

AIR FILTER PRESSURE REGULATOR (ALUMINIUM)



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 FPR- Series Air Filter-cum Pressure Regulator removes completely the moisture and dust particles, and provides the exact pressure constantly at varying air demands. 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. This economically priced unit is extensively used for Process Control Instruments, Air-actuated Control Valves, Cylinders transducers and other equipments.

SALIENT FEATURES

- Longer life assured as the materials used are selected for their corrosion resistance and long wear.
- Excellent characteristics throughout the full flow range particularly at low flow zone in which the unit usually serves Instruments.
- 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 ensure rapid response to circuit-induced pressure charges.
- The dust and liquid contaminants can be fully drained out when the regulator is mounted both vertically and horizontally as in the case of control valves, transmitters etc.
- Custom made unit for control valves, Transmitters and other field mounted Instruments.
- Regulator adjustment knob is easily lockable by the finger operated locking unit.
- Simple, versatile built in mounting arrangements by bolts and clamps. For panel mounting, tapped holes are provided at the top of the spring case for mounting screws.
- Most economically priced.

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| Service : | Air |
| Max. inlet Pressure : | 250 PSI 18 kg/cm ² |
| Enclosure : | Weather Proof (IP65) |
| Outlet Pressure Ranges : | Refer Table 1 |
| End Connections : | 1 inlet, 1 outlet and 1 pressure gauge port |
| Bowl Capacity : | 130 cc (Approx.) |
| Ambient Temperature : | Upto 80° c |
| Adjustment knob with nut : | Unbreakable plastic moulded on C.S. Stem (SS on request) |
| Body Spring Case and Filter Bowl : | Die Cast Aluminium alloy |
| Filter : | Sintered Bronze / Porus Plastic 15 Microns Standard 5, 25, 40 Microns Optional |
| Main Valve : | Neoprene Moulded on SS stem |
| Drain Valve : | Brass - Standard (SS on request) |
| Main Valve Spring : | SS |
| Diaphragm : | Nylon Reinforced Neoprene |
| Main Spring : | Spring Steel |
| Mounting : | Surface or Panel |

SELECT MODEL NUMBERS :

| END CONNECTION | OUTLET PRESSURE RANGE | | | | DIMENSION (A) mm |
|----------------|--|--|---|--|------------------|
| | 0 - 2.1 kg / cm ² 0 - 30 PSI | 0 - 4.2 kg / cm ² 0 - 60 PSI | 0 - 7 kg / cm ² 0 - 100 PSI | 0 - 10.6 kg / cm ² 0 - 150 PSI | |
| 1/4" | FPR - 1 | FPR - 2 | FPR - 3 | FPR - 3A | 157 |
| 3/8" | FPR - 4 | FPR - 5 | FPR - 6 | FPR - 6A | 172 |
| 1/2" | FPR - 7 | FPR - 8 | FPR - 9 | FPR - 9A | 172 |
| 3/4" | FPR - 10 | FPR - 11 | FPR - 12 | FPR - 12A | 180 |
| 1" | FPR - 13 | FPR - 14 | FPR - 15 | FPR - 15A | 190 |