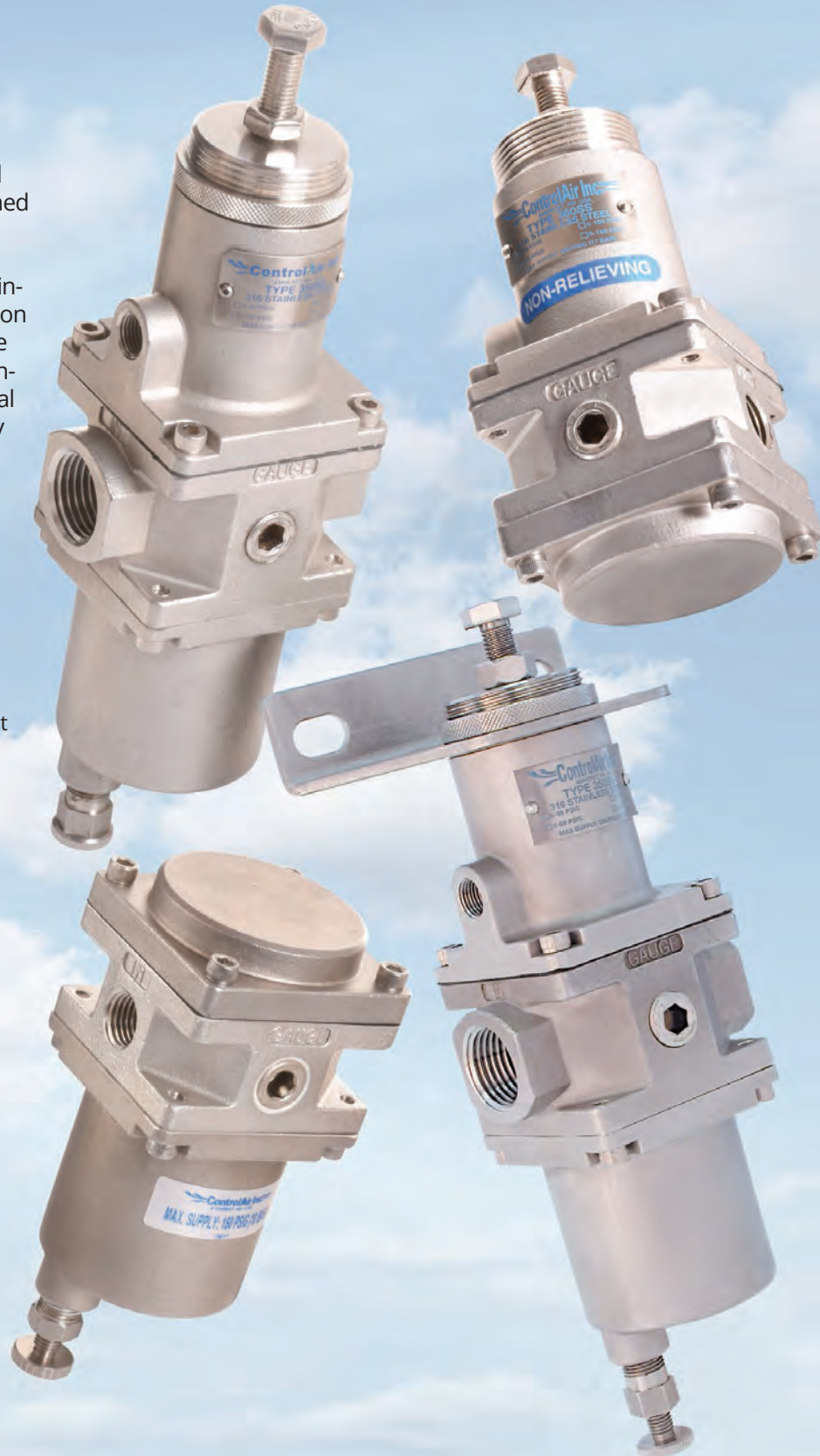![ControlAir logo]

Type 350/360/370SS Series
Stainless Steel Regulators and Filters
Type 350SS Stainless Steel Filter Regulator | Type 360SS Stainless Steel Regulator
Type 370SS Stainless Steel Filter

The Type 350/360/370SS series of stainless steel regulators, filter regulators and filters are designed to stand up to the harshest environments while providing highly accurate pressure regulation. Proven 316L stainless steel housing and 316 stainless steel filter assemblies along with fluorocarbon elastomers make the 350/360/370SS compatible with sour gas and adaptable to off shore environments. These quality instruments are economical to buy as well as operate, and provide extremely stable and repeatable control of gas pressure. Oversized valving helps the units achieve high flow rates with minimal pressure drop.

