Model 3020, 3030 and 3040 Series
Single-Stage High-Purity/High Delivery Pressure Brass Regulators

Description
High-purity brass regulators designed for delivery pressures up to 2500 psig.

Applications
• Applications requiring delivery pressures up to 2500 psig.
• Delivery of gas to manufacturing processes, charging of systems, purging.

Design Features/Components
• High-purity brass barstock body
• High-purity 316 stainless steel diaphragm (Model 3020 Series) or 316 stainless steel piston (Model 3030 and 3040 Series)
• Metal to metal seals (Model 3020 Series) minimize diffusion of contaminants
• 2-1/2″ inlet and delivery pressure gauges
• Equipped with outlet needle valve
• 1/4″ NPTM outlet connection
• Porous metal filter protects seat from contamination
• Panel mountable

Materials of Construction

	Model 3020 Series	Model 3030-3040 Series
Gauges:	Chrome plated brass	Chrome plated brass
Body:	Nickel plated brass barstock	Nickel plated brass barstock
Bonnet:	Nickel plated brass	Nickel plated brass
Diaphragm:	316 stainless steel	——
Piston:	——	316 stainless steel
Seat:	PFA Teflon	Kel-F 81
Seals:	Metal to metal	Teflon & Viton A

Specifications
Maximum Inlet Pressure:	3000 psig (20,700 kPa)
Maximum Flow Rate: (At 2500 psig, N_2)	Model 3020: 5000 SCFH (2360 SLPM) Model 3030: 4600 SCFH (2170 SLPM) Model 3040: 4600 SCFH (2170 SLPM)
Flow Capacity (Cv):	0.06
Operating Temperature:	-15°F to 165°F (-26°C to 74°C)
Porting (Regulator Body):	1/4″ NPT Female
Porting Configuration:	2 High, 2 Low
Shipping Weight:	5 lbs

Ordering Information

Model Number	Delivery Pressure Range	Delivery Pressure Gauge	Cylinder Pressure Gauge
3020-CGA	20-500 psig	0-1000 psig	0-3000 psig
3030-CGA	100-1500 psig	0-2000 psig	0-4000 psig
3040-CGA	100-2500 psig	0-3000 psig	0-4000 psig

Options

Model Number	Description
ADP-0163-BO	Bonnet Vent Fitting to 1/8″ Hose
ADP-0162-BO	Bonnet Vent Adapter to 1/8″ FNPT
KIT-0204-SA	Bonnet Panel Mounting Kit
MSP-0012-XX	Inboard Helium Leak Rate Certification (Model 3020 only)
MSP-0013-XX	Combination Inboard/Outboard Helium Leak Rate Certification (Model 3020 only)