



RS-2-4

RS SERIES MEDIUM DUTY, SINGLE STAGE REGULATORS

RS Series models utilize Western's "pressure compensated" (COMP1™) design. For applications that require high flow rates, this design provides more consistent delivery pressure by minimizing fluctuation over a wide range of inlet pressures. These regulators are appropriate for industrial/welding, laboratory and general use applications. Certain models feature a 1/4" NPT outlet connection for high pressure applications.

FEATURES AND SPECIFICATIONS:

- Machined brass body resists corrosion
- 2" reinforced neoprene diaphragm
- 450 PSIG models have KEL-F® seat to accommodate high pressure applications
- Dual inlet filter system extends regulator life
- Hydrogen and methane models equipped with pipe away relief valves
- Most models include self re-seating pressure relief valve (except for RS-1-1, RS-1A-1, RS-10-2)
- Nickel chrome plated zinc bonnet
- Large 2" gauges with easy to read gradients
- Weight: 3 lbs.
- Three year warranty
- Most models U.L. listed
- Made in the U.S.A.

MODEL SELECTION GUIDE

| MODEL | CGA INLET/ GAS SERVICE | DELIVERY PRESSURE RANGE PSIG | MAXIMUM FLOW SCFH | INLET PRESSURE PSIG | OUTLET CONNECTION |
|------------|---------------------------|------------------------------------|-------------------------|---------------------------|----------------------|
| ▲ *RS-1-1 | 510 Acetylene | 0-15 | 420 | 0-400 | 9/16"-18 LH M |
| ▲ *RS-1A-1 | 300 Acetylene | 0-15 | 420 | 0-400 | 9/16"-18 LH M |
| *RS-2-3 | 346 Air | 0-80 | 3000 | 0-3000 | 9/16"-18 RH M |
| *RS-2-4 | 346 Air | 0-180 | 6500 | 0-3000 | 1/4" NPT F |
| RS-2-4H | 346 Air | 0-180 | 6500 | 0-3000 | 1/4" NPT F |
| RS-2-4HV | 346 Air | 0-180 | 6500 | 0-3000 | 1/4" NPT M |
| RS-2-5 | 346 Air | 0-450 | 10,000 | 0-3000 | 1/4" NPT F |
| *RS-4-3 | 320 Carbon Dioxide | 0-80 | 2200 | 0-3000 | 9/16"-18 RH M |
| *RS-4-4 | 320 Carbon Dioxide | 0-180 | 5000 | 0-3000 | 9/16"-18 RH M |
| *RS-6-3 | 350 Hydrogen, Methane | 0-80 | 12,880 | 0-3000 | 9/16"-18 LH M |
| *RS-6-4 | 350 Hydrogen, Methane | 0-180 | 28,400 | 0-3000 | 9/16"-18 LH M |
| *RS-7-2 | 580 Inert Gases | 0-45 | 1400 | 0-3000 | 9/16"-18 RH M |
| *RS-7-3 | 580 Inert Gases | 0-80 | 3430 | 0-3000 | 9/16"-18 RH M |
| *RS-7-4 | 580 Inert Gases | 0-180 | 7570 | 0-3000 | 9/16"-18 RH M |
| RS-7-5 | 580 Inert Gases | 0-450 | 8500 | 0-3000 | 1/4" NPT F |
| *RS-8-3 | 326 Nitrous Oxide | 0-80 | 2200 | 0-3000 | 9/16"-18 RH M |
| *RS-8-4 | 326 Nitrous Oxide | 0-180 | 5000 | 0-3000 | 9/16"-18 RH M |
| *RS-9-3 | 540 Oxygen | 0-80 | 3230 | 0-3000 | 9/16"-18 RH M |
| *RS-9-4 | 540 Oxygen | 0-180 | 7100 | 0-3000 | 9/16"-18 RH M |
| RS-9-5 | 540 Oxygen | 0-450 | 7900 | 0-3000 | 1/4" NPT F |
| ▲ *RS-10-2 | 510 Liquefied Fuel Gases | 0-45 | 1380 | 0-3000 | 9/16"-18 LH M |

* UL Listed

▲ Do not have self-reseating pressure relief valve

COMMON REPLACEMENT PARTS

| MODEL | INLET NUT | INLET NIPPLE | REPAIR KIT | INLET GAUGE | DELIVERY GAUGE |
|----------|--------------|-----------------|------------|----------------|-------------------|
| RS-1-1 | 15-2 | 15-3SF | RK-1010 | G-2-400W | G-2-30RLW |
| RS-1A-1 | 16-2 | 16-8SF | RK-1010 | G-2-400W | G-2-30RLW |
| RS-2-3 | 14-2 | 14-3SF | RK-1010 | G-2-4000W | G-2-200W |
| RS-2-4 | 14-2 | 14-3SF | RK-1022 | G-2-4000W | G-2-200W |
| RS-2-4H | 614-2P | 614-5 | RK-1022 | G-2-4000W | G-2-200W |
| RS-2-4HV | 614-2P | 614-5 | RK-1022 | G-2-4000W | G-2-200W |
| RS-2-5 | 14-2 | 14-3SF | RK-1076 | G-2-4000W | G-2-600W |
| RS-4-3 | CO-2 | CO-4SF | RK-1010 | G-2-4000W | G-2-200W |
| RS-4-4 | CO-2 | CO-4SF | RK-1022 | G-2-4000W | G-2-200W |
| RS-6-3 | 82 | 87-SF | RK-1010 | G-2-4000W | G-2-200W |
| RS-6-4 | 82 | 87-SF | RK-1022 | G-2-4000W | G-2-200W |
| RS-7-2 | 92 | 15-3SF | RK-1010 | G-2-4000W | G-2-100W |
| RS-7-3 | 92 | 15-3SF | RK-1010 | G-2-4000W | G-2-200W |
| RS-7-4 | 92 | 15-3SF | RK-1022 | G-2-4000W | G-2-200W |
| RS-7-5 | 92 | 15-3SF | RK-1076 | G-2-4000W | G-2-600W |
| RS-8-3 | 13-2 | 13-3SF | RK-1010 | G-2-4000W | G-2-200W |
| RS-8-4 | 13-2 | 13-3SF | RK-1022 | G-2-4000W | G-2-200W |
| RS-9-3 | 62 | 66-SF | RK-1010 | G-2-4000W | G-2-200W |
| RS-9-4 | 62 | 66-SF | RK-1022 | G-2-4000W | G-2-200W |
| RS-9-5 | 62 | 66-SF | RK-1076 | G-2-4000W | G-2-600W |
| RS-10-2 | 15-2 | 15-3SF | RK-1010 | G-2-600W | G-2-100W |

H = handtight

HV = handtight with valve