Pressure Regulators For Gas Cylinders Used In Welding, Cutting And Related Processes Confirming To IS: 6901 & 950 - 2503


Suitable for Shopfloor or Outdoor, Welding, Cutting, Heating, Brazing

A Product of Advanced Technology
IMPROVED DESIGN, MANUFACTURED AND TESTED AS PER IS: 6901 FOR LONG AND TROUBLE FREE SERVICE

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GAS PRESSURE REGULATORS CONFIRMING TO IS: 6901

- Two Stage Regulator, the high pressure of the gas in a cylinder is reduced to the required working pressure in two stages. The first stage reduction is obtained automatically to pre-set level. In the second stage, the pressure can be further reduced to the required working pressure by a pressure adjusting screw. An outlet pressure gauge and inlet pressure gauge are provided. Here, the outlet pressure and flow remains steady throughout the period of operation irrespective of the cylinder contents.

- Single Stage Regulator, the high pressure of the gas in a cylinder is reduced to the required working pressure by a adjusting screw and provided with outlet and inlet pressure gauges as well as with only one pressure gauge to show the inlet pressure.

SAFETY FEATURES AND PRODUCT IMPROVEMENTS:

Forged Brass Body: 
Hydraulically tested at pressure 300 kgf/cm² to prevent dangerous bursting.

Safety relief valve:
Ensure prevention of dangerous pressure built up.

Safety Diaphragm:
Backing up the safety relief valve, it bursts in case of excess pressure built in.

Super Tough Bonnet:
i) Ensure longer life.
ii) Provided with relief hole to prevent accidental incident, if leakage occurs inside the regulator.

Improved Valves & Valve Seats:
i) Guarantee accuracy of pressure & constant gas flow.
ii) Ensure longer life & trouble free service.

Safety Filter:
Dust proof sintered metal filter protects against flame ignition.

PRESSURE & FLOW CHARACTERISTICS OF REGULATOR

<table>
<thead>
<tr>
<th>TYPE OF REGULATORS</th>
<th>RATED INLET PRESSURE (P₁) Max in Kgf./cm²</th>
<th>RATED OUTLET PRESSURE (P₂) Max in Kgf./cm²</th>
<th>STANDARD DISCHARGE Max (Q₁) in Cu.m./hr.</th>
<th>MAXIMUM DISCHARGE Max (Q₂ Max) in Cu.m./hr.</th>
<th>CO-EFFICIENT OF PRESSURE (R)</th>
<th>IRREGULARITY CO-EFFICIENT (I)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two Stage Oxygen Regulator</td>
<td>200</td>
<td>8</td>
<td>25 ± 25%</td>
<td>25 ± 25%</td>
<td>0.3 Max</td>
<td>-0.3 ± 0.3</td>
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</tr>
<tr>
<td>Two Stage Acetylene Regulator</td>
<td>30</td>
<td>1.5</td>
<td>2.5 ± 25%</td>
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Note: 1) Pressure & Flow Characteristics of Regulator - Oxy, Helium, H₂, CO₂, Zero Air, N₂, are same.
2) Pressure & Flow Characteristics of Regulator - Acetylene, LPG, Propane, are same.
3) Inlet / Outlet Pressure & Flow Characteristics of Regulator can be changed as per customer demand.

IN VIEW OF CONTINUOUS DEVELOPMENT, WE RESERVE THE RIGHT TO MODIFY THE DESIGN AND/OR DIMENSIONS WITHOUT NOTICE.