

D64 Matheson Gas Cylinder Single Stage Regulators

Model 3530 Series

Single Stage High Purity Brass Regulator



Design Features

- Brass Barstock construction
- Equipped with an outlet diaphragm valve
- Metal to metal seals throughout
- Bonnet threaded for panel mounting as standard
- Body pre-drilled for back mounting

The Model 3530 Series has been improved to meet the requirements of scientific instruments such as gas chromatographs. The Model 3530 Series has been upgraded to a higher purity, longer lived product design. These regulators provide high purity control for applications where the delivery pressure is monitored.

The Model 3530 Series regulators are recommended for use in applications where a slight pressure rise is acceptable due to declining cylinder pressure as gas is withdrawn. The Model 3530 Series is compatible with gases that are non-corrosive in nature and gases that are compatible with the materials in the process stream.

Materials of Construction

Body:	B16 Brass Barstock
Bonnets:	Nickel Plated Brass
Diaphragms:	316 Stainless Steel
Seats:	PFA PTFE
Seals:	Metal to Metal

Specifications

Maximum Inlet Pressure:	3000 psig (20,700 kPa)
Maximum flow Rate: (At 2500 psig, N2):	Model 3537: 215 CFH (95 LPM) Model 3538: 215 CFH (95 LPM) Model 3539: 215 CFH (95 LPM)
Flow Coefficient (Cv):	0.06
Operating Temperature:	-40 to 165°F (-40 to 74°C)
Porting:	1/4" NPT female
Porting Configuration:	2 high, 2 low

Part Number	Delivery Pressure Range	Delivery Pressure Gauge	Cylinder Pressure Gauge
3537 (specify CGA)	2-30 psig	30" vac-0-60	0-3000 psig
3538 (specify CGA)	2-30 psig	30" vac-0-60	0-1000 psig
3539 (specify CGA)	4-100 psig	30" vac-0-200	0-3000 psig
3536 (specify CGA)	10-250 psig	30" vac-0-400	0-3000 psig

*Specify CGA fitting when ordering all regulators.

Model 3510 Series

Single Stage High Purity Stainless Steel Regulator



Design Features

- 316 Stainless Steel construction
- Equipped with an outlet diaphragm valve with integral compression tube fitting
- Metal to metal seals throughout
- Bonnet threaded for panel mounting as standard
- Body pre-drilled for back mounting

The Model 3510 Series has been improved to supply the needs of scientific instruments including the gas chromatograph. The Model 3510 Series has been upgraded to a higher purity, longer lived product design. These regulators provide high purity control for applications where the delivery pressure is monitored.

The Model 3510 Series regulators are recommended for use in applications where a slight pressure rise is acceptable due to declining cylinder pressure as gas is withdrawn. The Model 3510 Series is compatible with gases that are non-corrosive or semi-corrosive in nature and gases that are compatible with the materials in the process stream.

Materials of Construction

Body:	316 Stainless Steel
Bonnets:	Nickel Plated Brass
Diaphragms:	316 Stainless Steel
Seats:	PFA PTFE
Seals:	Metal to Metal

Specifications

Maximum Inlet Pressure:	3000 psig (20,700 kPa)
Maximum flow Rate: (At 2500 psig, N2):	Model 3510: 550 CFH (240 LPM) Model 3511: 135 CFH (60 LPM) Model 3512: 210 CFH (95 LPM) Model 3513: 210 CFH (95 LPM) Model 3515: 550 CFH (240 LPM) Model 3516: 1350 CFH (600 LPM)
Flow Coefficient (Cv):	0.06
Operating Temperature:	-40 to 165°F (-40 to 74°C)
Porting:	1/4" NPT female
Porting Configuration:	2 high, 2 low

Part Number	Delivery Pressure Range	Delivery Pressure Gauge	Cylinder Pressure Gauge
3510 (specify CGA)	4-100 psig	30" vac-0-200	0-3000 psig
3511 (specify CGA)	2-30 psig	30" vac-0-60	0-300 psig
3512 (specify CGA)	2-30 psig	30" vac-0-60	0-1000 psig
3513 (specify CGA)	2-30 psig	30" vac-0-60	0-3000 psig
3515 (specify CGA)	4-100 psig	30" vac-0-200	0-1000 psig
3516 (specify CGA)	10-250 psig	30" vac-0-300	0-3000 psig
3517 (specify CGA)	10-500 psig	30" vac-0-1000	0-3000 psig