



# Filters, Regulators, Filter Regulators, Volume Boosters & I/P Transducers for Harsh Food Processing Environments

ControlAir's family of stainless steel process control devices utilize corrosion resistant stainless steel to provide longer life in food processing environments. Wash down environments can be demanding, but our products are up to the task.

Regulators provide accurate pressure regulation and quick response; offered as filter service, high flow capacity, low temperature and Autodrain. Our Volume Boosters offer high flow capacity and are designed to increase the stroking speed of control valves. The Lock-Up Relay is a reliable unit for fail in place applications of control valves when air supply drops below acceptable pressure levels.

## FEATURES

### Regulators, Filter Regulators and Filters

- 316 Stainless Steel Construction
- 1/4" and 1/2" NPT Ports
- Autodrain option
- Low temperature option
- High flow capacity
- NACE Compliant

### Volume Boosters

- 316 Stainless Steel Construction
- 3/4" or 1" NPT Porting
- Integral Adjustable bypass valve
- High flow capacity
- Soft valve seat design
- High temperature option

### Lock up Relay

- 304 Stainless Steel Construction
- No leakage in lock-up position
- Two pressure ranges available
- Manual relief valve

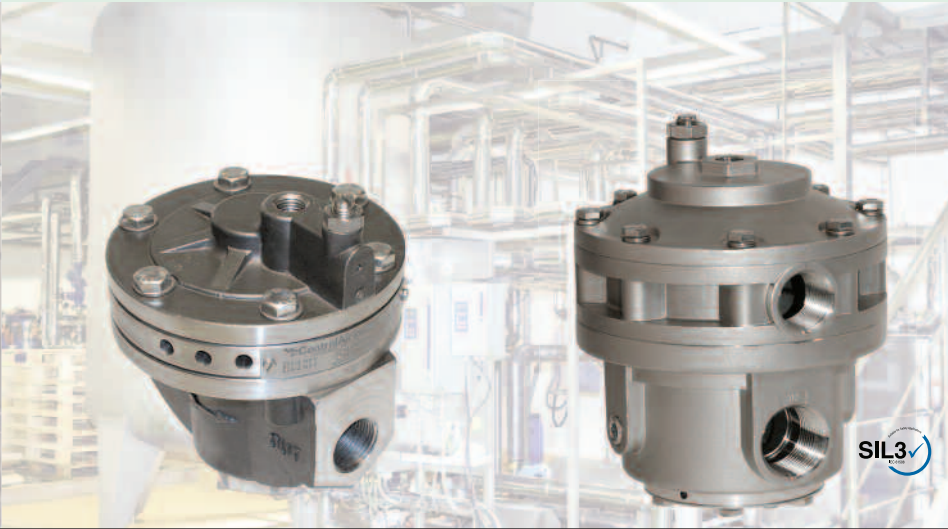


# Corrosion resistant, stainless steel construction for demanding food processing environments

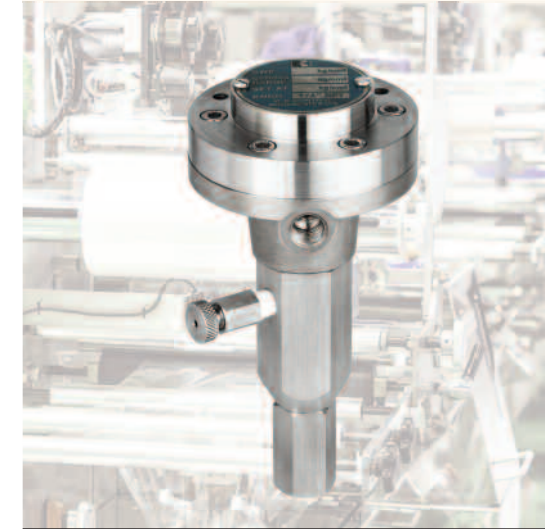
## Stainless Steel Regulators, Filters, Filter Regulators



