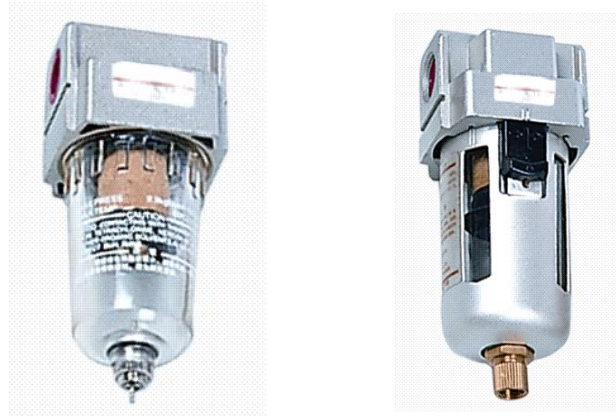


AF1000-5000



Numbering System: MODEL - BODY SIZE - PORT SIZE - OPTIONS				
MODEL	BODY SIZE	PORT SIZE	Standard Features	Options
AC	1000	00=10-32 (M5) 01=1/8 NPT 02=1/4 NPT 03=3/8 NPT 04=1/2 NPT 06=3/4 NPT 10=1 NPT	125 PSI Regulating Range Polycarbonate Bowl Semi-Auto Differential Drain F25=25 Micron Filter (Sintered Brass) Relieving Type	D=Automatic Drain (For 2000 TO 5000 Series Filter) M=Aluminum Metal P30=30PSI Regulating Range P60=60 PSI Regulating Range 5 Micron Filter
AW	2000			
	2500			
AR	3000			
	4000			
AF	5000			
AL				
AC	1010			
	2010			
	3010			
	4010			
	5010			

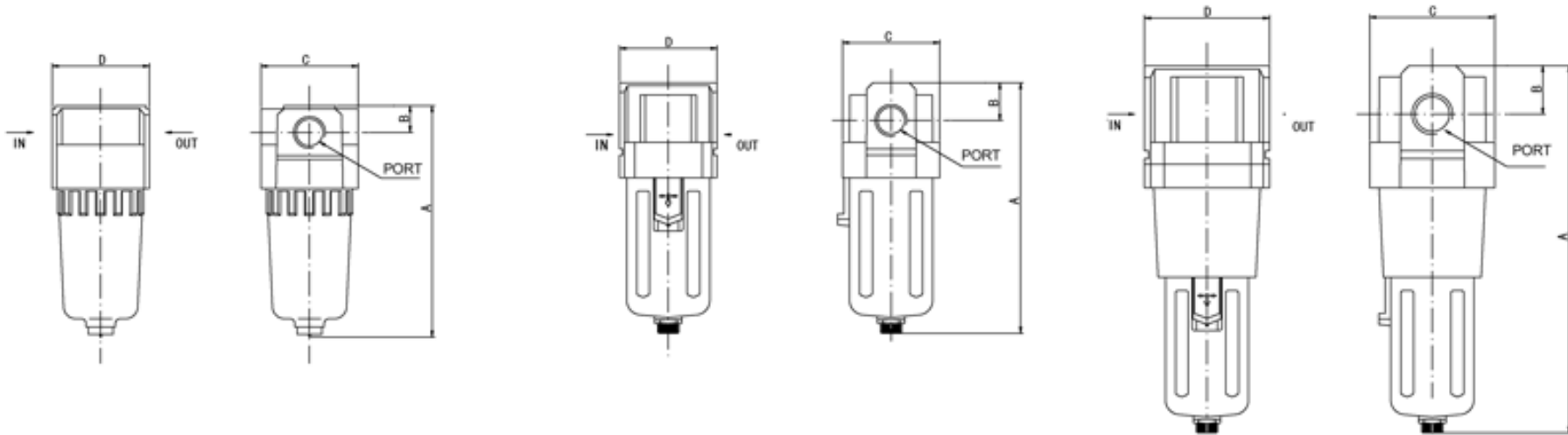
Specifications:**A Series FRL Interchangeable with SMC - NAC SERIES FRL**

These FRL components are of Modular design with joiner clamps and allow you to easily connect and disconnect FRL components for simple installation and maintenance.

