IS-FRLM-1-S50
01/05

MINIATURE AIR FILTER, REGULATOR, LUBRICATOR INSTRUCTION SHEET

ATD-7822, 7841, 7842, 7846, 7869, 7875

Bowl	Max. Pressure	Temperature Range
Plastic	150 psi	40°F to 125°F
Metal-Filter	250 psi	40°F to 160°F
Metal-Lube	250 psi	40°F to 160°F
Piston Drain	150 psi	40°F to 125°F
Regulator	250 psi	40°F to 120°F

WARNING! For compressed air service only. Do not use on life support systems or breathing air systems. Never use polycarbonate plastic bowls with air supplied by a compressor lubricated with synthetic oils or oils containing phosphate esters or *chlorinated* hydrocarbons. They can carry over into the air distribution system and chemically attack and possibly rupture the bowl. On these applications use a metal bowl. Also, do not expose the polycarbonate plastic bowl to materials such as trichlorethylene, acetone or paint thinner. Cleaning fluids or other harmful materials will craze and/or rupture the bowl. If materials harmful to polycarbonate are present either outside or inside the bowl, use a metal bowl. For any additional information regarding chemical compatibility please contact: General Electric Plastics, One Plastic Avenue, Pittsfield, MA..

MAINTENANCE AND OPERATION

Install units so the air flow is in the direction as indicated on the head of the unit. Filters should be installed upstream of regulators. Lubricators should be downstream of regulators. Units should be installed as close as possible to the pneumatic tools or appliances being serviced.

FILTER

Filtering of liquid, water and dirt particles is automatic with air flow. There are no moving parts and no adjustment are required.

Accumulated sludge and moisture should be drained off. Water, dirt or sediment should not be permitted to fill above the filter element.

Wash or replace element at regular intervals to prevent excessive pressure drop. To clean element, depressurize system, unscrew bowl and remove element from head. Wash element with naphtha and allow to dry before reassembling. Inspect gasket and replace if damaged or distorted. Avoid stripping threads on bowl when reassembling.

LUBRICATOR

OPERATION ADJUSTMENT: Lubricator automatically varies oil mist delivery with air flow variation at any adjustment. The oil flow rate can be observed through the sight dome. The oil flow rate setting depends on the air flow and on the equipment being lubricated. The recommended lubrication range, is 1-3 drops/minute. Increased oil mist delivery is obtained by rotating the adjustment knob counterclockwise when in the upward position. Once desired adjustment is reached, push adjusting knob down to lock in current position. To prevent unauthorized adjustment the plastic knob may be removed and replaced at a later date.

REGULATOR

Install the regulator so the supply air enters the "IN" port. Any "OUT" port may be used for either gauge or regulated pressure. After regulator is installed, back off pressure adjusting knob before air is turned on. Turn on air supply and regulate the adjusting knob until the pressure gauge shows desired pressure. Push knob down to lock, remove knob to assure tamper resistance.

Reduced Pressure Ranges

5-125 STD
3-60 L
3-20 I

Air Service: Mini regulator will accurately control the secondary pressure between 5-125 PSI on standard units. The self bleed venting feature permits use on dead end applications.

IMPORTANT: Care must be taken to avoid screwing fittings too far into body of units, as it may close internal ports. Normally finger tight plus one turn will seal.

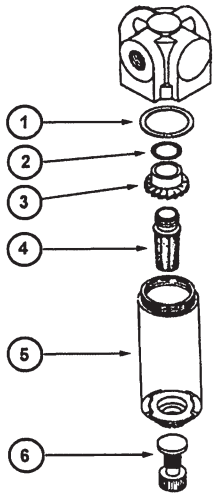
TAMPER-RESISTANT OPTION

The optional cap (P/N 91806) has been provided in the plastic bag to ensure that the reduced pressure setting cannot be tampered with. To make the unit "tamper-resistant", proceed as follows.

Turn adjustment knob until the desired reduced pressure setting is reached. Remove adjustment knob by pulling upward. Install the tamper-resistant cap in its place.

NOTE: To make permanently tamper-resistant, **LOCTITE** the cap in place.

CAUTION: By permanently loctiting the tamper-resistant cap into place, the pressure adjustment cannot be changed.

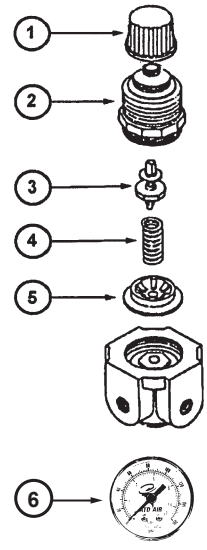


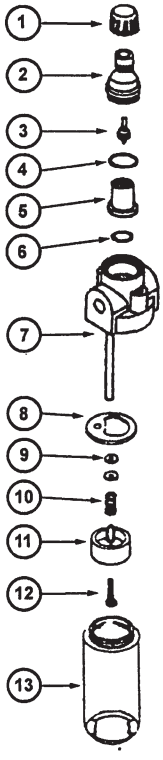
ATD-7822

Item	Description	Kit Number	Contents
2, 3, 4	Element Kit	EKF300	Vane, O-Ring, 20 Micron Element
1, 5, 6	Bowl Kit	BKF300	Bowl Gasket, Plastic Bowl, Drain Valve
Not Shown		BKF300M	Bowl Gasket, Metal Bowl, Drain Valve
		BKF300J	Bowl Gasket, Plastic Bowl, Overnight Drain
Not Shown	Piston Drain Kit	PKF300	Piston Drain, Drain Valve

ATD-7841, 7842

Item	Description	Kit Number	Contents
1, 2, 3	Spring Cage Repair Kit	RB260	Cap, Bonnet, Adjusting Screw Assembly
4	Adjusting Spring Kit	Sk260	Adjusting Spring, 5-125 psi
		SK260I	Adjusting Spring, 3-20 psi
		SK260L	Adjusting Spring, 3-60 psi
5	Relieving Diaphragm Kit	RK260	Relieving Diaphragm
	Non-Relieving Diaphragm Kit	RK260N	Non-Relieving Diaphragm
6	1-1/2" 160psi Gauge-Back Mount, 1/8" NPT	ATD-7922	1-1/2" 160psi Gauge-Back Mount, 1/8" NPT





ATD-7846

Item	Description	Kit Number	Contents
1, 2, 3, 4, 5, 6	Adjustment Dome Kit	AK35	Adjustment Cap, Adjustment Dome Assembly, Internal Sight Dome, O-Rings
7, 8, 9, 10, 11, 12 15, 17,	Repair Kit	RKL1812	Tube, O-Ring, Ball Check, Dip Tube, By-Pass Housing Gasket, Washers, Spring, By-Pass Housing, Screw
13	Bowl Assembly Kit	BKL1811	Polycarbonate Bowl
Not Shown		BKL1811M	Metal Bowl