

P8A, P8B Combination Units

17 Series Filter-Regulator-Lubricator 3/4", 1", 1-1/4" and 1-1/2" Port Sizes

- Depth type, 40 µm filter element
- Balanced regulator valve minimizes effect of changes in inlet pressure on outlet pressure
- Low torque, non-rising regulator pressure adjusting knob
- All around (360°) visibility of the lubricator sight-feed dome simplifies installation and adjustment
- Lubricator flow sensor provides a nearly constant oil/air ratio over a wide range of air flows

Use Micro-Fog combinations in applications containing one or more points of lubrication

Use Oil-Fog combinations to lubricate a single tool, cylinder, or other air driven device



Fluid: Compressed air

Maximum pressure: 250 psig (17 bar)

Operating temperature*: 0° to 175°F (-20° to 80°C)

* Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C). Start point (minimum flow required for lubricator operation): 8 scfm (3.8 dm³/s) at

90 psig (6.3 bar) inlet pressure Regulator gauge ports:

1/4" PTF with PTF main ports

R1/4 with ISO Rc, ISO G, and BSPP main ports

Nominal bowl size: 1 quart US (1 liter)

Manual drain connection: Will fit 1/8-27 and 1/8-28 pipe thread Automatic drain connection: Will fit 1/8-27 and 1/8-28 pipe thread

Automatic drain operating conditions (float operated)

Bowl pressure required to close drain: Greater than 5 psig (0.3 bar) Bowl pressure required to open drain: Less than 3 psig (0.2 bar) Minimum air flow required to close drain: 2 scfm (1 dm³/s) Manual operation: Depress pin inside drain outlet to drain bowl

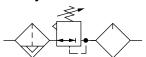
Recommended lubricants: See Section ALE-29. Materials

Bodies, bowls, regulator bonnet: Aluminum Bowl sight glass: Pyrex Filter element: Sintered bronze Regulator bottom plug: Acetal Regulator valve: Aluminum and nylon Lubricator sight-feed dome: Transparent nylon

Elastomers: Neoprene and nitrile



ISO Symbols



Filter with automatic drain, relieving regulator, lubricator with manual drain

See Section ALE-24 for Accessories

17 Series F-R-L Combination Unit



Ordering Information. Models listed have PTF port threads . Filters and lubricators have metal bowl with sight glass. Filters have 40 μm element and automatic drain. Lubricators have manual drain. Regulators are relieving type with gauge, knob adjustment, and outlet pressure adjustment range of 5 to 125 psig (0.3 to 8.5 bar)*.

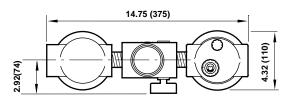
Port Size	Micro-Fog Models	Oil-Fog Models	Weight lbs (kg)
3/4"	P8A-660-A3DA	P8B-660-A3DA	6.69 (3.03)
1"	P8A-860-A3DA	P8B-860-A3DA	6.29 (2.85)
1-1/4"	P8A-A60-A3DA	P8B-A60-A3DA	7.51 (3.41)
1-1/2"	P8A-B60-A3DA	P8B-B60-A3DA	6.88 (3.12)

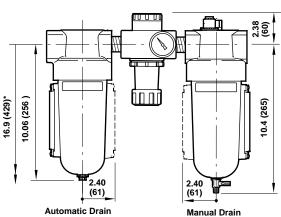
^{*} Outlet pressure can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

Alternative Models *8 * - * * - * * * Substitute Regulator Adjustment Threads Substitute PTF Α T-bar Н ISO Rc taper В Р Knob BSPP (1-1/2" ported units only) С ISO G parallel (not available G Lubricator Type Substitute with 1-1/2" ported units) Micro-Fog Α Oil-Fog В Lubricator Reservoir Substitute 1 quart US (1 liter) metal, drain, D Port Size Substitute sight glass 3/4" 1" 8 Filter Element Substitute 1-1/4" Α 40 µm 3 В 1-1/2" Filter Drain Substitute Automatic Α Manual M

		Outlet Pressure				
		Adjustment Range*		Relief		
	Filter Bowl	psig	bar	Туре	Gauge	Substitute
Г	Metal, sight glass	5 to 125	0.3 to 8.5	Relieving	With	60
Г	Metal, sight glass	5 to 125	0.3 to 8.5	Relieving	Without	61
Г	Metal, sight glass	5 to 125	0.3 to 8.5	Non relieving	Without	62
	Metal, sight glass	5 to 125	0.3 to 8.5	Non relieving	With	63
	Metal, sight glass	5 to 50	0.3 to 3.5	Relieving	Without	64
Г	Metal, sight glass	5 to 50	0.3 to 3.5	Relieving	With	65
	Metal, sight glass	5 to 50	0.3 to 3.5	Non relieving	Without	66
Г	Metal, sight glass	5 to 50	0.3 to 3.5	Non relieving	With	67
Г	Metal, sight glass	10 to 250	0.7 to 17	Relieving	Without	76
	Metal, sight glass	10 to 250	0.7 to 17	Relieving	With	77
	Metal, sight glass	10 to 250	0.7 to 17	Non relieving	Without	76
Г	Metal, sight glass	10 to 250	0.7 to 17	Non relieving	With	79

All Dimensions in Inches (mm)





Service Kits

Item	Туре	Part Number				
Lubricator service kit	All o-rings, seals, gaskets	5771-02				
Filter service kit	All o-rings, seals, gaskets	5578-05				
THE SELVICE KIT	40 µm element	5311-03				
Replacement drain	Automatic	3000-10				
Sight glass kit *	Pyrex	2273-22				
Regulator service kit **	Relieving	5578-02				
Regulator Service Kit	Non relieving	5578-01				
Replacement drain	1/4 Turn	619-50				

^{*} Sight glass kit contains bowl o-ring plus all o-rings, seals, screws, glass, and glass guard.



^{**} Regulator service kit contains, diaphragm, all o-rings, valve, and valve spring.

^{*} Minimum clearance required to remove bowl.