Features

- **All 316 Stainless Steel Construction**
  Ideal for sour gas and/or corrosive environments
- **NACE Compliant**
  Meets NACE #MR-0175 material requirement for sulfide stress cracking
- **1/4" NPT and 1/2" NPT**
  Ported Versions
- **Autodrain Option**
- **Low Temperature Option**
- **High Flow Capacity**
- **Tapped Exhaust Port**
  Permits remote venting of hazardous gases
- **Minimal Air Consumption**
  Low cost of ownership

Specifications

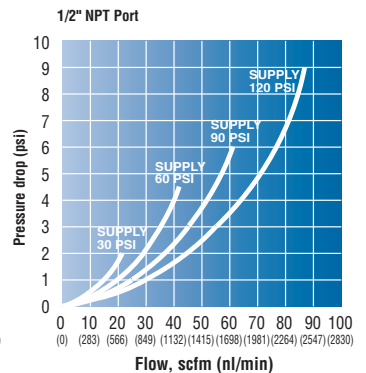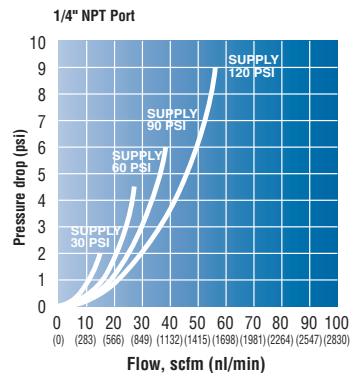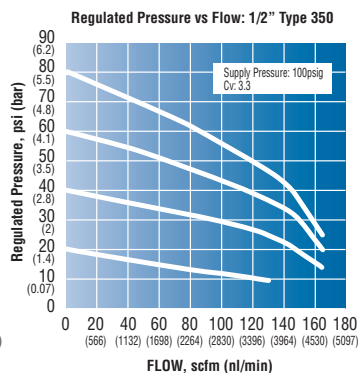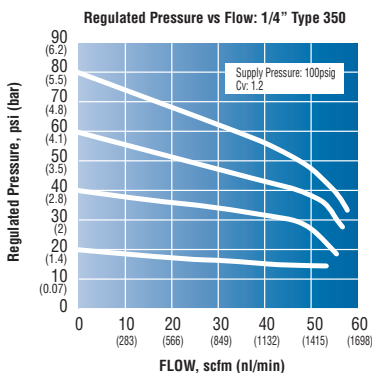|	**Type 350SS**	**Type 360SS**	**Type 370SS**
Output Ranges:	0-30 psig (0-2.0 BAR), 0-60 psig (0-4.0 BAR), 0-100psig (0-7.0 BAR), 0-150 psig (0-10.0 BAR)		Not applicable
Exhaust Capacity:	1.0 SCFM (30 Nl/min) at downstream pressure of 10 psig (0.7 BAR) above set point		Not applicable
Maximum Supply Pressure:	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)
Maximum Flow Coefficients (Cv):	1/4" = 1.2 1/2" = 3.3		
Air Consumption:	4 SCFH (2 Nl/min) maximum		Not applicable
Operating Temperatures:	-20° to +185° F (-29° C to +85° C) Autodrain Option: (Type 350 and Type 370 only) 32° to 185°F (0° to 85°C) Low Temperature Option: -61° to +194° F (-52° to + 90° C)		
Filter:	25 micron optional 5 micron filter	Not applicable	25 micron optional 5 micron filter
Porting:	Inlet/Outlet: 1/4" NPT or 1/2" NPT Gauge (2): 1/4" NPT Exhaust: 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
Materials:	316L stainless steel: housings 316 stainless steel: filter, range spring, trim Inconel: valve spring Fluorocarbon: diaphragm, seals Silicone: diaphragm, seals (low temperature option)		
Weight:	1/4" NPT: 2.2 lbs. (1.0 kg) 1/2" NPT: 2.8 lbs. (1.3 kg) Additional for Autodrain: 0.6 lbs. (0.3 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)
Operating Media:	Air, inert gas, sweet (natural) and sour gases		

