



LELAND®

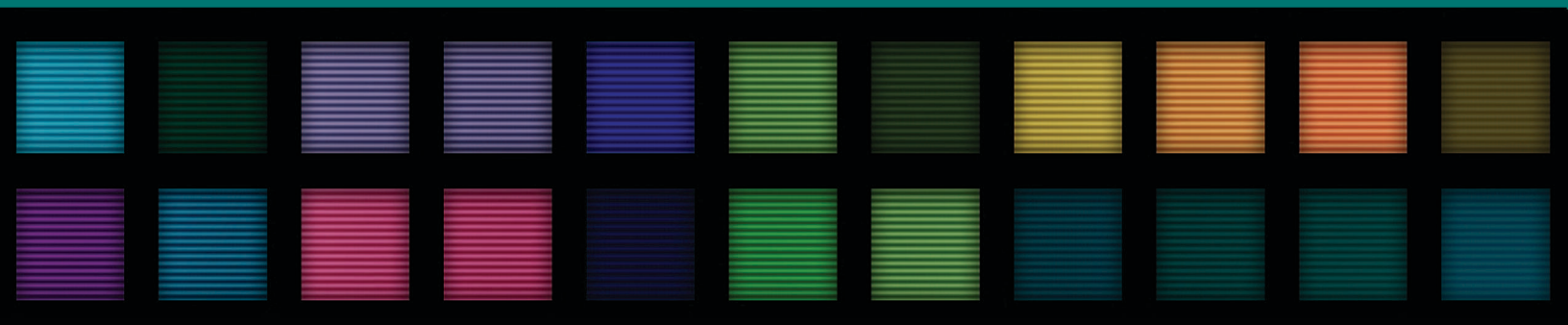
NR REGULATOR SERIES



HIGH PRESSURE GAS HANDLING EQUIPMENT

Specifically Designed To Be Used With

LELAND® Disposable Type Gas Filled Cylinders



Specifications and Characteristics

High pressure gases require safe and effective handling equipment designed for specific environments and ergonomic conditions. For over 40 years, LELAND® has provided aerospace, beverage and medical customers with pressure reducing valves for gases such as N₂, Ar, CO₂, N₂O, He, Air, and gas mixtures.

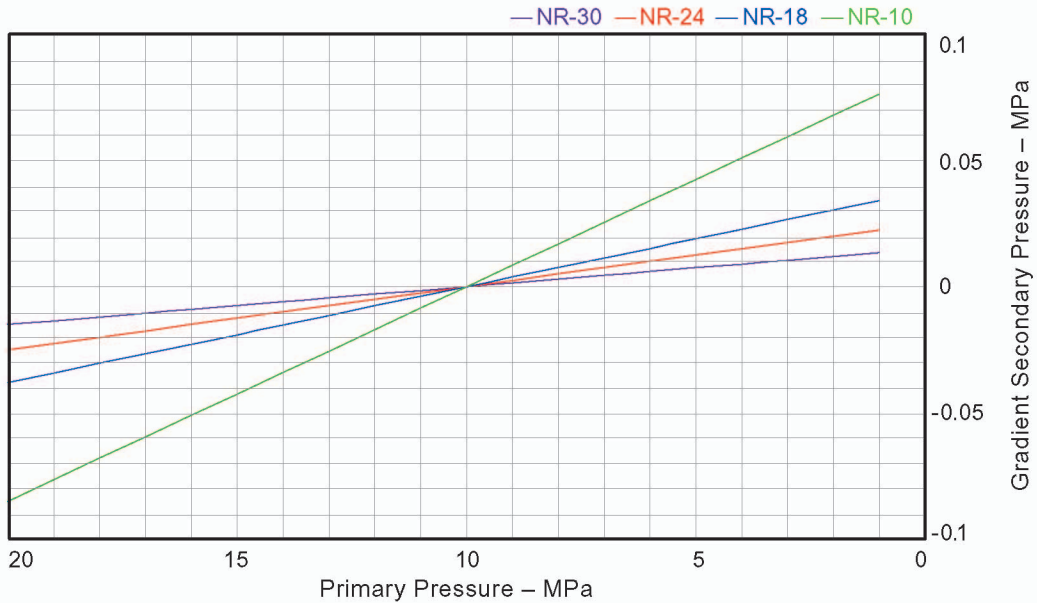
Now, outlet pressure is more accurately controlled in the NR-30 series and overall size has significantly decreased in the NR-10 series. But, safety of our gas handling regulating valves is set at the highest standard with most products having a primary pressure relief disc and a secondary pressure relief port.