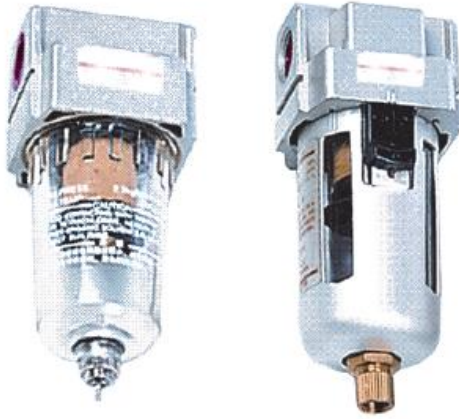
Regulator-Filter-Lubricator	AC1000-XX	AC2000-XX	AC3000-XX	AC4000-XX	AC4000-06	AC5000-XX
Flow Rate* SCFM (LPM)	3 (90)	18 (500)	70 (2000)	140 (4000)	160 (4500)	180 (5000)
Stacking Regulator-Filter-Lubricator	AC1010-XX	AC2010-XX	AC3010-XX	AC4010-XX	AC4010-06	AC5010-XX
Flow Rate* SCFM (LPM)	3 (90)	18 (500)	60 (1700)	105 (3000)	105 (3000)	140 (4000)
Stacking Regulator-Filter	AW1000-XX	AW2000-XX	AW3000-XX	AW4000-XX	AW4000-06	AW5000-XX
Flow Rate* SCFM (LPM)	3 (90)	19 (550)	70 (2000)	140 (4000)	160 (4500)	195 (5500)
Regulator	AR1000-XX	AR2000-XX	AR3000-XX	AR4000-XX	AR4000-06	AR5000-XX
Flow Rate* SCFM (LPM)	4 (100)	19 (550)	88 (2500)	210 (6000)	210 (6000)	280 (8000)
Filter	AF1000-XX	AF2000-XX	AF3000-XX	AF4000-XX	AF4000-06	AF5000-XX
Flow Rate* SCFM (LPM)	4 (110)	26 (750)	70 (2000)	140 (4000)	210 (6000)	245 (7000)
Lubricator	AL1000-XX	AL2000-XX	AL3000-XX	AL4000-XX	AL4000-06	AL5000-XX
Flow Rate* SCFM (LPM)	3 (90)	28 (800)	60 (1700)	180 (5000)	220 (6300)	245 (7000)
Port Size	10-32 (M5)	1/8 or 1/4 NPT	1/4 or 3/8 NPT	3/8 or 1/2 NPT	3/4 NPT	3/4 or 1 NPT
Port Size (Pressure Gauge)	1/16 RC (PT)	1/8 NPT	1/8 NPT	1/4 NPT	1/4 NPT	1/4 NPT
Regulating Range	7-100 PSI	7-125 PSI (0.5-8.5 kgf/cm ²)				
Max. Operating Pressure	150 PSI (9.9 kgf/cm ²)					
Operating Temperature	40-140°F (5-60°C)					
Filtration	5 micron filter (standard); 25 Micron (Sintered Brass Filter)					
Bowl Material	Polycarbonate (standard) or Aluminum Metal					
Bowl Guard	N/A		Steel Bowl Guard			
Body Material	Die-Casting Aluminum					
Construction/Regulator	Relieving Type					
Filter Drain	Semi-Auto Differential Drain			Semi-Auto Differential Drain (Standard) or Automatic Drain		