Regulated Pressure vs. Flow (Type 350/360SS, typical)
(0-100 psig range, 105 psig supply)

Regulated Pressure vs Flow: 1/4" Type 350

Supply Pressure: 100psig
Cv: 1.2

Regulated Pressure, psi (bar)

FLOW, scfm (nl/min)

Regulated Pressure vs Flow: 1/2" Type 350

Supply Pressure: 100psig
Cv: 3.3

Regulated Pressure, psi (bar)

FLOW, scfm (nl/min)

Pressure Drop vs. Flow (Type 370SS, typical)

1/4" NPT Port

SUPPLY 120 PSI
SUPPLY 90 PSI
SUPPLY 60 PSI
SUPPLY 30 PSI

Pressure drop (psi)

Flow, scfm (nl/min)

1/2" NPT Port

SUPPLY 120 PSI
SUPPLY 90 PSI
SUPPLY 60 PSI
SUPPLY 30 PSI

Pressure drop (psi)

Flow, scfm (nl/min)

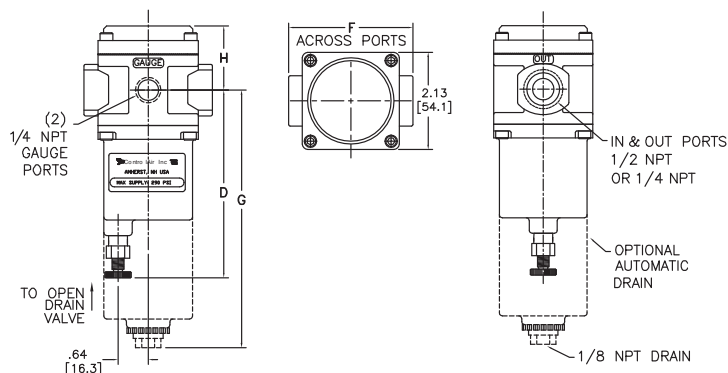| Port Size (NPT)	A		B		C		D		E		F		G		H		J	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
1/4"	4.40	111.8	2.65	67.3	2.24	56.9	3.71	56.9	1.38	35.1	2.13	54.1	5.20	135.1	1.22	31.0	1.08	27.4
1/2"	4.54	115.3	2.79	70.9	2.39	60.7	3.98	60.7	1.52	38.6	2.72	69.1	5.46	138.7	1.36	34.5	3.08	78.2

