AIR FILTER REGULATOR

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 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 ahigh 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.
- 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 nut.
- 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.

OPERATION

The primary air through the inlet port, passes through the filter element, leaving down the contaminants in the bowl. When the knob is adjusted suitably, the spring acts on the diaphragm which in turn actuates the main valve to allow the pure secondary air at a particular pressure to the outlet. The main valve is supported between the relief valve and the main valve spring, eliminating the need for stem guiding, Toggle action between main valve and relief valve completely eliminates the alignment problems and thus, erratic output pressure.

SPECIFICATIONS

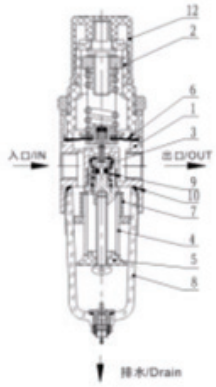
Ensured Pressure Resistance	15 Kg/sq.cm
Highest Working Pressure	10 Kg/sq.cm
Temperature	5 - 60^0 C
Filter Precision	25 Microns
Container Material	Poly Carbonate
Protective Cover	PAW 1000 - 2000 (Not Available) PAW 3000 - 5000 (Available)
Pressure Regulating Range	PAW 1000 (0.5-0.7 kg/sq.cm) PAW 2000 - 5000 (0.5-8.5 kg/sq.cm)
Valve Type	With Over Flow

Model No	Flow Rate (L/min)	Port Size	Gauge Size	Drain Function	Auto Drain Model
PAW1000-M5	100	M5	1/16"	Manual	-
PAW2000-01	550	1/8"	1/8"	Air Shut Off Drain / Manual Drain	PAW2000-01D
PAW2000-02		1/4"			PAW2000-02D
PAW3000-02	2000	1/4"			PAW3000-02D
PAW3000-03		3/8"			PAW3000-03D
PAW4000-03	4000	1/2"			PAW4000-03D
PAW4000-04		3/4"	1/4"		PAW4000-04D
PAW4000-06	4500	3/4"			PAW4000-06D
PAW5000-06	5500	1"			PAW5000-06D
PAW5000-10					PAW5000-10D

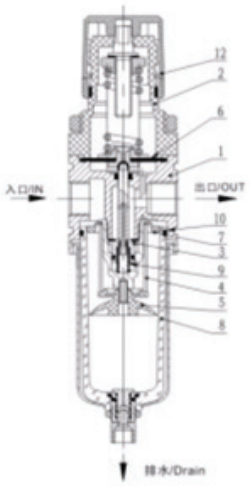
Note 1) There are 2 types auto drain for AW2000, pulsed type and lever type. "D" means normal auto drain, pulsed type; 'D2" means lever type auto drain. For Example: PAW2000-0202. The normal auto drain for PAW3000-PAW5000 is lever type, but the float type auto drain is available for choose. Please check the details from AUTO DRAIN.

Note 2) Under the circumstance that the supply pressure is 7.1 Kg/sq.cm and set pressure is 5.1 Kg/sq.cm

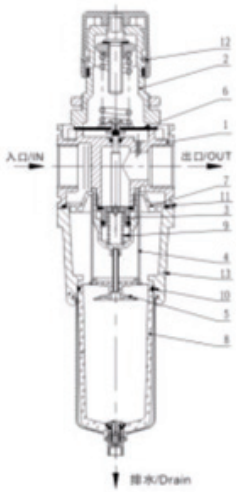
Note 3) RC, NPT thread are available.



PAW1000 - 2000



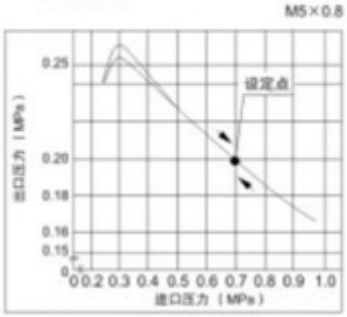
PAW3000 - 4000



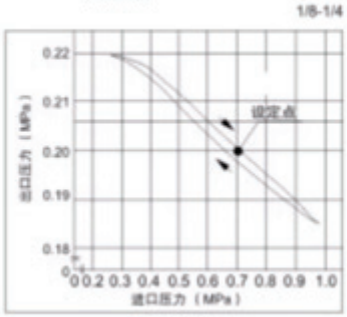
PAW5000

SL.NO	DENOMINATION	MATERIAL		
		PAW1000	PAW2000 - 4000	PAW4000-5000
1	Valve Body	Zinc Die Casting	Aluminium Die Casting	
2	Valve Cover	Reinforced Nylon		Aluminium Die Casting
3	Valve Core Assembly	Brass, Rubber		
4	Filter Element	Brass		
5	Drain Board	ABS		
6	Film	Rubber		
7	Whirl Wind Blade	ABS		
8	Water Storage Cup	Poly Carbonate (Cold Rolled Sheet)		
9	Spring	Stainless Steel		
10	O Ring	Rubber		
11	O Ring	Rubber		
12	Hand Wheel	Reinforced Nylon		
13	Middle Part	Aluminium Die Casting		

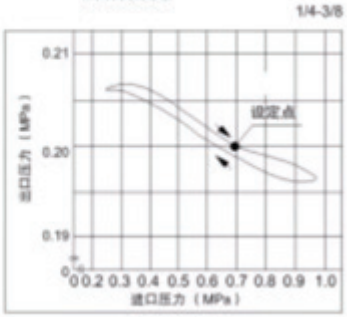
PAW1000



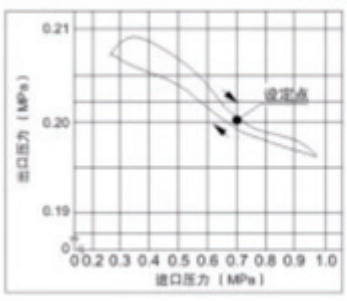
PAW2000



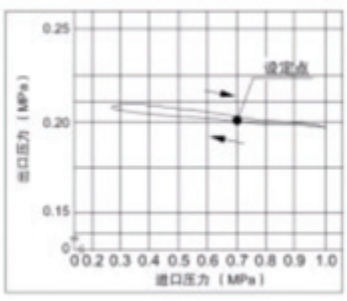
PAW3000



PAW4000



PAW4000-06



Inlet Pressure P1 = 7.0 Kg/sq.cm

Outlet Pressure P2 = 2.0 Kg/sq.cm

Rate of Flow Q=20 L/Min (ANR)