



**ITT**

**Conoflow**

# Regulators, Transducers, Actuators, Positioners & Accessories



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# Product performance

## Low Pressure - Filter Regulators and Filters



FR95 AirPak



GFH45 AirPak



GFH75/76 AirPak



GFX02/GFX04  
Filters

Product Series / Features (Pressure Reducing / Filtration)	Inlet Pressure (maximum)	Outlet Pressure Ranges	Flow Capacity	Body Material
<b>FR95 Airpak, Filter-Regulator</b> Stable Output High Flow Capacity Excellent Droop Characteristics Bubble Tight Shut-Off Low Air Consumption Black Anodized Corrosion Resistant Exterior	250 PSIG	0-25, 0-35, 0-60, 0-125 PSIG	Cv = 0.5 25 SCFM	Aluminum
<b>GFH45 Airpak, Filter-Regulator</b> Stable Output High Flow Capacity 10, 35 and 40 Micron Filter Elements Buna N and Viton Elastomers All Brass Construction	300 PSIG	0-25, 0-60, 0-125 PSIG	25 SCFM	Brass
<b>GFH75 Airpak, Filter-Regulator</b> Stable Output High Flow Capacity 10, 35 and 40 Micron Filter Elements Buna N and Viton Elastomers Brass and Stainless Steel Internals	300 PSIG	0-25, 0-60, 0-125 PSIG	25 SCFM	316SS
<b>GFH76 Airpak, Filter-Regulator</b> Stable Output High Flow Capacity Viton Elastomers 10, 35 and 40 Micron Filter Elements Meets N.A.C.E. MR-01-75 All 316 Stainless Steel Construction	300 PSIG	0-25, 0-60, 0-125 PSIG	25 SCFM	316SS
<b>GFX02 Filter (No Regulation)</b> No Filtration All Brass Construction Optional Mounting Bracket 10, 35 and 40 Micron Filter Elements	300 PSIG	No Regulation	75 SCFM	Brass
<b>GFX04 Filter (No Regulation)</b> No Filtration All Aluminum Construction Optional Mounting Bracket 10, 35 and 40 Micron Filter Elements	300 PSIG	No Regulation	75 SCFM	Aluminum

# Product performance

## Low Pressure - Pressure Reducing Regulators

	Product Series / Features (Pressure Reducing Regulators)	Inlet Pressure (maximum)	Outlet Pressure Ranges	Flow Capacity	Body Material
 <p>GH04 Series</p>	<p><b>GH04 Cushion Loading Regulator</b>            Compact Size            Multiple Outlet Ports            Soft Seated for Cushion Loading Actuators</p>	300 PSIG	0-60 PSIG	2 SCFM	Aluminum
 <p>GH10/GPH Series</p>	<p><b>GH10 Manual Loading Regulator</b>            Wide Range of Outlet Settings            Excellent Sensitivity            Multiple Diaphragm Material Options            Relieving and Non-Relieving Models            Tamper-proof and Preset Versions            Wide Range of Materials of Construction            Metal to Metal Seated and Soft Seated Options</p>	200 / 300 PSIG	0-3, 0-5, 0-15, 0-25, 0-35, 0-50, 0-125 PSIG	10 SCFM	Aluminum Brass 316SS
 <p>GH15 Series</p>	<p><b>GH15 Miniature Regulator</b>            Compact Size            High Flow Capacity            Excellent Droop Characteristic            Three Outlet Ports</p>	300 PSIG	0-15, 0-30, 0-60, 0-125 PSIG	20 SCFM	Aluminum
 <p>GH20 / GH40 Series</p>	<p><b>GH20/GH40 Service Regulators</b>            Relieving and Non-relieving Options            Multiple Diaphragm Material Options            Tamper-proof and Preset Versions            High Exhaust Capacity Versions Available            Wide Range of Materials of Construction            Metal to Metal Seated and Soft Seated Options</p>	200 / 300 PSIG	0-25, 0-60, 0-125 PSIG	20 SCFM	Brass 316SS
 <p>GH24 / GH25 Series</p>	<p><b>GH24/GH25 Pressure Reducing Regulators</b>            High Flow Capacity            Center Gauge Port            3/8" and 1/2" NPT Connections</p>	250 PSIG	0-30, 0-60, 0-100 PSIG	45 SCFM 5 GPM	Aluminum

