

# SG 9200

## LOW DELIVERY REGULATOR



This two-stage regulator is recommended for use with non-corrosive gases in applications where an ultra-low delivery pressure is required.

It maintains an accurate delivery pressure over the life of the cylinder. The two-stage design limits the variations in the outlet pressure to 0.03 psig for every 100 psig of inlet pressure decay. Made of durable, long-lasting forged brass this regulator is perfect for non-corrosive, ultra-low delivery pressure gases. A needle valve is included on the outlet.

## FEATURES

- Large Surface Area Elastomeric diaphragm: provides a precise pressure control from full cylinder to empty
- One piece encapsulated seat design includes a sintered filter: will protect the seat from particles and extend the service life
- Unique delivery gauge: provides a 0.1 psi graduation
- Inter-stage relief valve: protects the second stage of the regulator from over-pressurization

## MATERIALS

|                       |                                       |
|-----------------------|---------------------------------------|
| <b>Body</b>           | Brass                                 |
| <b>Bonnet</b>         | Brass                                 |
| <b>Diaphragm</b>      | 1st Stage PTFE,<br>2nd Stage Neoprene |
| <b>Gauges</b>         | 2 1/2" Brass                          |
| <b>Filter</b>         | Sintered Brass                        |
| <b>Valve Stem</b>     | Brass                                 |
| <b>Valve Spring</b>   | 302 Stainless Steel                   |
| <b>1st Stage Seat</b> | PTFE                                  |
| <b>2nd Stage Seat</b> | Neoprene                              |

## SPECIFICATIONS

|  |   |
|--|---|
| <b>Maximum Rated Inlet Pressure:</b><br>3000 psig                | <b>Designed Leak Rate:</b><br>Bubble-Tight (Helium) |
| <b>Outlet Pressure Ranges:</b><br>0.06 - 2 PSIG<br>0.06 - 6 PSIG | <b>Weight:</b><br>5 lbs                             |
| <b>Flow Capacity:</b><br>Cv = 0.06                               | <b>Ports (5):</b><br>1/4" FNPT                      |
| <b>Ambient Operating Temperature:</b><br>-20° F to +140°F        | <b>Outlet:</b><br>1/4" NPT male                     |

## ORDERING INFORMATION

**Decay Inlet Characteristic:** 0.03 / 100 psi

| PART NO. | GAS       | MODEL NUMBER | DELIVERY PRESSURE | INLET CGA FITTING |
|----------|-----------|--------------|-------------------|-------------------|
| 3302314  | CO2       | 9200NC-2-320 | 0-2               | 320               |
| 3302293  | Flammable | 9200NC-2-350 | 0-2               | 350               |
| 3302292  | Inert     | 9200NC-2-580 | 0-2               | 580               |
| 3392314  | Ind Air   | 9200NC-2-590 | 0-2               | 590               |
| 3302315  | CO2       | 9200NC-6-320 | 0-6               | 320               |
| 3302316  | Flammable | 9200NC-6-350 | 0-6               | 350               |
| 3302317  | Inert     | 9200NC-6-580 | 0-6               | 580               |
| 3302318  | Ind Air   | 9200NC-6-590 | 0-6               | 590               |