

FILTER REGULATOR LUBRICATOR (FRL)



Your Air-actuated Instrument and Equipment work at their best for a long period when you feed with clean dry air at a constant prescribed pressure. PLACKA FRL -Series Filter Regulator Lubricator removes completely the moisture and dust particles, and provides the exact pressure constantly at varying air demands as well as to distribute oil to the moving parts to reduce friction. Its compactness and highly accurate performance for a long period with minimum of maintenance make for an optimum compromise between the ideal and the practical, consistent with end-use.

SALIENT FEATURES

- Longer life assured as the materials used are selected for their corrosion resistance and long wear.
- Negligible pressure drop due to high porosity ratio of the filter. The filter is reusable and has a high impact strength.
- In addition to solid particles, the unit extracts a high percentage of water thus ensuring trouble-free service even in the most adverse conditions.
- Built in relief ensures rapid response to circuit-induced pressure changes.
- Simple, versatile built in mounting arrangements by bolts and clamps. For panel mounting, tapped holes are provided.

OPERATION

An FRL unit comprises a filter (F), regulator (R), and lubricator (L). These individual units can combine into one unit to ensure clean air in a pneumatic system. It is also possible to use each component individually. A proper air filter, regulator, and lubricator unit in a pneumatic system provides higher reliability of the components downstream, reduced power wastage from over-pressurisation, and increased component lifetime. The three components in an FRL unit work together.

Filters: Filters remove water, dirt, and other harmful debris from an air system, which is often the first step in improving air quality.

Regulators: The second step in an FRL system is a regulator. Regulators adjust and control the air pressure of a system to ensure that down-line components do not exceed their maximum operating pressures.

Lubricators: Lubricators reduce the internal friction in air tools by releasing a controlled oil mist into the compressed air. This is often done last and/or right before the component that needs lubrication.

SPECIFICATIONS

Ensured Pressure Resistance	15 Kg/sq.cm
Highest Working Pressure	10 Kg/sq.cm
Temperature	5 - 60° C
Filter Precision	25 Microns
Container Material	Poly Carbonate
Recommended Oil Use	Turbine No.1 Oil ISOVG32
Container Material	Polycarbonate
Protective Cover	PAC1000-2000 (Not Available) PAC2500-5000 (Available)
Pressure Regulating Range	PAC1000 : (0.5 - 7 Kg/sq.cm) PAC2000-5000 (0.5 - 8.5 Kg/sq.cm)
Valve Type	With Over Flow

Model No		Filter	Regulator	Lubricator	Flow (L/Min)	Port Size	Gauge Size
PAC1000-M5	-----	PAF1000	PAR1000	PAL1000	90	M5	1/16"
PAC2000-01	PAC2000-01 D	PAF2000	PAR2000	PAL2000	500	1/8"	1/8"
PAC2000-02	PAC2000-02 D					1/4"	
PAC2500-02	PAC2500-02 D	PAF3000	PAR2500	PAL3000	1500	1/4"	1/8"
PAC2500-03	PAC2500-03 D					3/8"	
PAC3000-02	PAC3000-02 D	PAF3000	PAR3000	PAL3000	2000	1/4"	1/8"
PAC3000-03	PAC3000-03 D					3/8"	
PAC4000-03	PAC4000-03 D	PAF4000	PAR4000	PAL4000	4000	3/8"	1/4"
PAC4000-04	PAC4000-04 D					1/2"	
PAC4000-06	PAC4000-06 D	PAF4000-06	PAR4000-06	PAL4000-06	4500	3/4"	1/4"
PAC5000-06	PAC5000-06 D	PAF5000	PAR5000	PAL5000	5000	3/4"	1/4"
PAC5000-10	PAC5000-10 D					1"	