



Cryogenic Pressure Builder RG Series

Application

RG series cryogenic regulators are primarily designed to maintain pressure on cryogenic liquid within cryogenic containers. They may also be used in cryogenic lines, vaporizer and converter applications. They are especially useful in installations where space and cost limitations are important.

Features

- All parts are copper alloy (brass), PTFE and stainless steel—materials selected specifically for compatibility with cryogenic temperatures down to -320°F. (-196° C)
- PTFE seat helps assure a positive shut-off at cryogenic temperatures down to -320°F. (-196° C)
- High and low pressure regulators are the same compact size—designed to fit in close quarters.
- Interchangeable with existing cryogenic regulator units.
- Inlet filter helps prevent foreign material from entering the regulator.
- Locknut is provided to maintain adjusting screw setting.
- RG125C and RG175C Series available with flat inlet screen.
- RG000090AG is available with T handle adjustment screw and gauge ports.
- Maximum inlet pressure of 550 psig. (37.9 barg)
- Cleaned for oxygen service per CGA G-4.1
- 100% Factory Tested

Materials

Body	Brass
Bonnet.....	Brass
Seat.....	PTFE
Springs.....	Stainless Steel
Diaphragm Gasket.....	PTFE
Backcap Gasket.....	Copper
Diaphragm.....	Bronze

Ordering Information

Part Number	Inlet / Outlet Connections (F.NPT) A	Width B	C	D	Operating Range (psig)
RG022A	1/4"	2 1/16"	3"	1"	0-30 psig (0-2.1 barg)
RG125A					
RG125C3	3/8"	2 1/8"	3.33"	0.80"	25-250 psig (1.7-17.2 barg)
RG175C3					
RG300A	1/4"	2 1/16"	3"	1"	125-350 psig (17.2-24.2 barg)
RG000090AG					25-250 psig (1.7-17.2 barg)

*Contact sales representative for additional settings.



RG Series



RGXXXAG with gauge port & T handle

