



Model 2210 Series Miniature Dual-Stage Reliable Economy Regulator



Model 2213-590T shown. Part number SEQ2213590T

Features

- Low flow applications
- Long inlet connection
- Precise, stable delivery pressure, even as the supply pressure decreases
- Low internal volume promotes quick gas flow stabilization and purging
- Models are available for non-corrosive service
- Machined bar stock body, interstage, bonnet and piston eliminates porosity found in castings
- Several outlet configurations are available
- Integral inlet filter
- Compact size (1¼ in. diameter x 5 in. long regulator body)
- Extremely light weight

Description

MATHESON 2210 Series adjustable, miniature, dual-stage (first stage piston, second stage diaphragm) pressure reducing regulators, are designed for precise, low-flow gas delivery. Their compact, dual-stage design provides precise, stable delivery pressures even as the supply pressure decreases. MATHESON 2210 Series regulators control inlet pressures up to 3000 PSIG (206.84 bar) and have a flow capacity Cv of 0.04. The MATHESON 2210 Series regulators are available in a wide variety of configurations, making them ideal for use in labs, industrial monitors, disposable / transportable gas cylinders, and for the regulation of a broad range of media.

Applications

- Applications requiring high-purity gases and a compact regulator due to space limitations.

Design Features/Components

- High-purity plated brass barstock body
- High-purity 316 stainless steel diaphragm
- 1-1/2" inlet and delivery pressure gauges
- Porous metal filter protects seat from contaminants
- 3000 psig cylinder pressure gauge

Materials of Construction

Body options:	Nickel plated brass barstock
Bonnet:	6061-T6 aluminum / clear anodized
Piston (first stage):	SAE 360 brass
Diaphragm (second stage):	Elgiloy® (corrosion resistant alloy)
Piston seals:	Viton®
Valve seats:	Teflon®
Inlet filter:	40 micron sintered 316 stainless steel

Specifications

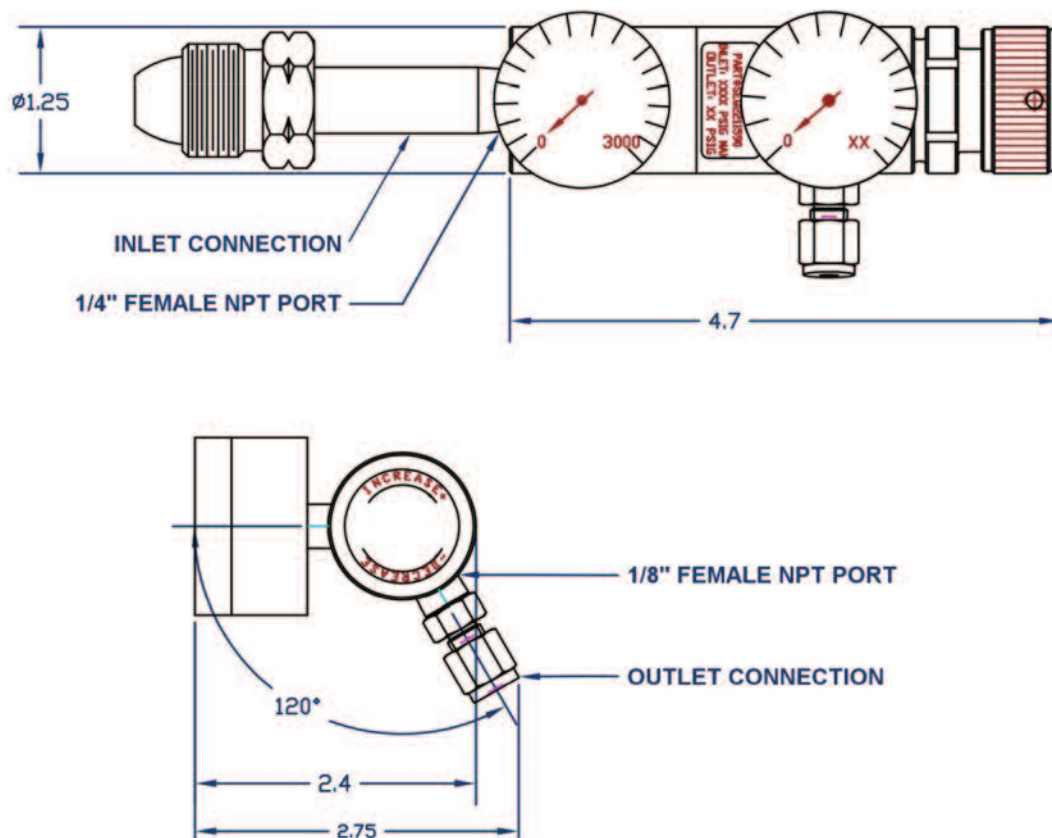
Maximum inlet pressure:	3000 psig (20,700 kPa)
Flow capacity (Cv):	0.04
Operating temperature:	-15°F to 140°F (-26°C to 60°C)
Inlet porting (regulator body):	1/4" NPT female
Outlet porting (regulator body):	1/8" NPT female
Gauge ports:	1/8" NPT female
Porting configuration:	2 High, 2 Low
Weight:	Approx. 1.5 lbs.



- Precise
- Stable
- High purity
- Compact
- Lightweight
- Long life



Model 2210 Series *(continued)* Miniature Dual-Stage Reliable Economy Regulator



Ordering Information

Part Number*	Outlet Connection	Delivery Pressure Range	Delivery Pressure Gauge	Inlet Pressure Gauge
SEQ2211CGA H	Hose barb	0-10 psig	0-15 psig	0-3000 psig
SEQ2213CGA H	Hose barb	0-50 psig	0-100 psig	0-3000 psig
SEQ2215CGA H	Hose barb	0-100 psig	0-160 psig	0-3000 psig
SEQ2211CGA T	1/8" Compression	0-10 psig	0-15 psig	0-3000 psig
SEQ2213CGA T	1/8" Compression	0-50 psig	0-100 psig	0-3000 psig
SEQ2215CGA T	1/8" Compression	0-100 psig	0-160 psig	0-3000 psig
SEQ2211CGA F	1/8" NPT female port	0-10 psig	0-15 psig	0-3000 psig
SEQ2213CGA F	1/8" NPT female port	0-50 psig	0-100 psig	0-3000 psig
SEQ2215CGA F	1/8" NPT female port	0-100 psig	0-160 psig	0-3000 psig

*Note: Where CGA is replaced with the actual CGA number. Available CGA inlet connections : C10, 170, 180, 320, 326, 346, 350, 510, 540, 580, 590, NI (no inlet)

Options

Hose barb	suitable for connecting to 1/8" ID soft tubing
1/8" Compression	suitable for connecting to 1/8" OD copper or stainless steel tubing
1/8" NPT female port	suitable for accepting 1/8" NPT male fittings