## Stainless Steel Volume Boosters



## Stainless Steel Lock-up Air Relay



	TYPE 350SS	TYPE 360SS	TYPE 370SS	TYPE 380/390SS	TYPE 6000	TYPE 6600
<b>Description</b>	Filter Regulator	Regulator	Filter	Filter Regulator / Regulator	Volume Booster	Large Flow Capacity Volume Booster
<b>Features</b>	<ul style="list-style-type: none"> <li>• 316 Stainless Steel Construction</li> <li>• NACE Compliant</li> <li>• 1/4" and 1/2" NPT Ports</li> </ul>	<ul style="list-style-type: none"> <li>• Autodrain Option</li> <li>• Low Temperature Option</li> <li>• High Flow Capacity</li> </ul>	<ul style="list-style-type: none"> <li>• Tapped Exhaust Port</li> <li>• Minimal Air Consumption</li> </ul>	<ul style="list-style-type: none"> <li>• 316L Stainless Steel Construction</li> <li>• High Flow Capacity</li> <li>• 3/4" or 1" NPT Porting</li> <li>• 2 Gauge Ports</li> <li>• Automatic Drain Option</li> </ul>	<ul style="list-style-type: none"> <li>• Fast Response</li> <li>• Adjustable Bypass Valve</li> <li>• Soft Seat Sealing</li> <li>• Corrosion and Wear Resistant</li> <li>• Choice of Porting</li> </ul>	<ul style="list-style-type: none"> <li>• 3/4" or 1" NPT Porting</li> <li>• Integral Adjustable Bypass Valve</li> <li>• High Flow Capacity</li> <li>• Soft Valve Seat</li> <li>• High Temp. Operation</li> <li>• Tapped High Output Exhaust Port</li> <li>• 2 Gauge Ports-Optional</li> <li>• Low Temp. Option</li> </ul>
<b>Output Ranges</b>	0-30 psig (0-2.0 BAR) 0-60 psig (0-4.0 BAR) 0-100 psig (0-7.0 BAR) 0-150 psig (0-10.0 BAR)	0-30 psig (0-2.0 BAR) 0-60 psig (0-4.0 BAR) 0-100 psig (0-7.0 BAR) 0-150 psig (0-10.0 BAR)	N/A	0-30 psig (0-2.0 BAR) 0-60 psig (0-4.0 BAR) 0-100 psig (0-7.0 BAR) 0-150 psig (0-10.0 BAR) 0-200 psig (0-14.0 BAR)	0-150 psig (0-15 BAR)	0-150 psig (0-15 BAR)
<b>Maximum Supply Pressure</b>	290 psig (20.0 BAR) Autodrain: 150 psig (10.0 BAR)	290 psig (20.0 BAR)	150 psig (10.0 BAR) Autodrain: 150 psig (10.0 BAR)	290 psig (20.0 BAR) Autodrain: 150 psig (10.0 BAR)	150 psig (10.0 bar)	250 psig (17.0 BAR)