# Product performance

## Low Pressure - Specialty Regulators

	Product Series / Features (Specialty Regulators)	Inlet Pressure (maximum)	Outlet Pressure Ranges	Flow Capacity	Body Material
 <p>GH20VT Series</p>	<b>Vacuum Regulators</b> <b>GH20VT Vacuum Regulator</b> External Sensing Port Six Diaphragm Material Options 15" and 30" Hg Vacuum Settings Wide Range of Materials of Construction Metal to Metal Seated and Soft Seated Options	Vacuum	0-15" Hg 0-30" Hg	1.5 SCFM	Brass 316SS
 <p>GH28VT Series</p>	<b>GH28VT Vacuum Regulator</b> Internal Sensing Port Three Outlet Ports Compact Design Light Weight - 1Lb	Vacuum	0-15" Hg 0-30" Hg	1.5 SCFM	Aluminum
 <p>GH22 Series</p>	<b>Ratio and Flow Boosting Relays</b> <b>GH22 Ratio and Boosting Relays</b> Multiple Ratio Signal Outputs High Flow Capacity Ratios / Flow Boosting / Dividing Range Selections	200 PSIG	1:1, 1:2, 1:3, 2:1, 3:1	16 SCFM	Brass
	<b>Reversing Relay</b> <b>GH232T Reversing Relay</b> Convert Single Acting Positioner to Double Acting Model Reduces Cushion Load to Actuator in Proportion to Positioner Input	100 PSIG	Ratio Out to Input	10 SCFM	Brass
 <p>GH30 Series</p>	<b>Back Pressure Regulators</b> <b>GH30 Back Pressure Regulators</b> Wide Range of Outlet Settings Excellent Sensitivity Multiple Diaphragm Material Options Wide Range of Materials of Construction	150 PSIG	0-3, 0-5, 0-15, 0-25, 0-35, 0-50, 0-125 PSIG	2 TO 30 SCFM	Brass 316SS

# Product performance

## Low Pressure - Specialty Regulators



GH21 / GH41 Series

Product Series / Features (Specialty Regulators)	Inlet Pressure (maximum)	Outlet Pressure Ranges	Flow Capacity	Body Material
<b>Differential Regulators</b> <b>GH21XT/GH41XT Fixed Differential Regulator</b> 3 PSIG Fixed Differential Pressure Six Diaphragm Material Options Wide Range of Materials of Construction Metal to Metal Seated and Soft Seated Options	200 PSIG	3 PSIG Fixed	2.5 SCFM	Brass 316SS
<b>GH26XF/GH27XF Fixed Differential Regulator</b> 3/8" and 1/2" NPT Connections	200 PSIG	3 PSIG Fixed	1000 cc/m Air Max. 100 cc/m Water Max.	Aluminum
<b>GH21F/GH41F Fixed Differential Regulator</b> Integral Needle Valve For Use with Flow Rate Indicators without Needle Valves	200 PSIG	3 PSIG Fixed	1.7 SCFM	Brass
<b>GH21AT/GH41AT Adjustable Differential Regulator</b> Multiple Regulated Ranges Six Diaphragm Material Options Wide Range of Materials of Construction Metal to Metal Seated and Soft Seated Options	200 PSIG 300 PSIG	0-5, 0-15, 0-25, 0-35, 0-50, 0-125 PSIG	10 SCFH	Brass 316SS
<b>GH31 Upstream Differential Regulator</b> 3 PSIG Fixed Differential Pressure Six Diaphragm Material Options Wide Range of Materials of Construction	100 PSIG	3 PSIG Fixed	10 SCFH	Brass 316SS



GH21F / GH41F Series



GH21AT/GH41AT Series



GH31 Series

# Product performance

## Low Pressure - Purge Assembly

Product Series / Features (Purge Assembly)	Inlet Pressure (maximum)	Outlet Pressure Ranges	Flow Capacity	Body Material
<b>GDH21 Purge Assembly</b> Differential Regulator with Flow Indicator Brass and Stainless Steel Constructions Line and Panel Mount Options Multiple Diaphragm Material Options Metal to Metal Seated or Soft Seated Options	Varies Depending Flow Indicator	Line	20 to 200 cc/m (water)	Brass
		Line	0.25 to 2.5 SCFH	Brass
		Line	Sight Feed Bubbler	Brass
		Panel	Sight Feed Bubbler	Brass
		Line	25 to 250 cc/m (water)	Brass
		Line	0.1 to 2.0 SCFH	Brass
		Line	0.5 to 4.0 GPH	Brass
		Line	0.2 to 2.0 SCFH	Brass
		Panel	0.5 to 4.0 GPH	Brass
		Panel	0.2 to 2.0 SCFH	Brass
		Line	20 to 200 cc/m	Brass
		Line	0.1 to 2.0 SCFH	Brass
		Line	0.4 to 4.0 GPH	Brass
		Line	0.2 to 2.0 SCFH	Brass
		Line	20 to 200 cc/m (water)	316SS
		Line	0.2 to 2.0 SCFH	316SS
		Line	25 to 250 cc/m (water)	316SS
		Line	0.1 to 2.0 SCFH	316SS
		Line	0.5 to 4.0 GPH	316SS
		Line	0.2 to 2.0 SCFH	316SS
Panel	0.5 to 4.0 GPH	316SS		
Panel	0.2 to 2.0 SCFH	316SS		
Line	0.4 to 4.0 GPH	316SS		
Line	0.2 to 2.0 SCFH	316SS		



