



## MINIATURE SERIES

### Features:

- Designed for applications where space is limited and flow requirements are low (i.e., control panels, miniature circuitry).
- Units can be disassembled by hand for easy maintenance.
- Assemblies provide space saving configurations and reduce installation time.

Options are indicated by adding a dash followed by the corresponding suffix(es) in alphabetical order to the model number.

See page 43 for ordering information, specifications, accessories and repair kits.

## FILTERS

### Features:

- Manual drain for quick and easy fluid removal.

**Options:** *Suffix*  
 Metal bowl without sight glass . . . . . M  
 Filter element (5 micron) . . . . . X

## REGULATORS

### Features:

- Reliable low-friction "U" cup piston seal.
- Built-in self-relieving feature prevents excessive down stream pressure build-up.
- Adjusting knob locks in place to maintain pressure setting.

**Options:** *Suffix*  
 Gauge . . . . . G  
 Extra low pressure spring (0 - 20 PSI) . . . J  
 Low pressure spring (0 - 50 PSI) . . . . . L

## LUBRICATORS

### Features:

- Reliable low-friction "U" cup piston seal.
- Oil delivery is constant with both steady and pulsating air flows.
- Clear drip tube gives visual indication of oil flow.

**Options:** *Suffix*  
 Metal bowl without sight glass . . . . . M

## FILTER / REGULATOR (COMBO)

### Features:

- 0 - 125 PSI pressure range.

**Options:** *Suffix*  
 Gauge . . . . . G  
 Extra low pressure spring (0 - 20 PSI) . . . J  
 Low pressure spring (0 - 50 PSI) . . . . . L  
 Metal bowl without sight glass . . . . . M  
 Filter element (5 micron) . . . . . X

## FILTER / REGULATOR - LUBE (DUO)

### Features:

- Gauge included uninstalled so it be can be used on either side.

**Options:** *Suffix*  
 Extra low pressure spring (0 - 20 PSI) . . . J  
 Low pressure spring (0 - 50 PSI) . . . . . L  
 Metal bowl without sight glass . . . . . M  
 Filter element (5 micron) . . . . . X



To order, call 732-432-7177.



Item	Pipe Size	Model	Display Model
Filter	1/4"	A107D	A107-CS
Regulator	1/4"	A108D	A108-CS
Lubricator	1/4"	A109D	A109-CS
Combo	1/4"	A100D	A100-CS
Duo	1/4"	A110D-G	-
<i>Accessories and Repair Kits</i>		<i>Model</i>	<i>Display Model</i>
<b>Filter -</b>			
Bowl		A107-41M	-
Repair kit		A107RK	-
<b>Regulator -</b>			
Mounting bracket and panel nut		A108-MB	-
Repair kit		A108RK	-
Gauge 1 1/2" dial (0 - 60 PSI)		A2543	
Gauge 1 1/2" dial (0 - 160 PSI)		A2544	A2544-BL
<b>Lubricator -</b>			
Metal bowl		A109-41M	-
Repair kit		A109RK	-

See page 39 for gauges.

**FILTERS**

Supply Pressure	Pressure Drop				
	1	2	3	4	5
25 PSI	7	10	12.5	15	17
50 PSI	9	13	16	19	21
75 PSI	11	15.5	19.5	22	24.5
100 PSI	13	17.5	21	24.5	26

Note: All values are approximate. **SCFM**

**REGULATORS**

Supply 100 PSI Regulated Pressure	Pressure Drop		
	5	10	15
25	4	8	11
50	3	9	11
75	2	6	9

Note: All values are approximate. **SCFM**

**LUBRICATORS**

Supply Pressure	Pressure Drop				
	1	2	3	4	5
25 PSI	.75	1.5	2.0	4.5	6.5
50 PSI	1	2.75	4.5	6.75	8
75 PSI	1.5	3.5	5.75	7.75	10
100 PSI	1.75	4.5	7	9	11

Note: All values are approximate. **SCFM**

	Filters	Regulators	Lubricators	Combo	Duo	Trio
Maximum supply pressure:						
Standard:	150 PSI	250 PSI	150 PSI	150 PSI	150 PSI	N/A
Metal bowl:	250 PSI	-	250 PSI	250 PSI	-	N/A
Operating pressure range:	-	0 - 125 PSI	-	0 - 125 PSI	0 - 125 PSI	N/A
Maximum operating temperature:						
Standard:	120° F	250° F	120° F	120° F	120° F	N/A
Metal bowl:	250° F	-	250° F	250° F	250° F	N/A
Height:	4"	2 7/8"	5"	6 1/8"	6 1/8"	N/A
Diameter:	1 1/2"	1 1/2"	1 1/2"	1 1/2"	3 1/2"	N/A
Weight:	1/4 lb.	1/3 lb.	1/4 lb.	1/4 lb.	3/4 lb.	N/A
Bowl capacity:	1.5 oz.	-	1.5 oz.	1.5 oz.	1.5 oz.	N/A
Material:						
Body:	Die-cast zinc					
Standard bowl:	Polycarbonate					
Metal bowl:	Die-cast zinc					
Filter element:	Porous polypropylene					
Adjusting knob:	High-impact plastic					
Filter element (standard):	20 micron					
Filter element (option):	5 micron					

**WARNING:** Although polycarbonate bowls are capable of withstanding extreme physical abuse, they are susceptible to damage and may possibly burst when subjected to some cleaning products and synthetic oils, particularly phosphate esters. Should there be any questions regarding their compatibility with your applications, consult the factory or use a metal bowl.

Miniature Series FRLs



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