<b>Maximum Flow Coefficients (Cv)</b>	1/4" = 1.2 1/2" = 3.3	1/4" = 1.2 1/2" = 3.3	1/4" = 1.2 1/2" = 3.3	Type-380: 3/4": 9.0; 1": 10.0 Type-390: 3/4": 10.0; 1": 11.0	1/2" - Forward: 6.6 / Exhaust: 5.8 3/4" - Forward: 6.8 / Exhaust: 5.8	3/4": Forward: 8.0 / Exhaust: 8.0 1": Forward: 9.0 / Exhaust: 8.0
<b>Air Consumption</b>	4 SCFH (2 NI/min) maximum			4 SCFH (2 NI/min) maximum		
<b>Operating Temperatures</b>	-20° to +185°F (-29° to +85°C) Autodrain Option: T350 and T370: 32° to 185°F (0°C to 85°C) Low Temperature Option: -61° to +194°F (-52° to + 90°C)			-40° to +200°F (-40° to +93°C) Autodrain: 32° to 200° (0° to 93°C)		Standard: -40° to 160°F (-40° to 71°C) EPDM Option: -40° to 230°F (-40° to 110°C) Silicone Option: -60° to 230°F (-51° to 110°C)
<b>Filter</b>	25 micron optional 5 micron	N/A	25 micron optional 5 micron	Type 380: 40 micron Type 390: N/A		
<b>Porting Inlet/Outlet Gauge(s) Exhaust</b>	1/4" NPT or 1/2" NPT 1/4" NPT 1/8" NPT	1/4" NPT or 1/2" NPT 1/4" NPT 1/8" NPT	1/4" NPT or 1/2" NPT 1/4" NPT	3/4" NPT or 1" NPT 1/4" NPT 1/8" NPT	1/2" or 3/4" NPT 1/4" NPT 1/2" or 3/4" NPT Signal Port: 1/4" NPT	3/4" or 1" NPT 1/4" NPT 3/4" NPT Signal Port: 1/4" NPT Feedback Port Option: 1/4" NPT
<b>Weight</b>	1/4" NPT: 2.2 lbs. (1.0 kg) 1/2" NPT: 2.8 lbs. (1.3 kg)	1/4" NPT: 2.0 lbs. (0.9 kg) 1/2" NPT: 2.6 lbs. (1.2 kg)	1/4" NPT: 2.1 lbs. (0.95 kg) 1/2" NPT: 2.5 lbs. (1.14 kg)	Type 380: 16.6 lbs (7.5 kg) Type 390: 14.5 lbs (6.6 kg)	11.7 lbs (5.3 kg)	15.0 lbs (6.80 kg)
<b>Operating Media</b>	Air, inert gas, sweet (natural) and sour gases			Air, inert gas, sweet (natural gas)		
<b>Flow Capacity</b>	1/4" = 60 scfm 1/2" = 160 scfm	1/4" = 60 scfm 1/2" = 160 scfm	1/4" = 60 scfm 1/2" = 160 scfm	Type 380-3/4" & 1": 425 scfm (12,027 NI/min) Type 390-3/4": 450 scfm (12,735 NI/min); 1": 500 scfm (14,150 NI/min)	300 scfm (8,490 NI/min)	3/4": 375 scfm (10,613 NI/min) 1": 425 scfm (12,028 NI/min)
<b>Maximum Signal Pressure</b>				150 psig (10.0 BAR)		150 psig (10.0 BAR)
<b>Signal to Output Ratio</b>				1:1		1:1
<b>Deadband</b>				Under 0.25 psig (0.017 bar)		Under 0.2 psig (.01 BAR)