GDH Purge Assembly

# Product performance

## Low Pressure - Manual Loading Stations

Product Series / Features (Manual Loading Stations)	Inlet Pressure (maximum)	Outlet Pressure Ranges	Flow Capacity	Body Material
<b>GPH05 Manual Loading Station</b> 5" x 5.5" Metal Panel Six Output Range Selections 3.5" Dial Face Gauge Incorporates a GH10 Manual Loading Regulator	200 PSIG	Gauge Ranges 0-15, 0-30, 0-60, 0-100, 0-160 PSIG  3-15 PSIG 0-100% Cal.	10 SCFM	Brass
<b>GPH06 Manual Loading Station</b> 6" x 6" Metal Panel Six Output Range Selections 3.5" Dial Face Range Incorporates a GH10 Manual Loading Regulator	200 PSIG	Gauge Ranges 0-15, 0-30, 0-60, 0-100, 0-160 PSIG  3-15 PSIG 0-100% Cal.	10 SCFM	Brass
<b>GPH10 Manual Loading Station</b> 5" x 10" Plastic Panel Six Output Range Selections 3.5" Dial Face Gauge Incorporates a GH10 Manual Loading Regulator	200 PSIG	Gauge Ranges 0-15, 0-30, 0-60, 0-100, 0-160 PSIG  3-15 PSIG 0-100% Cal.	10 SCFM	Brass
<b>GPH10XY Manual Loading Station</b> 5.25" x 13.50" Metal Panel Six Output Range Selections 3.5" Dial Face Gauge Auto-Manual Switch Incorporates a GH10 Manual Loading Regulator	200 PSIG	Gauge Ranges 0-15, 0-30, 0-60, 0-100, 0-160 PSIG  3-15 PSIG 0-100% Cal.	10 SCFM	Brass



GPH Series



# Product performance

## High Pressure - Pressure Reducing Regulators



HP100/HP110 Series

Product Series / Features (Pressure Reducing Regulators)	Inlet Pressure (maximum)	Outlet Pressure Ranges	Flow Capacity	Body Material
<b>HP100/HP110 High Pressure Regulator</b> <b>Diaphragm Type</b> Accurate and Sensitive Regulation Non-Relieving - Standard Multiple Porting Configurations NPT - SAE - MS33649 - AMINCO - SLIMLINE - CGA Multiple Materials of Construction Balanced Valve Optional Captured Bonnet Port Optional CGA Cylinder Connections Available Cleaned to ITT Conoflow Specification ES8A 01 294	3000/5000 6000 PSIG	3-50, 4-150, 5-250, 6-500 PSIG	Cv = 0.12	Aluminum Brass 303SS N.A.C.E.
<b>HP300 High Pressure Regulator</b> <b>Piston Type</b> 10,000 PSIG Supply Pressure Stainless Steel, Brass and N.A.C.E. Construction Multiple Control Range from 500 to 6000 PSIG Control Range can be Field Changed Panel Mounting Bracket Optional Non-Rising Stem CGA Cylinder Connections Available Cleaned to ITT Conoflow Specification ES8A 01 294	6000/10000 PSIG	8-500, 9-800, 10-1500, 15-2500, 25-4000, 30-6000 PSIG	Cv = 0.14	Brass 303SS N.A.C.E.
<b>HP400 High Pressure Regulator</b> <b>Piston Type</b> 3500 and 6000 PSIG Supply Pressure Options High Outlet Pressure Setting 2500 PSIG Piston Sensing for Safe and Reliable Service Life Economical Brass Construction Capture Bonnet Port - Standard CGA Cylinder Connections Available Cleaned to ITT Conoflow Specification ES8A 01 294	3500/6000 PSIG	0-2500 PSIG	Cv = 0.06	Brass
<b>HP500 High Pressure Regulator</b> <b>Diaphragm Type</b> Relieving and Non-Relieving Diaphragms Offered Design Leak Rate $2 \times 10^{-8}$ atm cc/sec of Helium High Purity Internal Connections Optional Vacuseal, VCR, Ultra Seal and Welded Fittings Offered Five Regulated Outlet Ranges from 4-25 PSIG to 10-500 PSIG 15Ra Microinch Wetted Surfaces Available Optional 1/4" NPT Gauge Ports Metal to Metal Diaphragm to Body Seal Line and Rear Mounting are Standard Panel Mounting is Optional Brass, 316SS, N.A.C.E., Monel and Hastelloy Constructions Available CGA Cylinder Connections Available Cleaned to ITT Conoflow Specification ES8A 01 294	5000/6000 PSIG	4-25, 4-50, 5-100, 6-250 10-500 PSIG	Cv = 0.16	Brass 316SS 316LSS N.A.C.E. Monel Hastelloy