*Measured with Supply Pressure @100 PSI and Set Point Pressure @75 PSI

Filter Dimensions

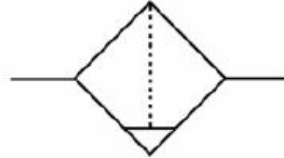


Model	Flow Rate (lpm/scfm)	Port	A (mm/in)	B (mm/in)	C (mm/in)	D (mm/in)	Bracket	Weight (kg/lb)
AF1000-00	110	10-32 (M5)	66	7	25		B140	0.07
	4		2.60	0.28	0.98	0.00		0.15
AF2000-01	750	1/8 NPT	97.5	11	40	40	B240	0.19
AF2000-02	26	1/4 NPT	3.84	0.43	1.57	1.57		0.42
AF3000-02	2000	1/4 NPT	132.5	14	53	53	B340	0.29
AF3000-03	70	3/8 NPT	5.22	0.55	2.09	2.09		0.64
AF4000-03	4000	3/8 NPT	168.5	18	70	70	B440	0.55
AF4000-04	140	1/2 NPT	6.63	0.71	2.76	2.76		1.21
AF4000-06	6000	3/4 NPT	172.5	20	70	70	B540	0.58
	210		6.79	0.79	2.76	2.76		1.28
AF5000-10	245	1 NPT	9.74	0.94	3.54	3.54		2.38

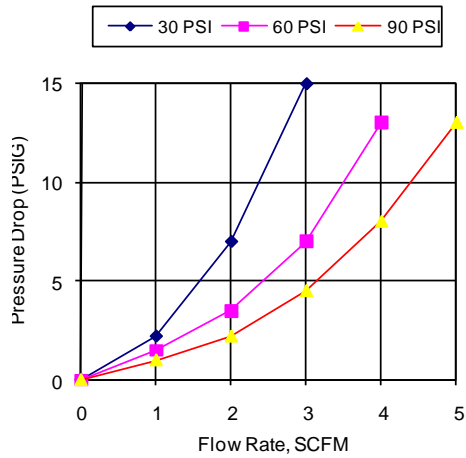


Filter Selection:

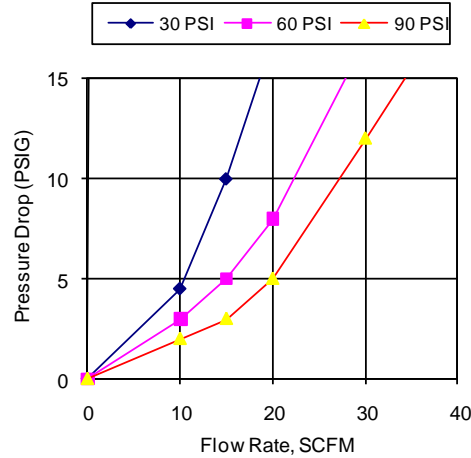
1. Determine flow rate requirements.
2. Determine required set point pressure and allowable pressure drop.
3. Locate the FRL graph with set point pressure that provides the flow rate with acceptable pressure drop.



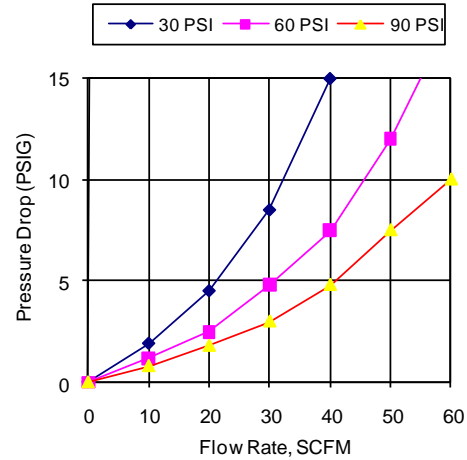
AF1000 Series Filter
Flow Rate VS Pressure Drop
@ 30, 60, 90 PSI Supply Pressure



AF2000 Series Filter
Flow Rate VS Pressure Drop
@ 30, 60, 90 PSI Supply Pressure



AF3000 Series Filter
Flow Rate VS Pressure Drop
@ 30, 60, 90 PSI Supply Pressure



AF4000 Series Filter
Flow Rate VS Pressure Drop
@ 30, 60, 90 PSI Supply Pressure

