BLUESHIELD™ SINGLE-STAGE CYLINDER REGULATORS

HEAVY-DUTY

104/114 SERIES

DESIGN FEATURES

CAPSULE SEAT ASSEMBLY

- PTFE Teflon® seat
- 4.8 mm orifice for high flow capacity
- 40 micron bronze filter protects seat from contamination, minimizes failures, and simplifies maintenance

FORGED BRASS BODY AND CHROME PLATED BONNET

- Rugged body construction
- Reduced weight due to bonnet material

STAINLESS STEEL DIAPHRAGM

- 64 mm (2.5") diameter convoluted diaphragm
- High leak integrity
- Sensitive over wide temperature range

64 MM (2.5") BRASS CASE GAUGES

- Excellent readability
- Colour coded for safety
- Dual scales in kPa and psi

CAPTIVE ADJUSTING KNOB

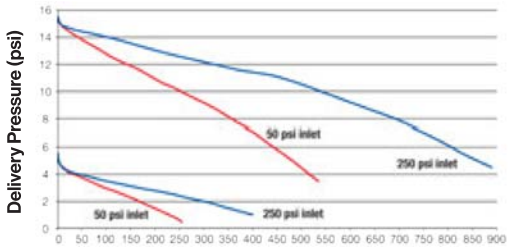
- Colour coding: red for gases fuels and green for oxygen

SELF-RESEATING RELIEF VALVE ON OXYGEN MODEL*

A NUMBER	MFG	GAS SERVICE	GAUGE SCALE				MAXIMUM INLET PRESSURE		MAX. DELIVERY PRESSURE		CGA CONNECTION	
			LOW PRESSURE		HIGH PRESSURE							
			KPA	PSIG	KPA	PSIG	KPA	PSIG	KPA	PSIG	INLET	OUTLET
A0358913	BLU-LPR114A410	Acetylene	200	30	2,800	400	2,755	400	100	15	410	023
A0358914	BLU-LPR114A510	Acetylene	200	30	2,800	400	2,755	400	100	15	510	023
A0359172	BLU-HPR104C540	Oxygen	1,400	200	28,000	4,000	20,685	3,000	830	120	540	022

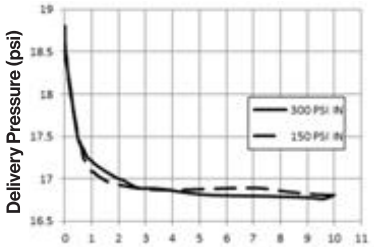
LPR114 SERIES

Flow Regulation Curves



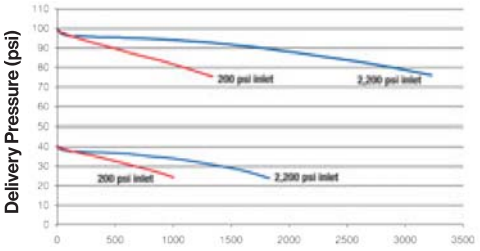
LPR114A SERIES

Flow Regulation Curves



HPR104 SERIES

Flow Regulation Curves



*** CAUTION:** Relief valves are not intended to protect downstream apparatus. Provide a separate, flow-rated relief device if downstream system cannot support full cylinder pressure.