HP300 Series



HP400 Series



HP500 Series

# Product performance

## High Pressure - Pressure Reducing Regulators



HP600 Series



HP610 Series



HP635 Series



HP700 Series

Product Series / Features (Pressure Reducing Regulators)	Inlet Pressure (maximum)	Outlet Pressure Ranges	Flow Capacity	Body Material
<b>HP600 High Pressure Regulator</b> <b>Tied Diaphragm Type</b> High Purity Internal Connections Optional 316SS, 316LSS and N.A.C.E. Constructions Available Vacuseal, VCR, Ultra Seal and Welded Fittings Offered Design Leak Rate $2 \times 10^{-8}$ atm cc/sec of Helium Multiple Control Range Settings Available Rear Mounting Optional Standard Non-Relieving Diaphragm and Positionable Bonnet Standard Cleaned to ITT Conoflow Specification ES8A 01 294 5000 PSIG Maximum Supply Pressure Capability	3000/5000 PSIG	2-25, 3-50, 3-100, 4-150 PSIG	Cv = 0.15	316SS N.A.C.E.
<b>HP610 High Pressure Regulator</b> <b>Diaphragm Type</b> Relieving and Non-Relieving Diaphragm Options Internal Finish on Wetted Components 20Ra Inboard Leak Rate $2 \times 10^{-8}$ atm cc/sec of Helium Cleaned to ITT Conoflow Specification ES8A 01 294 High Flow Capacity	250 PSIG	0-50 PSIG	Cv = 0.95	316SS
<b>HP635 High Pressure Regulator</b> <b>Diaphragm Type</b> Brass and Stainless Steel Construction NPT and Tube Stub Connections Offered High Flow Capacity - Cv 1.8 Optional Base Mounting and Panel Mounting Available $2 \times 10^{-8}$ atm cc/sec of Helium Inboard and Across the Seal Leakage Five Control Range Settings Cleaned to ITT Conoflow Specification ES8A 01 294	500 PSIG	0-25, 0-50, 0-100, 0-150, 0-250 PSIG	Cv = 1.8	Brass 316SS
<b>HP700 High Pressure Regulator</b> <b>Diaphragm Type</b> 3500 and 6000 PSIG Maximum Supply Pressure Capabilities Captured Bonnet Ports Standard Design Leak Rate $2 \times 10^{-8}$ atm cc/sec of Helium Brass and Stainless Steel Constructions Offered Tied Diaphragm Model Offered Control Ranges from 4-25 PSIG to 6-250 PSIG CGA Cylinder Connections Available Cleaned to ITT Conoflow Specification ES8A 01 294	3500/6000 PSIG	4-25, 4-50, 5-100, 5-150, 6-250 PSIG	Cv = 0.14	Brass 316SS 316LSS N.A.C.E.

# Product performance

## High Pressure - Specialty Regulators



HP200 Series



HP800 Series



HP555 Series

Product Series / Features (Specialty Regulators)	Inlet Pressure (maximum)	Outlet Pressure Ranges	Flow Capacity	Body Material
<b>Back Pressure Regulators</b> <b>HP200 Back Pressure Regulator</b> <b>Diaphragm Type</b> Metal to Metal Sealed Diaphragm Vacuseal, VCR, Ultra Seal and Welded Fittings Optional High Purity Internal Connections Available Leak Rate Less than $2 \times 10^{-8}$ atm cc/sec Helium Line and Rear Mounting Standard Panel Mounting Optional Electronic Grade Cleaned Offered Cleaned to ITT Conoflow Specification ES8A 01 294	500 PSIG	0-25, 0-50, 0-100, 0-150 PSIG	Cv = 0.19	Brass 316SS N.A.C.E.
<b>HP800 Back Pressure Regulator</b> <b>Piston Type</b> High Pressure Capability - 15000 PSIG Safe and Reliable Piston Sensing Design Control Pressure Ranges Interchangeable throughout One Unit with Sensor and Range Spring Change Eight Control Range Settings from 0-500 to 0-15000 PSIG Panel Mount Bracket Optional Cleaned to ITT Conoflow Specification ES8A 01 294	15000 PSIG	0-500, 0-800, 0-1500, 0-2500, 0-4000, 0-6000, 0-10000, 0-15000 PSIG	Cv = 0.085	303SS N.A.C.E.
<b>Vaporizing Regulators</b> <b>HP550 Steam Vaporizing Regulator</b> <b>Diaphragm Type</b> Main Valve Plug Extended Deep into Steam Trap Five Control Range Settings from 4-25 to 10-500 PSIG Large Steam Trap Provides for Ease of Maintenance	1500 PSIG	4-25, 4-50, 5-100, 6-250, 10-500 PSIG	Cv = 0.16	316LSS
<b>HP555 Electric Vaporizing Regulator</b> <b>Diaphragm Type</b> Heats to 350°F in under Three Minutes Adjustable Temperature Control Compact - Light weight Design Two 150 Watt Heating Elements to Insure Uninterrupted Service 316L Stainless Steel Construction Entire Vaporizing Regulator is Factory Mutual Certified Explosion Proof and Dust Ignition Proof	1500 PSIG	4-25, 4-50, 5-100, 6-250 10-500 PSIG	Cv = 0.16	316LSS

# Product performance

## High Pressure - Changeover and Quick Mount Panels



CP220 Changeover Panel



QMP905 Quick Mount Panel

Product Series / Features (Changeover and Quick Mount Panels)	Inlet Pressure (maximum)	Outlet Pressure Ranges	Flow Capacity	Body Material
<b>CP220 Changeover Panel</b> Brass and Stainless Steel Construction  Automatic Changeover Regulator Provides an Uninterrupted Flow of Gas  Large 2.5" Diameter Pressure Gauges to Easily Monitor Inlet and Outlet Pressures  Stable Delivery Pressure with Changes in Flow and Supply Pressure Using Optional Line Regulators  Available with Purge/Vent Valves for Pressure Relief and Impurity Evacuation  Powder Coated Aluminum Panel Provides Easy Wall Mounted and Component Identification  User Adjustable Delivery Pressure from 0 to 100 PSIG Using Optional Line Regulator  Line Regulator Models Include an Inter-Stage Pressure Gauge to Verify the Changeover Regulator Status  Optional Supply Hoses with CGA Cylinder Connections  Remote Alarm Optional for Visual/Audible Depletion Alert	3000 PSIG	w/ Line Regulator 4-25, 4-50, 5-100 PSIG	Cv = 0.06	Brass 316SS
<b>QMP905 Quick Mount Panel</b> Easy to Mount - Unit Comes Fully Assembled for Easy and Quick Mounting  Available with Single-Stage Regulator for Distributed Pressure Applications up to 3000 PSIG  Available with Dual-Stage Regulator for Cylinder Pressure Applications up to 3000 PSIG  Standard with Bonnet Vent Ports on Regulator  Pigtail with Hand-Tight Connector for Brass Models and Nut and Nipple for Stainless Steel Models  Outlet Diaphragm Valve Promotes System Purity	3000 PSIG	Single-Stage from 4-25 to 10-500 PSIG  Dual-Stage from 4-25 to 6-250 PSIG	SS - Cv 0.16  DS - Cv 0.06	Brass 316SS  Brass 316SS

