Model ARG
Aluminum, Single-Stage, Bar Stock Regulators

Model ARG is a single-stage regulator designed for use with Anhydrous Ammonia, Hydrogen Sulfide, Sulfur Dioxide and other gases compatible with aluminum. These regulators are ideal for applications requiring the light weight of an aluminum body regulator.

Warning: Do not use this regulator with Oxygen.

ARG Regulator

Standard Features

• Aluminum Body can be used with certain gases not compatible with brass, without the expense associated with stainless steel.

• Large effective diaphragm sensing area provides quick response, accurate and dependable regulation and long service life.

• Filter traps foreign matter, extends regulator life and reduces maintenance.

• Outlet Metering Valve provides flow control.

• ⅛" NPT Female Bonnet Vent Port allows bonnet to be connected to a vent line or disposal system as a precaution in the unlikely event of a diaphragm failure.

Optional Features

• Mounting Ring permits regulator to be panel mounted.

Specifications

Maximum Inlet Pressure:
  ARG-3: 3000
  ARG-2: 800
  ARG-1: 300

Inlet Pressure Gauge: See Table I

Delivery Pressure Range: See Table I

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Gauge Size: 2" Dial

Operating Temperature Range:
  -15°F to 140°F

Flow Coefficient:
  Regulator: Cv = 0.06
  Outlet Valve: Cv = 0.35

Inlet Connection: CGA 290, 320, 330, 660 or 705 as ordered

Outlet Connection:
  ¼" NPT male (on outlet valve)

Supply Pressure Effect: 1 psi per 100 psi

Approximate Weight: 3 lbs

Materials of Construction

Body: Aluminum Bar Stock

Outlet Valve and Gauges:
  Type 316 Stainless Steel

Bonnet: Electroless Nickel-Plated Aluminum

Other Metal Parts Exposed to Gas:
  Aluminum and Stainless Steel

Seat: PCTFE in regulator

Diaphragm: Type 316 Stainless Steel

Friction Sleeve: PTFE

Table I

Part No.	Inlet Pressure Gauge (dual scale) (psig)	(bar)	Delivery Pressure Range (psig)	Gauge (dual scale) (psig)	(bar)
ARG-3-30-(CGA)	0–4000	0–275	2–30	-30" Hg–0–60	-1–0–4
ARG-3-75-(CGA)	0–4000	0–275	4–75	-30" Hg–0–100	-1–0–7
ARG-3-150-(CGA)	0–4000	0–275	10–150	-30" Hg–0–200	-1–0–14
ARG-2-30-(CGA)	0–1000	0–69	2–30	-30" Hg–0–60	-1–0–4
ARG-2-75-(CGA)	0–1000	0–69	4–75	-30" Hg–0–100	-1–0–7
ARG-2-150-(CGA)	0–1000	0–69	10–150	-30" Hg–0–200	-1–0–14
ARG-1-30-(CGA)	0–400	0–27	2–30	-30" Hg–0–60	-1–0–4
ARG-1-75-(CGA)	0–400	0–27	4–75	-30" Hg–0–100	-1–0–7
ARG-1-150-(CGA)	0–400	0–27	10–150	-30" Hg–0–200	-1–0–14

Where "(CGA)" is indicated above, insert appropriate Compressed Gas Association connection number to complete the part number. Example: ARG-3-75-705. Order by complete part number.

Optional Equipment

Equipment	Part No.
Panel Mounting Ring*	PM3803
CGA 240-705 Adaptor*	0202-6102
Compression Fittings*	
¼" NPT female x ⅛" compression	SG6733
¼" NPT female x ¼" compression	SG6734
⅛" NPT male x ⅛" compression	SG6711
Safety Mounting Brackets*	See page 62
Purge Assemblies* (Cross purge assemblies are recommended)	See page 134

* If selected, these items are not installed on the regulator. They are shipped as separate items.