 360 SCFM	(100 PSIG) 240 SCFM (100 PSIG) 290 SCFM (100 PSIG) 340 SCFM (100 PSIG) 450 SCFM	15-200 PSIG (diff. metal) 30-200 PSIG (float metal)



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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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PIPE SIZE CHART

	TUBING						NPTF AND BSPP PIPE THREADS					
	1/4	3/8	1/2	3/4	1	1 1/4	1/8	1/4	3/8	1/2	3/4	1
R10M / R11M	04	06	M4	M6	M8	M10	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

	R10M / R11M	R13M / R14M	R55M / R56M	R53MB / R54MB	R56S	RV56	R57M	R67	R60	R75	R350	R100	R380	R180M	R180
REGULATOR TYPE (prefix)															
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												
0-10 PSI	H0		H0		H0	H0									
0-15 PSI															
0-20 PSI															
0-30 PSI															
0-40 PSI															
0-60 PSI															
0-100 PSI															
0-150 PSI															
0-200 PSI															
0-300 PSI															
0-400 PSI															
0-600 PSI															
0-1000 PSI															
0-1500 PSI															
0-2000 PSI															
0-3000 PSI															
0-4000 PSI															
0-6000 PSI															
0-10000 PSI															
RELIEVING (suffix)															
Self Relieving															
Non Relieving	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	Piston Diaphragm	Inlet 100 psig, set pressure 77 psig, at 15 psig drop flow 17 SCFM Inlet 100 psig, set pressure 76 psig, at 15 psig drop flow 14 SCFM
R13M / R14M	Piston Diaphragm	Inlet 100 psig, set pressure 80 psig, at 15 psig drop flow 2 Gal/m Inlet 100 psig, set pressure 80 psig, at 15 psig drop flow 1.5 Gal/m
R55M / R56M	Piston Diaphragm	Inlet 100 psig, set pressure 78 psig, at 15 psig drop flow 18 SCFM Inlet 100 psig, set pressure 77 psig, at 15 psig drop flow 12 SCFM
R53MB / R54MB	Piston Diaphragm	Inlet 100 psig, set pressure 80 psig, at 15 psig drop flow 2 Gal/m 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 3/8 1/2	Inlet 100 psig, set pressure 78 psig, at 15 psig drop flow 68 SCFM Inlet 100 psig, set pressure 78 psig, at 15 psig drop flow 88 SCFM Inlet 100 psig, set pressure 78 psig, at 15 psig drop flow 100 SCFM
R75	1/4 3/8 1/2	Inlet 100 psig, set pressure 78 psig, at 15 psig drop flow 67 SCFM Inlet 100 psig, set pressure 78 psig, at 15 psig drop flow 88 SCFM Inlet 100 psig, set pressure 78 psig, at 15 psig drop flow 102 SCFM
R350	1/4 3/8 1/2	Inlet 91.3 psig, set pressure 72.5 psig, at 15 psig drop flow 70 SCFM Inlet 91.3 psig, set pressure 72.5 psig, at 15 psig drop flow 88 SCFM Inlet 91.3 psig, set pressure 72.5 psig, at 15 psig drop flow 107 SCFM
R100	1/4 3/8 1/2 3/4	Inlet 91 psig, set pressure 70 psig, at 15 psig drop flow 78 SCFM Inlet 100 psig, set pressure 90 psig, at 15 psig drop flow 78 SCFM Inlet 100 psig, set pressure 90 psig, at 15 psig drop flow 135 SCFM Inlet 100 psig, set pressure 90 psig, at 15 psig drop flow 140 SCFM
R380	3/8 1/2 3/4	Inlet 100 psig, set pressure 90 psig, at 15 psig drop flow 130 SCFM Inlet 100 psig, set pressure 90 psig, at 15 psig drop flow 160 SCFM Inlet 100 psig, set pressure 90 psig, at 15 psig drop flow 162 SCFM
R180M	3/4 1	Inlet 91 psig, set pressure 75 psig, at 15 psig drop flow 440 SCFM Inlet 91 psig, set pressure 75 psig, at 15 psig drop flow 500 SCFM
R180	1-1/4 1-1/2	Inlet 91 psig, set pressure 75 psig, at 15 psig drop flow 500 SCFM Inlet 91 psig, set pressure 75 psig, at 15 psig drop flow 500 SCFM



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(Approximate size relationship as shown)



IR100
Vanguard Modular
NPTF & BSPP Port Sizes:
1/4, 3/8, 1/2 & 3/4



IR380
Modular
NPTF & BSPP Port Sizes:
3/8, 1/2 & 3/4



IR180M
Vanguard Modular
NPTF & BSPP Port Sizes:
3/4 & 1



IR180M
High Flow
NPTF & BSPP Port Sizes:
1 & 1-1/4

Internally Piloted



PR11M
Sentry Miniature
NPTF & BSPP Port Sizes:
1/8 & 1/4
Tube Sizes:
4mm, 6mm, 8mm & 10mm