# Product performance

## I/P-E/P-M/P-P/I Transducers



GT210/GT410/  
GT610 Series



GT-8 Series



GT-2 Series



GT-6 Series



GPT82 Series

Product Series / Features (Transducer)	Input Signal	Outlet Pressure Ranges	Flow Capacity	Linearity
<b>GT210/GT410/GT610 Transducers</b> <b>I/P-E/P Transducers</b> Miniature Transducer Direct Connection to Terminal Block Factory Mutual Intrinsically Safe Offered 150 PSIG Maximum Supply Pressure EMI-RFI Adaptor Optional Filter Regulator (Mounted and Piped) Optional Optional 20" Long Lead Connections with Metal Cover 2" 'U' Clamp Mounting Hardware Offered	4-20, 10-50mA DC 0-5, 1-9 VDC Special Inputs Available	3-15, 3-27, 6-30 PSIG	12 SCFM	±0.5% of Span
<b>GT-8 Series Transducer</b> <b>I/P Transducer</b> External Zero Adjustment EMI-RFI Adaptor Available Factory Mutual Intrinsically Safe Optional CENELEC Intrinsically Safe Offered Factory Mutual Explosion Proof Optional Filter Regulator (Mounted and Piped) Optional Selector Jumper Switch to Accept 4-20 or 10-50mA DC Input 2" 'U' Clamp Mounting Hardware Offered	4-20, 10-50mA DC 0-5, 1-9 VDC Special Inputs Available	3-15, 3-27, 6-30 PSIG Special Outputs	0.15 SCFM 5 SCFM	±1%
<b>GT-2 Series Transducer</b> <b>E/P Transducer</b> Adjustable Input from 0-5 to 0-60 VDC Filter Regulator (Mounted and Piped) Optional High and Low Capacity Models Available 2" 'U' Clamp Mounting Hardware Offered	0-5 to 0-60 VDC Special Inputs Available	3-15, 3-27, 6-30 PSIG Special Outputs	0.15 SCFM 5 SCFM	±1%
<b>GT-6 Series Transducer</b> <b>M/P Transducer</b> 115VAC and 24VDC Input Signals 10, 12, 18 and 20 Second Time Durations High and Low Capacity Models Available Lock in Last Position on Loss of Electrical Signal Filter Regulator (Mounted and Piped) Optional 2" 'U' Clamp Mounting Hardware Offered	115 VAC 24 VDC	3-15, 3-27, 6-30 PSIG Special Outputs	5 SCFM	Time Duration 10, 20 12, 18 Second
<b>GPT82 Transducer</b> <b>P/I Transducer</b> Compact, Light Weight Design EMI-RFI Adaptor Available Supply Voltages from 10-42VDC Optional Wall Mounting or 2" 'U' Clamp Offered Factory Mutual Intrinsically Safe Available Factory Mutual Explosion Proof Available	3-15, 3-27, 6-30 PSIG Special Outputs	4-20mA DC 10-50mA DC	N/A	±0.25% os Span

# Product performance

## IEEE Qualified Transducer and Regulator



I/P Transducer

Product Series / Features (Regulator and Transducer)	Input Signal	Outlet Pressure Ranges	Flow Capacity	Linearity
<b>GT25CA1826 IEEE Transducer</b> <b>GT25CD1826 IEEE Transducer without Regulator</b> <b>GT45CA1826 IEEE Transducer</b> <b>GT45CD1826 IEEE Transducer without Regulator</b> <b>GT65CA1826 IEEE Transducer</b> <b>GT65CD1826 IEEE Transducer without Regulator</b> Qualified to the Requirements of IEEE 323-1974 Qualified to the Recommendations of IEEE 344-1975 Zamak 5 - Zinc Alloy Housing Viton Elastomers Thermal Aged, Wear Aged, Radiation Aged Seismic Qualification Testing Performed Steam Line Break Testing Completed	4-20, 10-50 mA DC	3-15, 3-27, 6-30 PSIG	5 SCFM	±0.75% of Span



Airpak Regulator

Product Series / Features (Pressure Reducing/Filtration)	Inlet Pressure (maximum)	Outlet Pressure Ranges	Flow Capacity	Body Material
<b>GFH20XT1767C Airpak, Filter Regulator</b> <b>GFH20XT1767F Airpak, Filter Regulator</b> <b>GFH20XT1767G Airpak, Filter Regulator</b> Thermal Aged, Wear Aged, Radiation Aged Brass Body and Bonnet Viton Elastomers Seismic Qualification Tested Steam Line Break Testing Completed Qualified to the Requirements of IEEE 323-1974 Qualified to the Recommendations of IEEE 344-1975	200 PSIG	0-25, 0-60, 0-125 PSIG	16 SCFM	Brass

