

Incubator Regulator

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SPECIALTY REGULATORS

Description: This unique two stage-regulator is specifically design for CO₂ service to provide gas to incubators. The regulator may also be used for the nitrogen gas supply as well.

The two-stage design eliminates troublesome freezing when CO₂ is flowing due to the Jules Thompson effect. This regulator has a cartridge seat assembly to provide better flow characteristics and long life.



Specifications	
Maximum Rated Inlet Pressure	3500 psig
Outlet Pressure Ranges	0-25, 0-50 psig
Flow Capacity	Cv=0.19
Ambient Operating Temperature	-40° F to +165° F
Designed Leak Rate	Bubble Tight (helium)
Weight	4 LBS
Ports (4)	¼ " FNPT
Outlet	¼ " Hose Barb
Decay Inlet Characteristic	0.42/100 psi

Design Features

- Filtered seat**
For added gas stream purity and extended service life
- Large, Reinforced Diaphragms**
Provide precise pressure control
- Large, 2" Black Painted, Steel Case Gauges**
Dual Scale for easy pressure setting.
- Preset Safety Relief Valve**
Prevents excessive pressure buildup
- Brass Bar Stock Body**
Provides long-lasting good looks; will not tarnish

Materials

Body	Brass
Bonnet	Glass filled nylon
Seat	PFA
Diaphragm	Neoprene
Gauge	Steel painted case
Filters	Stainless steel and bronze

Ordering Information

Product Number	Gas Service	Material	MAWP	Outlet Pressure	Inlet Gauge	Outlet Gauge
Y12-200A320	CO ₂	Brass	3,500	25 psig	0-4,000 psig	0 – 30 psig
Y12-200B320	CO ₂	Brass	3,500	50 psig	0-4,000 psig	0 – 100 psig