PR55M / PR56M
Miniature
NPTF & BSPP Port Sizes:
1/8 & 1/4



PR100 / PRH100
Vanguard Modular
NPTF & BSPP Port Sizes:
1/4, 3/8, 1/2 & 3/4



PR380 / PRH380
Modular
NPTF & BSPP Port Sizes:
3/8, 1/2 & 3/4



HPR100
NPTF & BSPP Port Sizes:
1/4, 3/8 & 1/2



HPR180M
NPTF & BSPP Port Sizes:
3/4, 1 & 1-1/4

Externally Piloted



PR180M / PRH180
High Flow
NPTF & BSPP Port Sizes:
3/4 & 1



PR180M / PRH180
High Flow
NPTF & BSPP Port Sizes:
1 & 1-1/4



PR200
High Flow
NPTF & BSPP Port Sizes:
1-1/2 & 2



PR300
High Flow
NPTF & BSPP Port Sizes:
3



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PIPE SIZE CHART

	TUBING					NPT AND BSPP PIPE THREADS								
	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	3	1/8	1/4	3/8	1/2	3/4
PR55M / PR56M	04 06 M4 M6 M8 M10	1	2											
PR100				2	3	4	6							
PRH100				2	3	4	6							
HPR100				2	3	4	6							
IR100				2	3	4	6							
PR380					3	4	6							
PRH380					3	4	6							
IR380					3	4	6							
PR180M						6	8	10	12					
PRH180M						6	8	10	12					
HPR180M						6	8	10	12					
IR180M						6	8	10	12					
R200								12	16	24				
PR300														24

OPTIONS CHART

	PR11M	PR55M / PR56M	PR100	PRH100	HPR100	IR100	PR380	PRH380	IR380	PR180M	PRH180M	HPR180M	IR180M	R200	PR300
REGULATOR TYPE (prefix)															
Piston		PR55M													
Diaphragm		PR56M													
HEAD MATERIAL (prefix)															
Acetal															
Aluminum															
Brass		B													
Zinc															
SPRING RANGE (suffix)															
15-100 PSI						L			L				L		
0-125 PSI															
0-200 PSI															
15-200 PSI															
15-250 PSI						H			H				H		
RELIEVING (suffix)															
Self Relieving															
Non Relieving	A	A	A				A	A		A				A	A
SEALS AND O-RINGS (suffix)															
Nitrile															
Viton				V										V	V

