

**RS SERIES HIGH DELIVERY PRESSURE  
REGULATORS (PISTON STYLE)**

RS Series models feature a compact, reliable piston design and are recommended for applications requiring high delivery pressures, up to 2000 PSIG. These regulators provide precision operation under the most demanding conditions. When installed with a Stage1™ high-pressure stem regulator (see page 26), RS models are appropriate for use with high pressure cylinders (up to 6000 PSIG).

**FEATURES AND SPECIFICATIONS:**

- Machined brass body and bonnet resists corrosion and extends service life
- Dependable brass piston design
- Large 2-1/2" gauges with easy to read gradients
- KEL-F™ seat assembly withstands high service pressures
- Dual inlet filtering extends regulator life
- 1/4 " NPT female outlet, 180° opposed to inlet
- Inlet pressures up to 3000 PSIG standard, upgradeable to 6000 PSIG by combining with a STAGE 1™ regulator (see page 26)
- Weight: 4lbs. 8oz.
- Size: (6-1/2", 7"w, 5-1/2"h)
- Three year warranty
- Made in the U.S.A.



**RS SERIES HIGH DELIVERY PRESSURE REGULATOR (PISTON STYLE)**

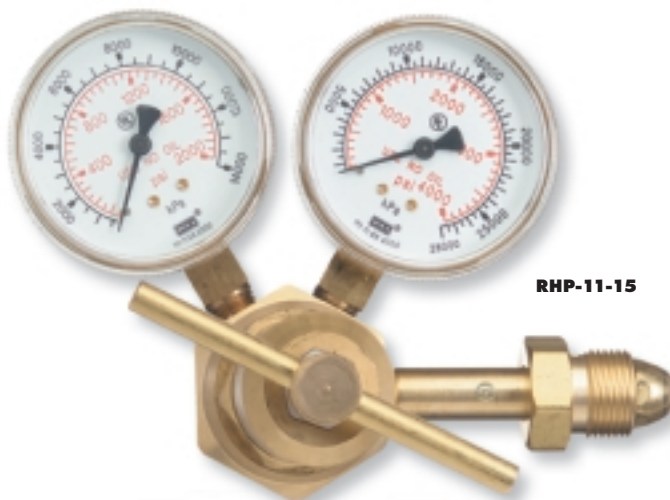
MODEL	CGA INLET/ GAS SERVICE	DELIVERY PRESSURE RANGE PSIG	MAXIMUM FLOW scFH	OUTLET CONNECTIONS
RS-9-15	540 Oxygen	0-1500	2500	1/4" NPT F
RS-9-20	540 Oxygen	0-2000	2800	1/4" NPT F
RS-11-15	580 Inert	0-1500	2550 (N <sub>2</sub> )	1/4" NPT F
RS-11-20	580 Inert	0-2000	2850 (N <sub>2</sub> )	1/4" NPT F

**COMMON REPAIR PARTS**

MODEL	INLET NUT	INLET NIPPLE	REPAIR KIT	INLET GAUGE	DELIVERY GAUGE
RS-9-15	62	69-SF	RK-1162	G-25-4000W	G-25-2000W
RS-9-20	62	69-SF	RK-1163	G-25-4000W	G-25-3000W
RS-11-15	92	15-4SF	RK-1162	G-25-4000W	G-25-2000W
RS-11-20	92	15-4SF	RK-1163	G-25-4000W	G-25-3000W



**RHP-2-4**



**RHP-11-15**

### **RHP SERIES HIGH INLET/HIGH DELIVERY PRESSURE REGULATOR**

RHP Series regulators are designed for use with high pressure cylinders (up to 6000 PSIG) and are capable of delivering up to 4500 PSIG. Select models include a delivery flow gauge or flowmeter for MIG and TIG applications. Certain models feature 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.

#### **FEATURES AND SPECIFICATIONS:**

- Diaphragm models feature a machined brass body with nickel chrome plated bonnet for exceptional service life
- Piston models constructed with a durable all-brass body
- KEL-F™ seat assembly withstands high service pressures
- Re-seating relief valve protects against over-pressurization
- Dual safety relief valves and dual inlet filtering extends regulator life
- Low friction, replaceable Delrin® thrust bushing extends service life
- Large gauges are easy to read—2" gauges on diaphragm models and 2-1/2" gauges on piston models
- Weight: 3lbs.
- Size: (4-1/2"l, 7"w, 6"h)
- Three year warranty
- Made in the U.S.A.