# Product performance

## Linear and Lever Actuators



GB50 - GB55 Series



GB52S / GB53S Series



Fail Safe System

Product Series / Features (Linear and Lever Actuators)	Bore Diameter	Effective Areas	Stroke Lengths	Thrust
<b>GB50X - GB55X</b> <b>Linear Actuators</b> Fail Safe Systems Available Manual Operator Optional With and Without Spacer Bars and Lower Flange Multiple Bore Diameters and Thrust Capabilities Single and Double Acting Positioners - Top Mounted Offered Stroke Lengths up to 10" Single and Double Acting Positioners - Side Mounted Offered Lock in last Position Option Offered	3", 4", 6" 8", 10", 12"	7, 12, 28.5, 50, 78, 123 Square Inch	1/4" to 10"	Up to 12000 lbs.
<b>GB52U - GB54U</b> <b>Linear Actuators</b> Multiple Bore Diameters and Thrust Capabilities Single and Double Acting Positioners - Top Mounted Offered Fail Safe Systems Available Single and Double Acting Positioners - Side Mounted Offered Lock in last Position Option Offered Manual Operator Optional	6", 8", 10"	28.5, 50, 78 Square Inch	1-1/4" 1-1/2"	Up to 7800 lbs.
<b>GB52S - GB53S</b> <b>Lever Actuators</b> Lever Travels from 5" to 12" Single and Double Acting Positioners - Top Mounted Offered Fail Safe Systems Available Single and Double Acting Positioners - Side Mounted Offered Lock in last Position Option Offered Manual Operator Optional	6", 8"	28.5", 50"	Lever Travel 5" to 12"	Lever Thrust up to 1080 lbs.
<b>GB2700 - GB2800</b> <b>Manual Operators</b> Large and Small Handwheel for Manual Operation	1500 / 4500 lbs. of Thrust			
<b>Fail Safe Systems</b> Fails Extended or Retracted Lock in last Position with Snap Acting Relay	57, 180, 400, 1000, 2100 Cubic Inch Tanks			

# Product performance

## Top and Side Mounted Positioners



GJ11 - GJ14 Series

Product Series / Features (Positioners)	Supply Pressure (maximum)	Stroke Lengths	Actions Increase Instrument Signal	Linearity
<b>GJ11 - GJ14 Series Positioners</b> Top Mounted - No Exposed Parts High Flow Capacity - 5 SCFM Fast, Stable and Accurate Positioning Extend and Retract Actuator Stem on Increasing Signal Extend and Retract Actuator Stem on System Air Failure	100 PSIG	1/4" to 10"	Extends or Retracts	<1% of Span
<b>GC31 - GC34 Series Positioners</b> Top Mounted - No Exposed Parts High Flow Capacity - 5 SCFM All Standard Spans and Splits Ranges Available Extend and Retract Actuator Stem on Increasing Signal Extend and Retract Actuator Stem on System Air Failure	100 PSIG	1/4" to 10"	Extends or Retracts	<1% of Span
<b>GJ21 and GJ22 Series Positioners</b> Top Mounted - No Exposed Parts High Flow Capacity - 5 SCFM High Thrust Capability in Both Extended and Retracted Positions Extend and Retract Actuator Stem on System Air Failure Extend and Retract Actuator Stem on Increasing Signal Lock in last Position Fail Model Optional with Snap Acting Relay	100 PSIG	1/4" to 10"	Extends or Retracts	<1% of Span
<b>GP50 / GP51 / GP52 Series Positioners</b> Side Mounted Booster Valving for Fast Response and Precise Control Motion Balance for Easy Adjustment Characterization for Modification of Valve Characteristic Fast Dynamic Response via High Pressure Valves and Large Ports Precision Positioning via High Gain Circuit and Rigid Components Double and Single Acting Modes of Operation Bypass Factory Optional	100 PSIG	3/4" - 4"	Extends or Retracts	±1% of Span



GC31 - GC34 Series



GJ21 - GJ22 Series



GP50 / GP51 / GP52 Series



# Product performance

## High Pressure - Natural Gas Regulator



High Pressure - Natural Gas Regulator

Product Series / Features (Pressure Reducing)	Inlet Pressure (maximum)	Outlet Pressure Ranges	Flow Capacity	Body Material
<b>HPNGV1</b> Heavy Duty Engine Applications Integral Pressure Relief Device High Flow Capacity Multiple Porting Configurations Hot Engine Coolant Routed through Regulator to Prevent Freeze Up Bypass Design - Provides Minimal Pressure Drop with Increasing Flow	3600 PSIG	45-150 PSIG	110 lbs/hr	Aluminum

## Snap-Acting Relays



GVB11 / GVB12 Series

Product Series / Features (Snap Acting)	Inlet Pressure (maximum)	Outlet Pressure Ranges	Flow Capacity	Body Material
<b>GVB11 / GVB12</b> <b>Snap-Acting Relays</b> Switch from Main to Auxiliary Supply Pressure Aluminum and Stainless Steel Construction Lock Actuator in Last Position Extend or Retract an Actuator Stem Divert Flow or Pressure from One Device to Another Multiple Elastomer Selections Offered	150 PSIG	25-85 PSIG	Cv = 0.38	Aluminum 316SS

