

OPERATOR'S MANUAL

INCLUDING: OPERATION, INSTALLATION & MAINTENANCE

MINIATURE AIR LINE F-R-L 1/8" & 1/4" PIPE SIZES

1251X1-XXX

1261X1-XXX

1271X2-XXX

1281X1-XXX

RELEASED: 10-2-75

REVISED: 1-6-06

(REV. F)



**READ THIS MANUAL CAREFULLY BEFORE INSTALLING,
OPERATING OR SERVICING THIS EQUIPMENT.**

It is the responsibility of the employer to place this information in the hands of the operator. Keep for future reference.



MODEL 128121-800

OPERATING AND SAFETY PRECAUTIONS

WARNINGS:

- Do not exceed the pressure or temperature ratings of this unit as specified.
- **DO NOT use degreasers or solvents to clean polycarbonate bowls.** Clean polycarbonate bowls with soap and water or kerosene only.
- **DO NOT** expose polycarbonate bowls to: acetone, trichloroethane, gasoline, alcohols, ketones, esters, chlorinated hydrocarbons, toluene, synthetic lubricants, direct sunlight, impact blows, temperature outside rated range, pressure over rated range, compressor oils containing fire resistant additives such as phosphate esters or diesters. Exposure to these substances can cause crazing, cracking or rupture. Fumes of these substances, either internally or external-

ly, can also cause failure. USE COMPATIBLE LUBRICATING OILS ONLY. Lubricating oils used with polycarbonate bowls must be compatible. Some "fire resistant" oil additives are not compatible and can cause failure of the bowls.

- For use in environments where any of these chemicals may be present, consult the factory for approval prior to installation.
- Shut-off and relieve air supply before disassembling the unit.
- Secondary pressure adjustment ranges are not minimum or maximum secondary pressure limits. Regulators can be adjusted to zero p.s.i.g. secondary pressure and, generally, to pressures in excess of those specified. The use of these regulators to control pressure outside of the specified ranges is not recommended.

1251X1-XXX FILTER

PRIMARY PRESSURE

200 P.S.I. (14 BAR) MAXIMUM PLASTIC BOWL
150 P.S.I. (10 BAR) MAXIMUM COMPOSITE BOWL

TEMPERATURE RANGE

0° F to 125° F (-18° C to 52° C)

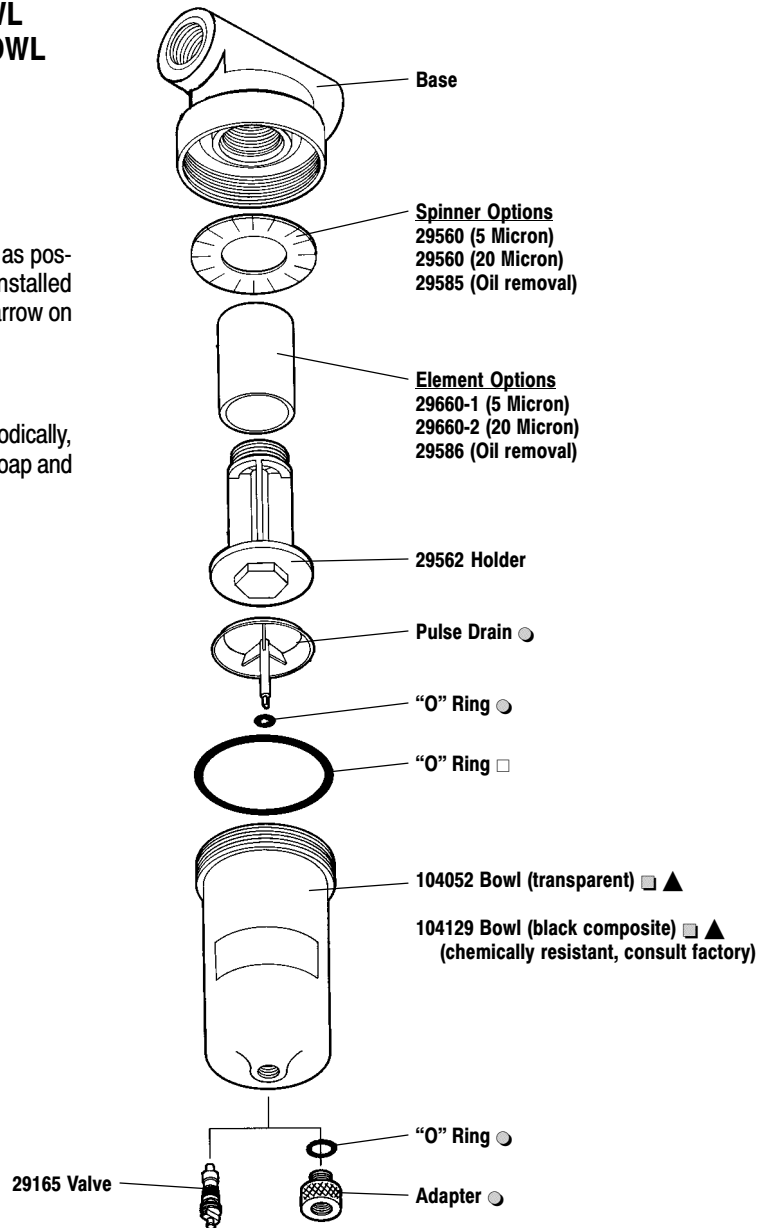
INSTALLATION

Install filter upstream from regulator and lubricator and as close as possible to tool, cylinder or pneumatic device. The filter must be installed with the air flow thru the unit in the direction as indicated by the arrow on the base.

