

PLACKA LARGE SIZE PRESSURE REGULATOR (PAR 825-925)



Your air-actuated instrument and equipment work at their best for a long period when you feed with clean and dry air at a constant prescribed pressure. PLACKA LARGE SIZE PRESSURE REGULATOR are a series of regulators are large size pressure regulators designed to maintain a stable output pressure in compressed air systems. Series regulators are large size pressure regulators designed to maintain a stable output pressure in compressed air system, in ensuring efficient air pressure control for various applications.

SALIENT FEATURES

Ensured Pressure Resistance	:	15 kg/cm ²
Highest Working Pressure	:	10 kg/cm ²
Ambient and Fluid Temperature	:	5 to 60°C
Pressure Regulating Range	:	0.5-8.5 kg/cm ²
Valve Type	:	Overflow
Model Variants	:	PAR825-14 and PAR925-20
Nominal Flow (L/min)	:	PAR825-14 has 18000 L/min, PAR925-20 has 22000 L/min
Port Size	:	PAR825-14 uses 1 1/2 inch, PAR925-20 uses 2 inch
Gauge Port Size	:	Both models use 1/4 inch gauge ports
Weight	:	PAR825-14 weighs 8.3 kg, PAR925-20 weighs 8.6 kg
Bracket and Gauge	:	Optional accessories

OPERATION

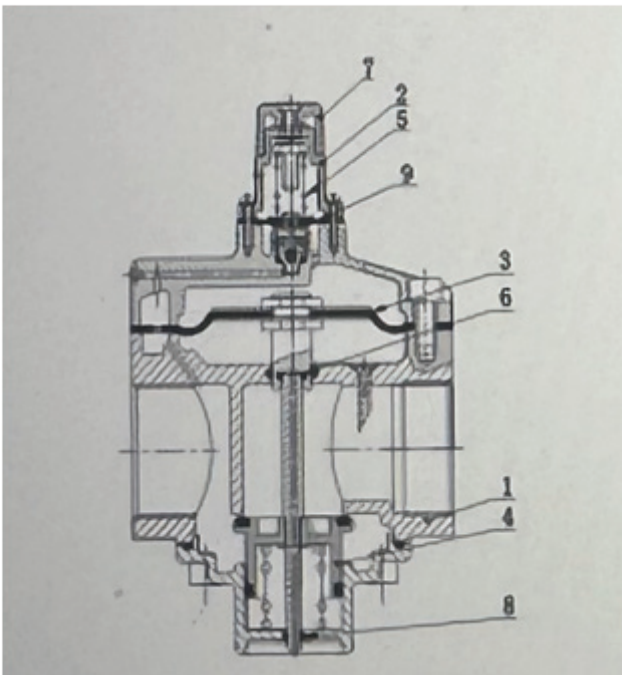
A pressure regulator maintains a consistent output pressure despite variations in input pressure and flow demand. It comprises an inlet port, outlet port, valve, diaphragm, spring, and adjustment screw. The fluid enters through the inlet port at high pressure and flows to the valve mechanism. The diaphragm, connected to the valve, senses the outlet pressure and adjusts the valve's position accordingly. If the outlet pressure drops, the spring pushes the diaphragm to open the valve, allowing more fluid to pass through. Conversely, if the outlet pressure increases, the diaphragm moves to close the valve, reducing the fluid flow. The adjustment screw sets the desired outlet pressure by altering the spring tension, ensuring the output remains stable and within the specified range.

SPECIFICATIONS

Ensured Pressure Resistance	15 Kg/sq.cm
Highest Working Pressure	10 Kg/sq.cm
Temperature	5 - 600 C
Pressure Regulating Range	0.5 - 8.5 Kg/sq.cm.
Valve Type	With Over Flow

Model No	Rated Flow (L/min)	Port Size (G)	Pressure Gauge Size	Weight (Kg)
PAR825 - 14	18000	1 1/2"	1/4"	2.5
PAR925 - 20	22000	2"	1/4"	3.1

STRUCTURAL DIAGRAM



MAIN PARTS

Sl.no	Denomination	Material
		PAR825 - 925
1	Vale Body	Aluminium Die Casting
2	Bonnet	Aluminium Die Casting
3	Film	Rubber
4	Valve Core	Brass - Rubber
5	Spring	Stainless Steel
6	O Ring	Rubber
7	Hand Wheel	Enhanced Nylon
8	O Ring	Rubber
9	Film	Rubber