# Product performance

## Diaphragm Seals - Threaded and Flanged Models

Product Series / Features (All Series)	Diaphragm Style	Diaphragm Displacement Cubic Inches	Maximum Working Pressure (PSIG)	Process Connection Size	Wetted Material (All Units)
<b>Threaded Off-Line Process Connection</b>					
100A / 100AC Series	Replaceable	0.08 / 0.14	200 to 10000	1/4" - 1-1/2" NPT	Carbon Steel
140K / 140KT Series	All Welded	0.02	2000 to 5000	1/8" - 1/2" NPT	316SS
190K Series	All Welded	0.028	1000	1/4" - 1" NPT	316LSS
300A / 330A / 600A Series	Welded	0.05 / 0.16 / 0.24	1250 to 20000	1/4" - 1-1/2" NPT	304SS
400A / 400AC Series	Replaceable	1.4	200	1/4" - 1-1/2" NPT	304LSS
360A Series	All Welded	0.05	2500	1/4" - 1-1/2" NPT	Carpenter 20 CB-3
<b>Threaded In-Line Process Connection</b>					
100AM Series	Replaceable	0.09	1000 to 2000	1/4" - 1" NPT	Hastelloy B3
300AM Series	Welded	0.05	1250 to 2500	1/4" - 1" NPT	Hastelloy C276
<b>Flanged Off-Line Process Connection</b>					
100B Series	Replaceable	0.09	(For All Units)	1/2" - 3"	Inconel 600
300B Series	Welded	0.05	150# to 2500#	1/2" - 3"	Monel 400
360B Series	Welded	0.05	Raised Faced	1/2" - 3"	Nickel 200
300BX Series	Welded	0.05	Flat Faced	1/2" - 3"	Kynar
330B Series	Welded	0.15	Ring Type Joint	1/2" - 3"	Polypropylene
400B Series	Replaceable	1.4	Special Connections	1/2" - 3"	PVC
600B Series	Welded	0.25		1/2" - 3"	Teflon - CF
					Teflon - GF
					Titanium
					Tantalum



140K Series



300A Series



300B Series

# Product performance

## Diaphragm Seals - Specialty Models

Product Series / Features (All Series)	Diaphragm Style	Diaphragm Displacement Cubic Inches	Maximum Working Pressure (PSIG)	Process Connection Size	Wetted Material (All Units)
<b>Saddle Welded Process Connection</b>					
100J3 / 100J4 Series	Replaceable	0.09	Sch. 5 to Sch. 160	3" - 4"	Carbon Steel
300J3 / 300J4 Series	Welded	0.05	Sch. 5 to Sch. 160	3" - 4"	316SS
<b>Butt Welded In-Line Process Connection</b>					
100L Series	Replaceable	0.09	Sch. 5 to Sch. 160	1/4" - 1"	316LSS
300L Series	Welded	0.05	Sch. 5 to Sch. 160	1/4" - 1"	304SS
<b>Socket Welded In-Line Process Connection</b>					
100M Series	Replaceable	0.09	Sch. 5 to Sch. 160	1/4" - 1"	Carpenter 20 CB-3
300M Series	Welded	0.05	Sch. 5 to Sch. 160	1/4" - 1"	Hastelloy B3
<b>Flanged In-Line Process Connection</b>					
100N Series	Replaceable	0.09	150# thru 2500# RF	1" - 3"	Hastelloy C276
300N Series	Welded	0.05	150# thru 2500# RF	1" - 3"	Inconel 600
<b>Socket Welded In-Line Process Connection</b>					
100S Series	Replaceable	0.09	Sch. 5 to Sch. 160	1/4" - 1"	Monel 400
300S Series	Welded	0.05	Sch. 5 to Sch. 160	1/4" - 1"	Nickel 200
<b>Flanged Off-Line Process Connection</b>					
300BP Pancake Series	Welded	0.25	150# - 300#	3"	Kynar
300BT "T" Type Series	Welded	0.25	150# - 300#	3"	Polypropylene
600TW Taylor Wedge Series	Welded	0.25	1500 PSIG	Wedge	PVC
					Teflon - CF
					Teflon - GF
					Titanium
					Tantalum



# Product performance

## Diaphragm Seals - Sanitary Models

Product Series / Features (All Series)	Diaphragm Style	Diaphragm Displacement Cubic Inches	Piping System	Process Connection Size	Wetted Material (All Units)
<b>Sanitary Diaphragm Seals</b>					
<b>700C-115 Series</b>	Welded	0.02	All Units	1-1/2"	316SS
<b>700C-120 Series</b>	Welded	0.028	Ladish Tri-Clamp	2"	316SS
<b>700C-125 Series</b>	Welded	0.04	Cherry Burrell "S" Line	2-1/2"	316SS
<b>700C-130 Series</b>	Welded	0.04	G & H GC Fast Clamp	3"	316SS
<b>700C-220 Series</b>	Welded	0.028	All Units	2"	316SS
<b>700C-230 Series</b>	Welded	0.04	CB "I" Line	3"	316SS
<b>700C-240 Series</b>	Welded	0.04		4"	316SS
<b>700C-320 Series</b>	Welded	0.028	Cherry Burrell "Q" Line	2"	316SS
<b>700C-420 Series</b>	Welded	0.028	C & H GC "H" Line	2"	316SS
<b>700C-520 Series</b>	Welded	0.028	APC Quick Connect	2"	316SS
<b>700A-628 Series</b>	Welded	0.028	Anheuser Busch	2"	316SS
<b>700A-626 Series</b>	Welded	0.028	Anheuser Busch	2"	316SS
<b>700D-820 Series</b>	Welded	0.028	Ashcroft Replacement	2"	316SS
<b>700CEX Series</b>	Welded	As Designed	As Designed	As Designed	As Designed
<b>700C-7 Extended</b>	Welded	0.15	4" Tri-Clamp	Tank Spud	316SS



