

**RC SERIES HEAVY DUTY, SINGLE STAGE,
CARTRIDGE STYLE REGULATORS**

RC Series models utilize Western's "pressure compensated" COMP1™ design. For applications that require high flow rates, this design provides more consistent delivery pressures by minimizing fluctuation over a wide range of inlet pressure. The unique cartridge design allows for fast, easy replacement of vital parts (seat, nozzle, filter, spring, and seals) without breaking the diaphragm-to-bonnet seal. No special tools are required. These heavy duty regulators are designed to provide high flow rates to meet the requirements of the most demanding cutting, welding, and heating jobs.



RC-9-3

FEATURES AND SPECIFICATIONS:

- Machined brass body resists corrosion
- 2-3/4" reinforced neoprene diaphragm
- Self re-seating relief valves in most models protect against over-pressurization (except for RC-1-1, RC-1A-1, RC-10-2)
- Dual inlet filtering system extends regulator life
- Large 2-1/2" gauges with easy to read gradients
- Hydrogen and methane models equipped with pipe away relief valves
- Replaceable Delrin® thrust bushing for easy adjustment
- Weight: 4 lbs. 8oz.
- Size: (5-1/4"l, 7-11/16"w, 7"h)
- Three year warranty
- 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
▲ RC-1-1	510 Acetylene	0-15	1150	0-400	9/16"-18 LH M
▲ RC-1A-1	300 Acetylene	0-15	1150	0-400	9/16"-18 LH M
RC-2-3	346 Compressed Air	0-100	4950	0-3000	9/16"-18 RH M
RC-2-4	346 Compressed Air	0-160	5290	0-3000	9/16"-18 RH M
RC-4-3	320 Carbon Dioxide	0-100	4860	0-3000	9/16"-18 RH M
RC-6-4	350 Hydrogen, Methane	0-160	26,530	0-3000	9/16"-18 LH M
RC-7-3	580 Inert Gases	0-100	6060 (N ₂)	0-3000	9/16"-18 RH M
RC-7-4	580 Inert Gases	0-160	7070 (N ₂)	0-3000	9/16"-18 RH M
RC-9-3	540 Oxygen	0-100	5700	0-3000	9/16"-18 RH M
RC-9-4	540 Oxygen	0-160	6650	0-3000	9/16"-18 RH M
▲ RC-10-2	510 Liquefied Fuel Gases	0-45	1620	0-400	9/16"-18 LH M

▲ Do not have self re-seating pressure relief valve

COMMON REPLACEMENT PARTS

MODEL	INLET NUT	INLET NIPPLE	REPLACEMENT CARTRIDGE	INLET GAUGE	DELIVERY GAUGE
RC-1-1	15-2	15-3SF	RWC-3-59	G-25-400W	G-25-30RLW
RC-1A-1	16-2	16-8SF	RWC-3-59	G-25-400W	G-25-30RLW
RC-2-3	14-2	14-4SF	RWC-3-49	G-25-4000W	G-25-200W
RC-2-4	14-2	14-4SF	RWC-3-49	G-25-4000W	G-25-200W
RC-4-3	CO-2	CO-4SF	RWC-3-49	G-25-3000W	G-25-200W
RC-6-4	82	87-SF	RWC-3-49	G-25-4000W	G-25-200W
RC-7-3	92	15-3SF	RWC-3-49	G-25-4000W	G-25-200W
RC-7-4	92	15-3SF	RWC-3-49	G-25-4000W	G-25-200W
RC-9-3	62	66-SF	RWC-3-49	G-25-4000W	G-25-200W
RC-9-4	62	66-SF	RWC-3-49	G-25-4000W	G-25-200W
RC-10-2	15-2	15-3SF	RWC-3-59	G-25-400W	G-25-100W

RD SERIES HEAVY DUTY, TWO STAGE REGULATORS

RD Series models are designed for applications where constant delivery pressure is critical. The two-stage design provides precise uniformity of delivery pressure to meet the most exacting requirements. In addition to industrial use, these regulators are appropriate for laboratory applications and general use.

FEATURES AND SPECIFICATIONS:

- Heavy duty forged brass body and bonnet resists corrosion and leaks
- Large 2-3/4" neoprene diaphragm provides highly sensitive regulation
- Durable neoprene seat assembly
- Dual inlet filtering system extends regulator life
- Large 2-1/2" gauges have easy to read gradients
- Dual safety relief valves protects against over-pressurization
- Hydrogen and methane gas models equipped with pipe away relief valves for safety
- Replaceable Delrin® thrust bushing allows for easy adjustments
- Weight: 4lbs. 14oz.
- Three year warranty
- 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
RD-1-1	510 Acetylene	0-15	800	0-400	9/16"-18 LH M
RD-1A-1	300 Acetylene	0-15	800	0-400	9/16"-18 LH M
RD-2-3	346 Compressed Air	0-100	2,600	0-3000	9/16"-18 RH M
RD-2-4	346 Compressed Air	0-160	2700	0-3000	9/16"-18 RH M
RD-4-3	320 Carbon Dioxide	0-100	3178	0-3000	9/16"-18 RH M
RD-6-3	350 Hydrogen, Methane	0-100	14,800	0-3000	9/16"-18 LH M
RD-6-4	350 Hydrogen, Methane	0-160	16,000	0-3000	9/16"-18 LH M
RD-7-3	580 Inert Gases	0-100	3950 (N ₂)	0-3000	9/16"-18 RH M
RD-7-4	580 Inert Gases	0-160	4300 (N ₂)	0-3000	9/16"-18 RH M
RD-9-3	540 Oxygen	0-100	3710	0-3000	9/16"-18 RH M
RD-9-4	540 Oxygen	0-160	4060	0-3000	9/16"-18 RH M
RD-10-2	510 Liquefied Fuel Gases	0-45	1140	0-400	9/16"-18 LH M

COMMON REPLACEMENT PARTS

MODEL	INLET NUT	INLET NIPPLE	REPAIR KIT	INLET GAUGE	DELIVERY GAUGE
RD-1-1	15-2	15-3SF	RK-1030	G-25-400W	G-25-30RLW
RD-1A-1	16-2	16-8SF	RK-1030	G-25-400W	G-25-30RLW
RD-2-3	14-2	14-3SF	RK-1030	G-25-4000W	G-25-200W
RD-2-4	14-2	14-3SF	RK-1030	G-25-4000W	G-25-200W
RD-4-3	CO-2	CO-4SF	RK-1030	G-25-3000W	G-25-200W
RD-6-3	82	87-SF	RK-1030	G-25-4000W	G-25-200W
RD-6-4	82	87-SF	RK-1030	G-25-4000W	G-25-200W
RD-7-3	92	15-3SF	RK-1030	G-25-4000W	G-25-200W
RD-7-4	92	15-3SF	RK-1030	G-25-4000W	G-25-200W
RD-9-3	62	66-SF	RK-1030	G-25-4000W	G-25-200W
RD-9-4	62	66-SF	RK-1030	G-25-4000W	G-25-200W
RD-10-2	15-2	15-3SF	RK-1030	G-25-400W	G-25-100W