

# INSTRUMENTATION AND PROCESS CONTROL SOLUTIONS FOR THE OIL & GAS INDUSTRY



**Advanced Technology  
to make pressure control  
plain and simple.**

## Rotational Speed Control on Compressors and Turbines



ControlAir I/Ps are used to control throttle speed

## Emergency Shutdown System Controls



ControlAir's filter regulators and volume boosters are used to control shutdown valves

## Separator Skid Packages



ControlAir I/P's and Pressure Regulators are used to automate control valves.



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## Type-950 Explosion-proof I/P Transducer



### Features

- Explosion-proof NEMA-4X(IP65) enclosure
- RFI, EMI protected
- Shock, vibration and position insensitive
- Field-selectable outputs (optional)
- Highly tolerant of impure air
- Optional tapped exhaust and conduit seal required for FM/CSA approval when using natural gas (sweet) or methane

### Specifications

Flow Capacity SCFM (NI/min):	12.0 (360)
Terminal Based Linearity (% of span):	±0.10
Repeatability (% of span):	< 0.10
Supply Pressure Max. PSIG (BAR):	100 (7)
Port Size (Pneumatic):	1/4 NPT
Port Size (Electric):	1/2 NPT
Operating Temperature:	-40° to 160°F (-40° to 71°C)
Output Pressure Ranges PSIG (BAR):	3-15(0.2-1), 3-27(0.2-1.8), 6-30(0.4-2)



## Type-595 Explosion-proof I/P Transducer



### Features

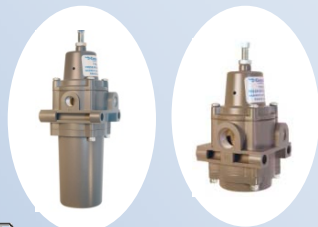
- Compact Design
- Worldwide Safety Approvals
- Vibration and position insensitive
- Low power consumption
- Direct, pipe or bracket mounting

### Specifications

Flow Capacity SCFM (NI/min):	2.4 (72)
Terminal Based Linearity (% of span):	±0.5
Repeatability (% of span):	< 0.3
Supply Pressure Max. PSIG (BAR):	42 (2.8)
Port Size (Pneumatic):	1/4 NPT
Port Size (Electric):	1/2 NPT
Operating Temperature:	-67° to 185°F (-55° to 85°C)
Output Pressure Ranges PSIG (BAR):	3-15(0.2-1), 3-27(0.2-1.8), 6-30(0.4-2)



## Type-330/340 Instrument Air Regulator and Filter Regulator



### Features

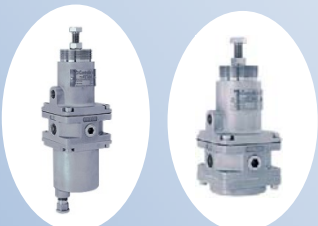
- Compact and lightweight construction
- 1/4" NPT and 1/2" NPT ported versions
- Automatic drain option
- High flow capacity
- Direct, pipe or bracket mounting
- Low air consumption
- Tapped exhaust option
- Rugged, corrosion resistant design

### Specifications

Exhaust Capacity SCFM (NI/min):	0.1 (2.8)
Sensitivity:	1 inch of water
Air consumption SCFH (NI/min):	< 5 (2.5)
Supply Pressure Max. PSIG (BAR):	250 (17)
Operating Temperature:	0° to 160°F (-18° to 71°C)
	32° to 160°F (0° to 71°C) auto drain
Port Sizes NPT:	1/4, 1/2
Ranges PSIG (BAR):	0-30 (0-2), 0-60 (0-4), 0-120 (0-8)



## Type-350/360 Stainless Steel Filter Regulator & Regulator



### Features

- Low temperature option
- Autodrain option
- 316 stainless steel internal and external
- Viton seals
- NACE approved
- Large flow capacity
- Low air consumption
- Tapped exhaust

### Specifications

Flow Capacity SCFM (NI/min):	20 (600) 1/4" NPT, 160 (4,800) 1/2" NPT
Exhaust Capacity SCFM (NI/min):	1.0 (30)
Sensitivity Inch wc (mm):	1.0 (25.0)
Supply Pressure Max. PSIG (BAR):	290 (20)
Operating Temperature:	-20° to 185°F (-29° to 85°C)
	-58° to 194°F (-50° to 90°C) low temp.
Port Sizes NPT/BSP:	1/4, 1/2
Ranges PSIG (BAR):	0-30 (0-2), 0-60 (0-4), 0-100 (0-7), 0-150 (0-10)



## Type-6000 Volume Booster



### Features

- High air volume for rapid actuator stroking
- Aluminum or 316 stainless steel construction
- Adjustable bypass valve eliminates actuator overshoot or overdamping
- Soft seat sealing for tight shutoff
- Available in aluminum or 316 stainless steel construction
- 1/2" NPT and 3/4" NPT ported versions

### Specifications

Supply & Signal Pressure PSIG (BAR):	150 (10)
Max. Flow Coefficients (Cv):	Supply 3.0 / Exhaust 3.0
Flow Capacity SCFM (NI/min):	115 (3,450)
Deadband PSIG (BAR):	< 0.25 (0.017)
Signal to Output Ratio:	1:1 ± 5%
Operating Temperature:	-40° to 160°F (-40° to 71°C)
Signal Port NPT:	1/4"
Supply/Output Port NPT:	1/2" or 3/4"
Ranges PSIG (BAR):	0-150 (0-15)

## Other Oil and Gas Applications



Offshore Platforms



Natural Gas Compressors



Skidded Systems