**MODEL SELECTION GUIDE**

MODEL	STYLE	CGA INLET/ GAS SERVICE	DELIVERY PRESSURE RANGE PSIG	MAXIMUM FLOW scFH	OUTLET CONNECTIONS
RHP-2-4*	Diaphragm	347 Compressed Air	0-180	3200	1/4" NPT F
RHP-2-5*	Diaphragm	347 Compressed Air	0-450	3700	1/4" NPT F
RHP-2-15	Piston	347 Compressed Air	0-1500	2193	1/4" NPT F
RHP-2-20	Piston	347 Compressed Air	0-2000	2450	1/4" NPT F
RHP-2-30	Piston	347 Compressed Air	0-3000	2964	1/4" NPT F
RHP-2-45	Piston	347 Compressed Air	0-4500	3735	1/4" NPT F
RHP-2-4H	Diaphragm	347 Compressed Air	0-180	3200	1/4" NPT F
RHP-2-5H	Diaphragm	347 Compressed Air	0-450	3700	1/4" NPT F
RHP-3-FG	Diaphragm	680 Argon, Argon Mixes	N/A	10-60	9/16"-18 M & 5/8"-18 F
RHP-3-P	Diaphragm	680 Argon, Argon Mixes	N/A	0-70	9/16"-18 M & 5/8"-18 F
RHP-9-15	Piston	577 Oxygen	0-1500	2500	1/4" NPT F
RHP-9-20	Piston	577 Oxygen	0-2000	2800	1/4" NPT F
RHP-11-4*	Diaphragm	680 Inert	0-180	3260	1/4" NPT F
RHP-11-5*	Diaphragm	680 Inert	0-450	3770	1/4" NPT F
RHP-11-15	Piston	680 Inert	0-1500	2550	1/4" NPT F
RHP-11-20	Piston	680 Inert	0-2000	2850	1/4" NPT F
RHP-11-30	Piston	680 Inert	0-3000	3014	1/4" NPT F
RHP-11-45	Piston	680 Inert	0-4500	3798	1/4" NPT F

\* Indicates models with Western's COMP1™ seat design. (450 PSIG delivery and below).

**COMMON REPAIR PARTS**

MODEL	INLET NUT	INLET NIPPLE	REPAIR KIT	INLET GAUGE	DELIVERY GAUGE
RHP-2-4	347-2	347-3SF	RK-1156	G-2-6000W	G-2-200W
RHP-2-5	347-2	347-3SF	RK-1176	G-2-6000W	G-2-600W
RHP-2-15	347-2	347-3SF	RK-1162	G-2-6000W	G-2-4000W
RHP-2-20	347-2	347-3SF	RK-1163	G-2-6000W	G-2-4000W
RHP-2-30	347-2	347-3SF	RK-1164	G-2-6000W	G-2-4000W
RHP-2-45	347-2	347-3SF	RK-1172	G-2-6000W	G-2-6000W
RHP-2-4H	6347-2	6347-3SF	RK-1156	G-2-6000W	G-2-200W
RHP-2-5H	6347-2	6347-3SF	RK-1176	G-2-6000W	G-2600W
RHP-3-FG	680-2	680-3SF	RK-1156	G-2-6000W	G-2-F60W
RHP-3-P	680-2	680-3SF	RK-1156	G-2-6000W	N/A
RHP-9-15	577-2	577-4SF	RK-1162	G-2-6000W	G-2-4000W
RHP-9-20	577-2	577-4SF	RK-1163	G-2-6000W	G-2-4000W
RHP-11-4	680-2	680-3SF	RK-1156	G-2-6000W	G-2-200W
RHP-11-5	680-2	680-3SF	RK-1176	G-2-6000W	G-2-600W
RHP-11-15	680-2	680-3SF	RK-1162	G-2-6000W	G-2-4000W
RHP-11-20	680-2	680-3SF	RK-1163	G-2-6000W	G-2-4000W
RHP-11-30	680-2	680-3SF	RK-1168	G-2-6000W	G-2-4000W
RHP-11-45	680-2	680-3SF	RK-1172	G-2-6000W	G-2-6000W