When you hold one of our regulators in your hand, you can feel the quality and thought that went into the design and finish. All of these products are produced under ISO9001:2000 registration and LELAND® stands behind these with an unconditional warranty.

If your requirements are outside of the range of product possibilities shown here, please take a moment to contact us. Our Tech Team will be happy to assist you.

● PRESSURE CHARACTERISTIC (At No Flow)

This chart can quickly show you how accurate an NR-30 can be compared to other products





● Table 1 OUTLET PRESSURE RANGE (Standard)

Secondary pressure (MPa)		0.00	0.01	0.02	0.03	0.05	0.08	0.10	0.13	0.17	0.18	0.20	0.25	0.30	0.35	0.40	0.50	0.55	0.60	0.70	0.80	0.85	0.90	
Adjustable	NR-30																							
	NR-30																							
	NR-24																							
	NR-24																							
	NR-18																							
	NR-18																							
Preset	NR-30																							
	NR-24																							
	NR-18																							
	NR-10																							

● MEGAPASCAL (MPa) DEFINITION

A common metric unit of pressure or stress equal to one million pascals or one newton per square millimeter. One megapascal equals 10 bars or approximately 145.038 pounds per square inch (lb/in² or psi) or 20,885.5 pounds (10.443 U.S. tons) per square foot.

SPECIFICATION: ○ STANDARD △ OPTION			NR-30	NR-24	NR-18	NR-10	
							
MATERIAL (SURFACE TREATMENT)	BODY	Brass (Nickel plating)	△	○	○	○	
		Aluminum (White alumite)	○	○	/	/	
	DIAL	Brass (Nickel plating)			○		
CONFIGURATION	INLET PORT	5/8- 18UNF (Female)			○		
		1/2- 20UNF (Female)			△		
		3/8- 24UNF (Female)			/	○	
	OUTLET PORT	Rp 1/8 (ISO 7-1) Female			○		
		Under 1/8- 27NPT (Female)			△		
	PRESSURE GAUGE	Adjustable (0.2MPa or 0.5MPa)		○	○	/	/
Preset (0.2MPa or 0.5MPa)			/	/	/	/	
PRESSURE	SECONDARY PRESSURE	Adjustable			○	/	
		Preset			○	/	
	OUTLET PRESSURE RANGE (Table 1)	Adjustable (MPa)	0.03 ~ 0.08	0.03 ~ 0.08	0.05 ~ 0.13	0.1 ~ 0.3	/
			0.03 ~ 0.2	0.03 ~ 0.2	0.05 ~ 0.35	0.1 ~ 0.55	/
		Preset (MPa)	0.03 ~ 0.2	0.03 ~ 0.2	0.1 ~ 0.35	0.1 ~ 0.9	0.2 ~ 0.8
PRESSURE ACCURACY (1 to 19MPa)	Adjustable (+/- .MPa)					/	
	Preset (+/- .MPa)		0.02	0.03	0.05	0.1	
FLOW RATE		Maximum flow rate(L/ min or more)	15	15	15	15	
PROOF PRESSURE	PRIMARY	53MPa or more			○		
	SECONDARY	1.5MPa or more			○		
SAFETY DEVICE	PRIMARY	Rupture Disc 39 +/- 4 MPa			○	/	
		Fusible safety valve (test data 80~120°C)			/	○	
	SECONDARY	Secondary pressure ~ Approx.	~0.9	~0.9	~1.3	~1.3	
GAS		Inert gas (N ₂ , CO ₂ , Air, He)			○	CO ₂	
OPERATING INLET PRESSURE		1 to 19MPa			○	1 to 15	
OPERATING TEMPERATURE		0 to 40			○		
MASS (APPROX. g)	Brass	Adjustable	/	450	240	/	
		Preset	/	430	230	120(3/8-24UNF) 150(5/8-18UNF)	
	Aluminum	Adjustable	340	260	/	/	
		Preset	320	240	/	/	

65026 SERIES OF PUNCTURE DEVICES



Safely puncture 3/8"-24UNF, 1/2"-20UNF and 5/8"-18UNF threaded neck cylinders.
Outlets include 1/8" NPT and .305 tire. Mounted versions available



MOUNTING BRACKETS ARE
AVAILABLE FOR MOST MODELS



GAS DISPENSING VALVES
FOR MANY APPLICATIONS



LELAND[®]
Gas Technologies Since 1965.

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