

Inertrol Outfits

4286 Series 4289 Series 4291 Series

Application

The 4286, 4289, and 4291 series inertrol outfits are three-stage nitrogen regulators especially designed to maintain oil-filled transformer atmospheres at 0.5 PSIG. Each inertrol outfit consists of a two-stage regulator connected in series to a highly sensitive single-stage regulator which maintains the 0.5 PSIG pressure. A built-in pressure relief valve in the third-stage regulator helps protect against over-pressurization of the system.

These inertrol units are designed for oil-filled transformers manufactured by ABB, Inc., General Electric, and Cooper Power. Some outfits are equipped with an alarm gauge that activates a customer equipped warning device should the cylinder pressure drop below 300 PSIG.

Features

- Heavy duty brass and aluminum construction resists corrosion and provides for longer life.
- The 4289 series incorporates a special by-pass valve to allow for quick filling of the transformer.
- Hidden pressure adjusting screw helps protect against tampering by unauthorized personnel.
- Large diameter diaphragm in the third-stage regulator provides for sensitive and precise control of the gas flow.

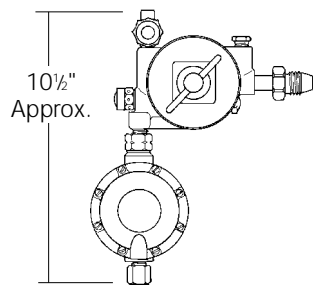
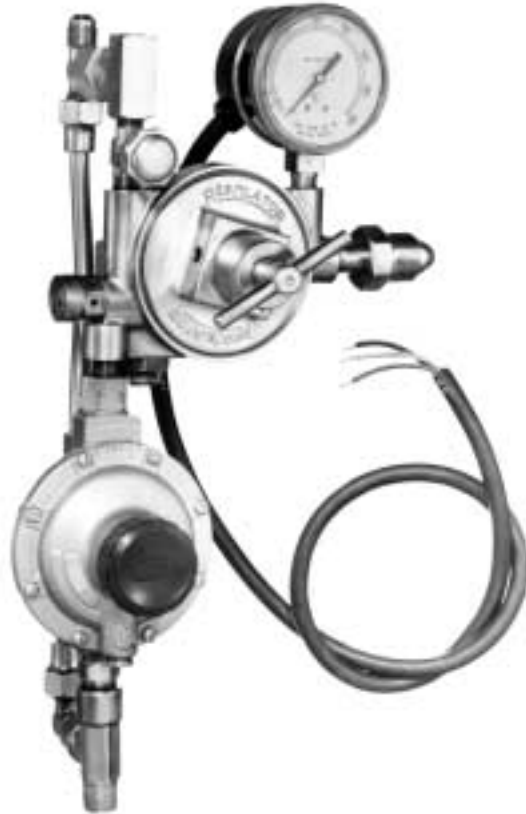
Materials

Two-Stage Regulator:

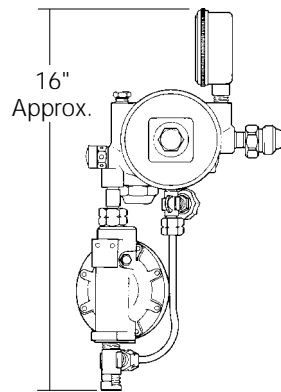
Body Brass
Bonnet Brass
Diaphragms Synthetic Rubber
1st Stage Seat Disc Nylon
2nd Stage Seat Disc Neoprene

Third-Stage Regulator:

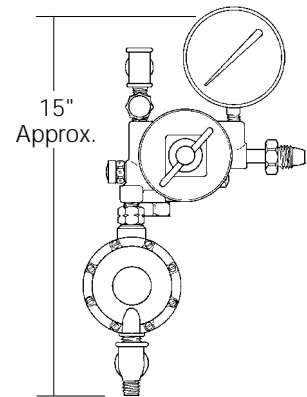
Body Aluminum
Bonnet Aluminum
Diaphragm Buna N
Seat Disc Buna N



4286A580



4289 Series



4291A

Ordering Information

Part Number	Gas Service	Inlet	Outlet	Two Stage Regulator Part Number	Third Stage Regulator Part Number	Alarm Gauge	Transformer Manufacturer
4286A580	Nitrogen	CGA580	1/8" NPT	4286A-2NW	4286-10-8	None	ABB, Inc.
4289AG			3/16" -18 L.H.	4289A-2G	4289-10	4285-9A	General Electric
4289G						None	
4291A			3/8" NPT	4291B-2	4286-10-8	4285-9A	Cooper Power

Low Pressure Regulators

4286-10 Series 4289-10 Series

Application

The 4286 and 4289 series inertrol third-stage low pressure regulators are designed especially for secondary regulation of gaseous nitrogen on electrical transformer systems.

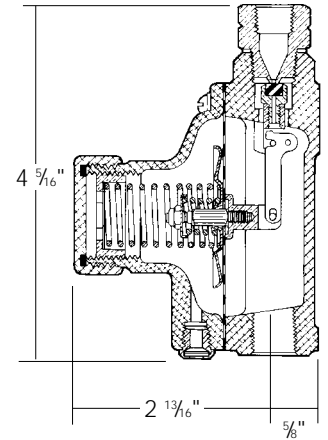
These regulators are factory preset at 14" to 15" water column delivery pressure with an inlet pressure of 5 to 10 PSIG.

Features

- Large diaphragm allows for highly sensitive and accurate low pressure control.
- Incorporates integral relief valves (except on 4289-10).
- Aluminum body and bonnet resist corrosion and provide longer life.
- Adjusting screw is concealed by a cap to help prevent against tampering by unauthorized personnel.
- Operating temperature range is -40°F to +160°F.

Materials

Body.....Aluminum
 Bonnet.....Aluminum
 Diaphragm.....Buna N
 Seat Disc.....Buna N
 Spring.....Steel



Ordering Information

Part Number	Inlet (NPT)	Outlet (NPT)	Delivery Pressure Setting	Relief Valve Setting
4286-10-5	1/4"	3/8"	14"-15" w. c.	5 PSIG
4286-10-8				8 PSIG
4289-10				None

Alarm Gauges

4285-9A

Application

The 4285-9A inertrol alarm gauges are designed to alert the user when pressure has fluctuated ±90 PSIG from the 300 PSIG factory setting. Under these conditions, electrical contacts in the gauge will close and set off a user-furnished alarm system.

Features

- Solid brass gauge casing resists corrosion and provides for longer life.
- Equipped with a heavy-duty, 36" long, 3-wire electrical cable.
- Each gauge is factory pre-set at 300 PSIG, then sealed to help prevent against tampering once in service.
- Electrical circuit is rated for a maximum of 3 AMPS at 460 volts AC.

Materials

Gauge Casing.....Brass

Ordering Information

Part Number	Inlet M.NPT	Diameter	Pressure Range (PSIG)	Adjustable	Alarm Furnished
4285-9A	1/4"	2 1/2"	0-4000	No	None