FLOW RATE

PORT SIZE		Inlet PSIG, set pressure PSIG, 15 PSIG pressure drop flow of SCFM
PR55M / PR56M	1/8	Inlet 91 psig, Set pressure 72 psig, At 15 psig drop flow 24 SCFM
	1/4	
PR100	1/4	Inlet 100 psig, Set pressure 100 psig, At 15 psig drop flow 80 SCFM
	3/8	Inlet 100 psig, Set pressure 100 psig, At 15 psig drop flow 90 SCFM
	1/2	Inlet 100 psig, Set pressure 100 psig, At 15 psig drop flow 135 SCFM
	3/4	
PRH100	1/4	Inlet 91 psig, Set pressure 72 psig, At 15 psig drop flow 80 SCFM
	1/2	Inlet 91 psig, Set pressure 72 psig, At 15 psig drop flow 138 SCFM
	3/4	Inlet 91 psig, Set pressure 72 psig, At 15 psig drop flow 138 SCFM
HPR100	1/4	Inlet 91.3 psig, Set pressure 72.5 psig, At 15 psig drop flow 94 SCFM
	3/8	Inlet 91.3 psig, Set pressure 72.5 psig, At 15 psig drop flow 100 SCFM
	1/2	Inlet 91.3 psig, Set pressure 72.5 psig, At 15 psig drop flow 127 SCFM
IR100	1/4	Inlet 100 psig, Set pressure 80 psig, At 15 psig drop flow 80 SCFM
	3/8	Inlet 100 psig, Set pressure 80 psig, At 15 psig drop flow 90 SCFM
	1/2	Inlet 100 psig, Set pressure 80 psig, At 15 psig drop flow 165 SCFM
	3/4	Inlet 100 psig, Set pressure 80 psig, At 15 psig drop flow 170 SCFM
PR380	3/8	Inlet 91 psig, Set pressure 72 psig, At 15 psig drop flow 165 SCFM
	1/2	Inlet 91 psig, Set pressure 72 psig, At 15 psig drop flow 165 SCFM
	3/4	Inlet 91 psig, Set pressure 72 psig, At 15 psig drop flow 165 SCFM
PRH380	3/8	Inlet 91.3 psig, Set pressure 72.5 psig, At 15 psig drop flow 159 SCFM
	1/2	Inlet 91.3 psig, Set pressure 72.5 psig, At 15 psig drop flow 159 SCFM
	3/4	Inlet 91.3 psig, Set pressure 72.5 psig, At 15 psig drop flow 165 SCFM
IR380	3/8	Inlet 91 psig, Set pressure 72 psig, At 15 psig drop flow 160 SCFM
	1/2	Inlet 91 psig, Set pressure 72 psig, At 15 psig drop flow 160 SCFM
	3/4	Inlet 91 psig, Set pressure 72 psig, At 15 psig drop flow 150 SCFM
PR180M	3/4	Inlet 100 psig, Set pressure 80 psig, At 15 psig drop flow 390 SCFM
	1	Inlet 100 psig, Set pressure 80 psig, At 15 psig drop flow 390 SCFM
	1-1/4	Inlet 100 psig, Set pressure 80 psig, At 15 psig drop flow 640 SCFM
	1-1/2	Inlet 100 psig, Set pressure 80 psig, At 15 psig drop flow 640 SCFM
PRH180M	3/4	Inlet 91 psig, Set pressure 72 psig, At 15 psig drop flow 400 SCFM
	1	Inlet 91 psig, Set pressure 72 psig, At 15 psig drop flow 520 SCFM
	1-1/4	Inlet 91 psig, Set pressure 72 psig, At 15 psig drop flow 550 SCFM
	1-1/2	Inlet 91 psig, Set pressure 72 psig, At 15 psig drop flow 550 SCFM
HPR180M	3/4	Inlet 91.3 psig, Set pressure 72.5 psig, At 15 psig drop flow 290 SCFM
	1	Inlet 91.3 psig, Set pressure 72.5 psig, At 15 psig drop flow 335 SCFM
	1-1/4	Inlet 91.3 psig, Set pressure 72.5 psig, At 15 psig drop flow 335 SCFM
IR180M	3/4	Inlet 91 psig, Set pressure 72 psig, At 15 psig drop flow 460 SCFM
	1	Inlet 91 psig, Set pressure 72 psig, At 15 psig drop flow 620 SCFM
	1-1/4	Inlet 91 psig, Set pressure 72 psig, At 15 psig drop flow 640 SCFM
	1-1/2	Inlet 91 psig, Set pressure 72 psig, At 15 psig drop flow 640 SCFM
R200	1-1/2	Inlet 91 psig, Set pressure 72 psig, At 15 psig drop flow 1600 SCFM
PR300	3	Inlet 91 psig, Set pressure 72 psig, At 15 psig drop flow 3500 SCFM



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Air Line Lubricators & Port Sizes.

(Approximate size relationship as shown)



L10 Sentry Modular
NPTF & BSPP Port Sizes:
1/8, 1/4
Tubing Sizes: 1/4, 3/8,
4mm, 6mm, 8mm, & 10mm



L50 Miniature
NPTF & BSPP Port Sizes:
1/8, 1/4



L60D Guardsman
NPTF & BSPP Port Sizes:
1/4, 3/8, and 1/2



BL70D Guardsman II
NPTF & BSPP Port Sizes:
1/4, 3/8, and 1/2



L28D Vanguard Modular
NPTF & BSPP Port Sizes:
1/4, 3/8, 1/2, & 3/4



L28W Vanguard Modular
NPTF & BSPP Port Sizes:
1/4, 3/8, 1/2, & 3/4



L350D Modular
NPTF & BSPP Port Sizes:
1/4, 3/8, & 1/2



L380D Modular
NPTF & BSPP Port Sizes:
3/8, 1/2, & 3/4



L29D High Flow
NPTF & BSPP Port Sizes:
3/4, 1, 1-1/4, & 1-1/2



L100 High Flow
NPTF & BSPP Port Sizes:
1



BL237D High Flow
NPTF & BSPP Port Sizes:
3/4, 1, 1-1/4, & 1-1/2



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Air Line Lubricators & 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

	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
L50	04	06	M4	M6	M8	M10	1	2						
L50-Y							1	2						
L60D							2	3	4					
BL70D							2	3	4					
L28							2	3	4	6				
L350D							2	3	4					
L380							3	4	6					
L29										6	8	10	12	
L100												8		
L237										6	8	10	12	

OPTIONS CHART

		L10	L50	L50-Y	L60D	BL70D	L28	L350D	L380	L29	L100	L237
BOWL (prefix)												
	Metal	B	B	B	B	B	B	B	B	B	B	B
	Plastic											
DELIVERY SYSTEM (prefix)												
	Wick						W					
	Drip				D	D	D	D	D	D		D
Quick Fill		Q	Q	Q	Q	Q	Q		Q	Q	Q	Q
BOWL LENGTH (Prefix)												
	Standard											
	Extended					H	H (Drip only)	H H	H			H

