Model 3530A Series
Single-Stage High-Purity Brass Regulator

Description
High-purity regulators designed for analytical applications. Use with non-corrosive gases.

Applications
• Supply of carrier gas/detector support gas for a variety of gas chromatography applications *(see table below for details)*
• Supply of calibration standards to on-line process analyzers, emission monitoring systems, etc.

Design Features/Components
• High-purity chrome plated brass barstock body
• High-purity 316 stainless steel diaphragm
• Metal to metal seals minimize diffusion of contaminants
• 2-1/2" inlet and delivery pressure gauges
• Equipped with outlet diaphragm valve
• Bonnet ported and threaded to pipe gases away from work area
• 1/4" compression tube outlet connection
• 10 micron metal filter protects seat from contamination
• Panel mountable, front bonnet thread and back (10-32 UNF)
• Bonnet vent hole size: 1/8" NPTF

Materials of Construction
Gauges:	Chrome plated brass
Body:	Chrome plated brass barstock
Bonnet:	Chrome plated brass barstock
Diaphragm:	316 stainless steel
Seat:	Teflon
Seals:	Metal to metal

Specifications
Maximum Inlet Pressure:	3000 psig (20,700 kPa)
Maximum Flow Rate:	Model 3531A: 650 SCFH (305 SLPM)
(At 2000 psig, N_2)	Model 3536A: 3000 SCFH (1410 SLPM)
	Model 3537A: 1100 SCFH (517 SLPM)
	Model 3538A: 4500 SCFH (2115 SLPM)
	Model 3539A: 2400 SCFH (1128 SLPM)
Flow Capacity (Cv):	0.08
Operating Temperature:	-15°F to 140°F (-26°C to 60°C)
Porting (Regulator Body):	1/4" NPT Female
Porting Configuration:	3 High, 3 Low
Shipping Weight:	5 lbs

Gas Chromatography Detectors requiring the Single-Stage Model 3530 Series Regulator

Detector Type	Detection Level
Flame Ionization Detector (FID)	All levels
Thermal Conductivity Detector (TCD)	All levels
Nitrogen Phosphorus Detector (NPD)	All levels
Flame Photometric Detector (FPD)	All levels
Photoionization Detector (PID)	All levels
Helium Ionization Detector (HID)	All levels
Electrolytic Conductivity Detector (ELCD or Hall Detector)	Levels >50 ppm
Electron Capture Detector (ECD)	Levels >50 ppm

Ordering Information

Part Number*	Delivery Pressure Range	Delivery Pressure Gauge	Cylinder Pressure Gauge
SEQ3531ACGA	0-15 psig	30" vac-0-30 psig	0-4000 psig
SEQ3537ACGA	0-50 psig	30" vac-0-100 psig	0-4000 psig
SEQ3539ACGA	0-125 psig	30" vac-0-200 psig	0-4000 psig
SEQ3536ACGA	0-250 psig	0-400 psig	0-4000 psig
SEQ3538ACGA	0-500 psig	0-1000 psig	0-4000 psig

Note: For ordering, replace letters "CGA" with the valve outlet CGA number for the gas cylinder you are using. Some CGA limitations may apply.

Options

Part Number	Description
SEQ4753CGA	Tee Purge Assembly
SEQ4774CGA	Cross Purge Assembly
SEQADP0163BO	Bonnet Vent Adapter to 1/8" Hose
SEQCON0069SA	Bonnet Vent Adapter 1/4" TB x 1/8" MNPT
SEQPMK2N	Bonnet Panel Mounting Kit, 2 Nuts
SEQCON0070BO	Swagelok 1/4" Tube Fitting (Brass)
SEQMSP0012XX	Inboard Helium Leak Rate Certification
SEQMSP0013XX	Combination Inboard/Outboard Helium Leak Rate Certification