

630 SERIES

HIGH PURITY TWO STAGE BRASS LECTURE BOTTLE REGULATORS



Distributed By:
Med-Tech Gases, Inc.
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These two stage regulators are ideal where precise delivery pressure is critical in low flow applications of non-corrosive gases. The slim design makes it ideal for lab application where space is a consideration. The design features included a stainless steel diaphragm in the second stage, brass piston first stage, capturable preset safety relief vent, sintered brass filters for added protection of internal components.



DESIGN FEATURES

- 1" 316 stainless steel diaphragm
- Large adjusting knob for easy yet precise control of pressure
- Monel filter
- 1-1/2" chrome plate gauges
- Built in capturable preset safety relief valve
- Rugged brass bar stock construction
- Plated body, bonnet and gauges for superior protection.

SPECIFICATIONS

Maximum Inlet Pressure	3000 PSIG
Outlet Pressure Ranges	0-15, 0-50, 0-100 PSIG
Temp. Operating Range	-20°F to +140°F
Ports (4)	1/8" FNPT & 1/4" FMPT
Inlet	1/4" FNPT
Outlet	1/4" FNPT
Design Leak Rate	1x10 ⁻⁴ ccs Helium
Flow Coefficient Cv	0.075
Inlet Decay Rate026/100 PSI
Weight	3 lbs.

MATERIALS OF CONSTRUCTION

Body	Electroless Nickel Plated Brass Brass Bar Stock
Bonnet	Electroless Nickel Plated Brass Brass Bar Stock
Seat	Teflon®
Seat Retainer	Brass
Valve Stem	316 Stainless Steel
Piston	Brass
Piston O-ring	Viton-A ^R
Diaphragm	316 Stainless Steel
Gauge	1-1/2" chrome plated steel
Filters	Monel
Outlet	1/4" FNPT

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OPTION 1:		OPTION 2:		OPTION 3:	
MODEL SERIES & OUTLET PRESSURE		OUTLET FITTINGS		CGA INLET FITTINGS	
631	10 PSIG	00	1/4" FNPT	00	1/4" FNPT
632	50 PSIG	20	Chrome Needle Valve with 1/4" MNPT outlet	02	CGA 320
633	100 PSIG	40	Chrome Needle Valve with 1/4" FNPT outlet	03	CGA 326
		41	Chrome Needle Valve with male 1/8" brass tube fitting	05	CGA 346
		42	Chrome Needle Valve with male 1/8" stainless steel tube fitting	06	CGA 350
		82	Nickel "B" fitting (9/16" - 18H)	08	CGA 540
				09	CGA 580
				10	CGA 590

To order additional inlet/outlet and accessories options which are available and sold separately; please see page 38-39 of this catalog.

ORDERING INFORMATION FOR 630 SERIES REGULATORS

Product Number	Max. Inlet Pressure PSIG	Max. Outlet Pressure PSIG	Inlet Gauge		Delivery Gauge	
			Range PSIG	Graduations PSIG	Range PSIG	Graduations PSIG
631	3000	10	0-3000	50	30" Hg 0-15	0.2
632	3000	50	0-3000	50	0-100	2
633	3000	100	0-3000	50	0-200	5