FLOW RATE

	PORT SIZE	Inlet PSIG, set pressure PSIG, 15 PSIG pressure drop flow of SCFM
L10	ALL	Inlet 100 psig, at 5 psig drop flow 25 SCFM. Minimum flow: 1 SCFM
L50	1/8	Inlet 91 psig, at 5 psig drop flow 10 SCFM. Minimum flow: 2 SCFM
	1/4	Inlet 91 psig, at 5 psig drop flow 25 SCFM. Minimum flow: 6 SCFM
L50-Y	1/8, 1/4	Inlet 36 psig, at 5 psig drop flow 5 SCFM. Minimum flow: 1 SCFM Inlet 91 psig, at 5 psig drop flow 7 SCFM. Minimum flow: 1 SCFM Inlet 145 psig, at 5 psig drop flow 9 SCFM. Minimum flow: 1 SCFM
L60D	1/4	Inlet 100 psig, at 5 psig drop flow 40 SCFM. Minimum flow: 2 SCFM
	3/8	Inlet 100 psig, at 5 psig drop flow 78 SCFM. Minimum flow: 2 SCFM
	1/2	Inlet 100 psig, at 5 psig drop flow 110 SCFM. Minimum flow: 2 SCFM
BL70D	1/4	Inlet 100 psig, at 5 psig drop flow 40 SCFM. Minimum flow: 2 SCFM
	3/8	Inlet 100 psig, at 5 psig drop flow 78 SCFM. Minimum flow: 2 SCFM
	1/2	Inlet 100 psig, at 5 psig drop flow 110 SCFM. Minimum flow: 2 SCFM
L28	1/4	Inlet 100 psig, at 5 psig drop flow 35 SCFM. Minimum flow: 2 SCFM
	3/8	Inlet 100 psig, at 5 psig drop flow 70 SCFM. Minimum flow: 2 SCFM
	1/2	Inlet 100 psig, at 5 psig drop flow 120 SCFM. Minimum flow: 2 SCFM
	3/4	Inlet 100 psig, at 5 psig drop flow 140 SCFM. Minimum flow: 2 SCFM
L350D	1/4	Inlet 36.3 psig, at 5 psig drop flow 32 SCFM. Inlet 91.3 psig, at 5 psig drop flow 50 SCFM. Inlet 145 psig, at 5 psig drop flow 61 SCFM.
	3/8	Inlet 36.3 psig, at 5 psig drop flow 53 SCFM. Inlet 91.3 psig, at 5 psig drop flow 80 SCFM. Inlet 145 psig, at 5 psig drop flow 100 SCFM.
	1/2	Inlet 36.3 psig, at 5 psig drop flow 80 SCFM. Inlet 91.3 psig, at 5 psig drop flow 120 SCFM. Inlet 145 psig, at 5 psig drop flow 148 SCFM.
	3/8	Inlet 36 psig, at 5 psig drop flow 58 SCFM. Inlet 92 psig, at 5 psig drop flow 90 SCFM. Inlet 150 psig, at 5 psig drop flow 110 SCFM.
	1/2	Inlet 36 psig, at 5 psig drop flow 80 SCFM. Inlet 92 psig, at 5 psig drop flow 115 SCFM. Inlet 150 psig, at 5 psig drop flow 150 SCFM.
	3/4	Inlet 36 psig, at 5 psig drop flow 110 SCFM. Inlet 92 psig, at 5 psig drop flow 170 SCFM. Inlet 150 psig, at 5 psig drop flow 230 SCFM.
L29	3/4	Inlet 100 psig, at 5 psig drop flow 320 SCFM. Minimum flow: 10 SCFM
	1	Inlet 100 psig, at 5 psig drop flow 450 SCFM. Minimum flow: 10 SCFM
	1-1/4, 1-1/2	Inlet 100 psig, at 5 psig drop flow 500 SCFM. Minimum flow: 10 SCFM
L100	3/4	Inlet 100 psig, at 5 psig drop flow 160 SCFM. Minimum flow: 35 SCFM
	1	Inlet 100 psig, at 5 psig drop flow 350 SCFM. Minimum flow: 35 SCFM
L237	3/4	Inlet 100 psig, at 5 psig drop flow 325 SCFM. Minimum flow: 35-ounce bowl, 10 SCFM. 62-ounce bowl, 14 SCFM
	1	Inlet 100 psig, at 5 psig drop flow 450 SCFM. Minimum flow: 35-ounce bowl, 10 SCFM. 62-ounce bowl, 14 SCFM
	1-1/4, 1-1/2	Inlet 100 psig, at 5 psig drop flow 500 SCFM. Minimum flow: 35-ounce bowl, 10 SCFM. 62-ounce bowl, 14 SCFM



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