MAINTENANCE

Shut-off and relieve air pressure before disassembling unit. Periodically, the bowl should be removed and cleaned. Wash bowl only with soap and warm water or kerosene. Replace filter element if necessary.

- Included in 104078 Pulse Drain Kit.
- Included in 104025 Repair Kit.
- Includes 29165 Drain Valve.
- ▲ Tighten to 35 - 45 in. lbs (4.0 - 5.1 Nm).



1261X1-XXX LUBRICATOR

PRIMARY PRESSURE

200 P.S.I. (14 BAR) MAXIMUM PLASTIC BOWL
150 P.S.I. (10 BAR) MAXIMUM COMPOSITE BOWL

TEMPERATURE RANGE

0° F to 125° F (-18° C to 52° C)

INSTALLATION

Install lubricator downstream from regulator and filter and as close as possible to tool, cylinder or pneumatic device. The lubricator must be installed with the air flow thru the unit in the direction as indicated by the arrow on the base. All oil feed rate adjustments should be made with the unit in operation. To decrease oil feed rate, turn adjustment screw clockwise. To increase oil feed rate, turn the adjustment screw counterclockwise.

TROUBLE SHOOTING

Shut-off and relieve air supply before disassembling unit. If lubricator will not feed oil into the air line, remove bowl and blow compressed air thru the oil suction tube to clear oil circuit.

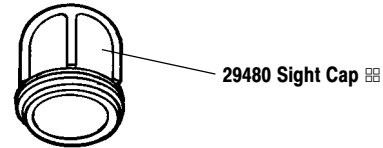
MAINTENANCE

Shut-off and relieve air supply before disassembling unit. Periodically, the bowl should be removed and cleaned. Wash bowl with soap and warm water or kerosene only.

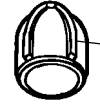
□ Included in 104028 Repair Kit.

▲ Tighten to 35 - 45 in. lbs (4.0 - 5.1 Nm).

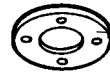
⊞ Tighten to 26 - 30 in. lbs (2.9 - 3.4 Nm).



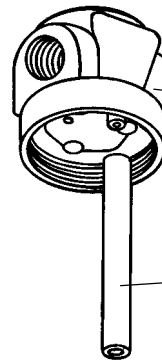
29480 Sight Cap ⊞



104075 Cap



Gasket □

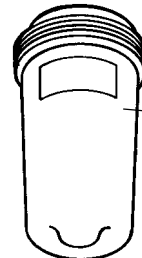


Base

Tube



"O" Ring □



104053 Bowl (transparent) ▲

104128 Bowl (black composite) ▲
(chemically resistant, consult factory)

1271X2-XXX REGULATOR

PRIMARY PRESSURE
250 P.S.I. (17 BAR) MAXIMUM

ADJUSTED PRESSURE
125 P.S.I. (8.6 BAR) MAXIMUM

TEMPERATURE RANGE
0° F to 150° F (-18° C to 65° C)

INSTALLATION

Install regulator upstream from lubricator and as close as possible to tool, cylinder or pneumatic device. The regulator must be installed with the air flow thru the unit in the direction as indicated by the arrow on the base. If the air line contains water, sludge or foreign materials, an Aro air line filter should be installed on the upstream side to protect the regulator. After the regulator has been installed in the air line, the adjustment screw should be turned counterclockwise until it stops, to prevent over-pressurizing tool, cylinder or pneumatic device when air supply is turned on.

TROUBLE SHOOTING

Shut-off and relieve air pressure before disassembling unit. If the outlet pressure creeps or rises slowly, check the seat or valve for foreign material and replace if worn. If the regulator continuously bleeds air thru the housing, check for dirt on the seat or valve. Replace if worn.

- Included in 104158 Repair Kit (relieving).
- Included in 104159 Repair Kit (non-relieving).
- Lubricate with Key-Lube grease.
- ▲ Tighten to 4 - 5 in. lbs (0.45 - 0.56 Nm).
- ⊞ Tighten to 0.5 - 1.5 in. lbs (0.06 - 0.17 Nm).
- ☆ Tighten to 3.5 - 4.5 in. lbs (0.4 - 0.5 Nm).

Gauge Options

29846 (0 - 15 p.s.i.g.)
29755-1 (0 - 30 p.s.i.g.)
29863 (0 - 60 p.s.i.g.)
29850 (0 - 160 p.s.i.g.)