TYPE 250	
<b>Maximum Supply Pressure</b>	125 psig (8.35 BAR)
<b>Cut-off Pressure Range</b>	15-60 psig (1-4 BAR) 30-120 psig (2-8 BAR)
<b>Operating Temperatures</b>	0° to 160°F (-18° to +71°C)
<b>Porting</b>	1/4" NPT
<b>Weight:</b>	4 lbs (1.8 kg)



# I/P pressure transducers and regulators packed with features that make them ideal for food processing environments

## I/P Transducers



## Potable Water Pressure Regulator



	TYPE 550		TYPE 900		TYPE 870
<b>Features</b>	<ul style="list-style-type: none"> <li>• Compact Size</li> <li>• Easy Wiring</li> <li>• Mounting Options</li> <li>• Input/Output Ports on Front and Back</li> <li>• External Zero and Span Adjustments</li> <li>• Field Reversible Capability</li> </ul>		<ul style="list-style-type: none"> <li>• Electronic Closed-loop Feedback</li> <li>• Compact Size</li> <li>• Easy Wiring</li> <li>• Input/Output Ports on Front and Back</li> <li>• Intrinsic Safety Approvals</li> </ul>		<ul style="list-style-type: none"> <li>• Easy and Accurate Adjustment</li> <li>• 1/8" &amp; 1/4" NPT &amp; BSP Porting</li> <li>• Compact &amp; Lightweight</li> </ul>
	<b>Standard Range</b>	<b>Zero based range</b>	<b>Standard Range</b>	<b>High Output Range</b>	<b>Food Grade Potable Water</b>
<b>Input Ranges</b>	4-20 mA, 0-5 v DC 0-10 v DC, 1-5 v DC 1-9 v DC	4-20 mA, 0-5 v DC 0-10 v DC, 1-5 v DC	4-20 mA, 0-10 v DC, 1-9 v DC, 1-5 v DC 1-9 v DC		N/A
<b>Output Ranges psig (bar)</b>	3-15 (0.20-1.00) 3-27 (0.20-1.80) 6-30 (0.40-2.00) 2-60 (0.14-4.00) 3-120 (0.20-8.00)	0-30 (0.00-2.00) 0-60 (0.00-4.00) 0-120 (0.00-8.00)	1-17 (0.07-1.20) 3-15 (0.20-1.00) 3-27(0.20-1.80) 6-30 (0.40-2.00) 0-15*(0.00-1.00) 0-30*(0.00-2.00)	2-60 (0.20- 4.00) 2-100 (0.14 - 6.70) 0-60* (0.00-4.00) 0-60 (0-4.1) 0-100 (0-6.9)	0-5 (0-0.4) 0-15 (0-1.0) 0-30 psig (0-2.1)
<b>Porting</b>	Pneumatic 1/4" NPT/BSP		Pneumatic - 1/4" NPT/BSP Electric - 1/2" NPT/BSP		Inlet and outlet 1/8" or 1/4" NPT/BSP Gauge (2) 1/8" NPT/BSP
<b>Air Consumption</b> *Zero-based units have slightly higher air consumption	1.8 scfh (0.9 NI/min) at mid range typical	6.0 scfh (3 NI/min) at mid range typical	1.5 scfh (0.75 NI/min) at mid range typical	4.5 scfh (2.25 NI/min) at mid range typical	N/A
<b>Supply Pressure psig (bar)</b>	100 psig (6.90 BAR) max. (3-15, 3-27, 6-30 psig) 150 psig (10.00 BAR) max.	100 psig (6.90 BAR) max. (0-30, 0-60 psig) 150 psig (10.00 BAR) max.	22-60 (1.50-4.0) 20-100 (1.40-6.90) 32-100 (2.20-6.90) 35-100 (2.40-6.90) 25-65 (1.72-4.50) 40-70 (2.75-4.82)-80	65-130 (4.50-9.00)  105-130 (7.20-9.00)  70-80 (4.82-5.50)	150 psig (10.00 BAR) max.
<b>Flow Capacity</b>	4.5 scfm (127.35 NI/min) at 25 psig (1.70 BAR) supply (3-15, 3-27, 6-30 psig)  12.0 scfm (340 NI/min) at 100 psig (6.90 BAR) supply (3-15, 3-27, 6-30, 2-60 psig)  20.0 scfm (566 NI/min) at 150 psig (10.00 BAR) supply (3-120 psig)	12.0 scfm (340 NI/min) at 100 psig (6.90 BAR) supply (0-30, 0-60 psig)  20.0 scfm (566 NI/min) at 150 psig (10.00 BAR) supply (0-120 psig)	4.5 scfm (127.35 NI/min) at 25 psig (1.7 BAR) supply  12.0 scfm (340 NI/min) at 100 psig (7.0 BAR) supply	20.0 scfm (566 NI/min) at 150 psig (10.0 BAR) supply	2.2 gal/min.
<b>Operating Temperature</b>	-20° to +150° F (-30° to +65° C)	-20° to +150° F (-30° to +65° C)	Operating: -40° to +158° F (-40° to +70° C)	Storage: -40° to +200° F (-40° to +93° C)	0°F to 150°F (-18° C to 60° C)



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