700C Series



700C Series

# Product performance

## Diaphragm Seals - Mounting and Filling Accessories

### Product Series / Features (All Series)

#### Diaphragm Seals Accessories

##### Mounting Options

Direct Mount

Nipple Mount

Capillary Mount

Mounted Directly to Customer Instrument

2" and 4" Long Nipples

5' to Desired Length of Stainless Steel Armored or PVC Armored Capillary

##### Fill and Calibration Options

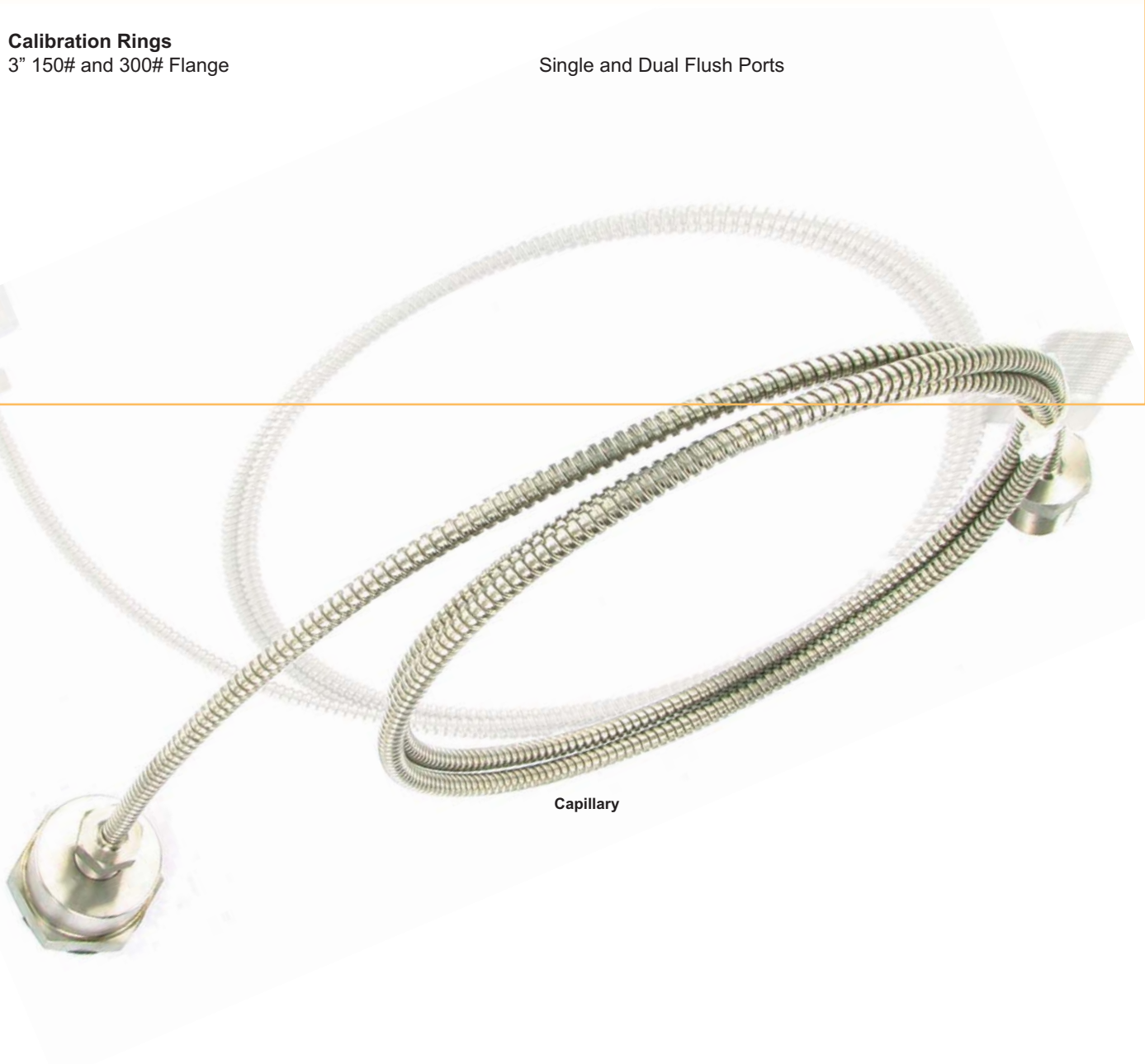
Mount / Fill / Calibrate to Customer Supplied Instrument  
Fill Fluids Offered

Silicones, Pure Glycerine, Fluorolube, Halocarbons, Ethylene Glycol, Propylene Glycol, Syltherm, Neobee and Mineral Oil

##### Calibration Rings

3" 150# and 300# Flange

Single and Dual Flush Ports



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# ITT Corporation

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