Type 350SS
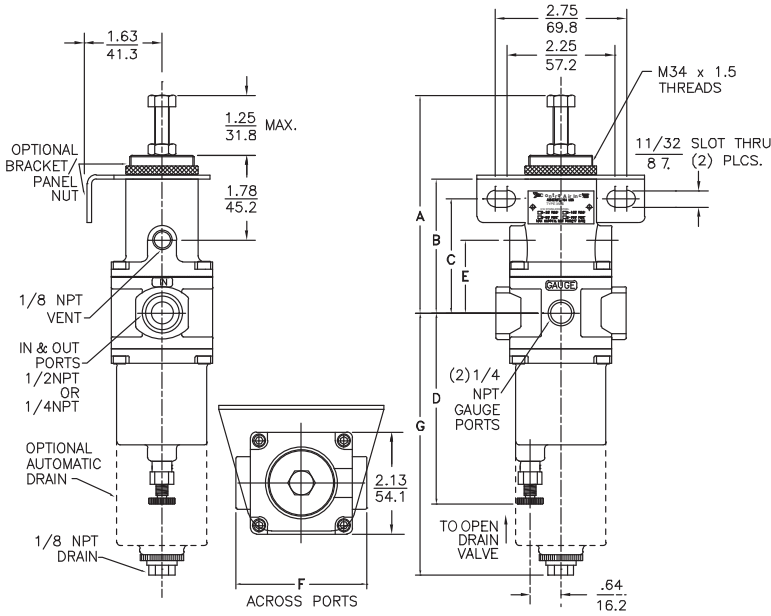
Type 360SS
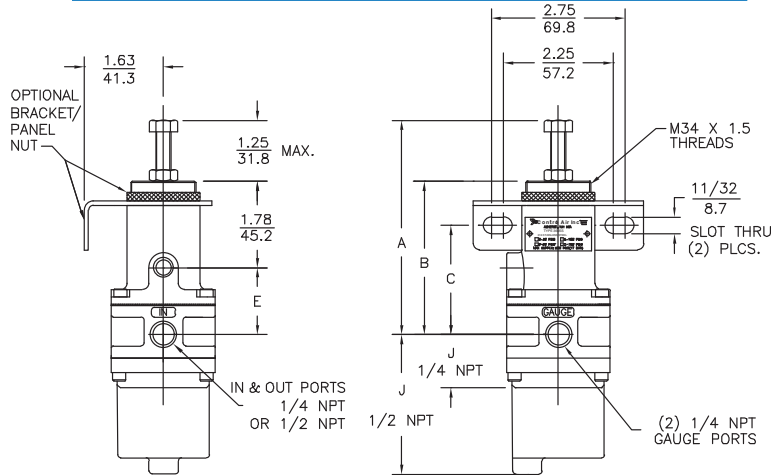
370SS

- Low air consumption for greater operating economy
- Tapped exhaust for remote venting
- 1/4" NPT and 1/2" NPT porting
- Competetively priced
- Low droop at high flow levels
- 316 stainless steel housing and filter assemblies
- High flow manual drain for easy maintenance
- Compact size
- Large flow paths to minimize pressure drop
- Meets all NACE requirements
- Automatic drain option (shown)
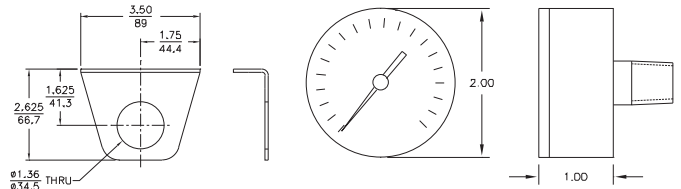- Excellent stability and repeatability, even in harsh environments
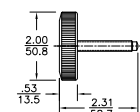
Mounting Bracket
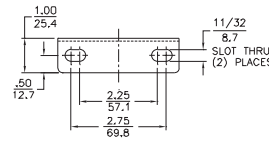
Panel Nut
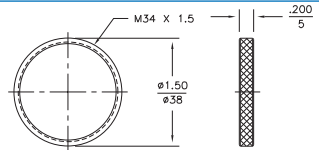
Pressure Gauge

Knob

Drawing downloads available at www.controlair.com

Ordering

Type 350SS Filter Regulator

Model	Part Number	Port Size (NPT)	Output Range (psi)	(BAR)
350SS	350-BA	1/4"	0 - 30.0	0 - 2.0
350SS	350-BB	1/4"	0 - 60.0	0 - 4.0
350SS	350-BC	1/4"	0 -100.0	0 - 7.0
350SS	350-BD	1/4"	0 -150.0	0 -10.0
350SS	350-DA	1/2"	0 - 30.0	0 - 2.0
350SS	350-DB	1/2"	0 - 60.0	0 - 4.0
350SS	350-DC	1/2"	0 -100.0	0 - 7.0
350SS	350-DD	1/2"	0 -150.0	0 -10.0

Type 360SS Regulator

Model	Part Number	Port Size (NPT)	Output Range (psi)	(BAR)
360SS	360-BA	1/4"	0 - 30.0	0 - 2.0
360SS	360-BB	1/4"	0 - 60.0	0 - 4.0
360SS	360-BC	1/4"	0 -100.0	0 - 7.0
360SS	360-BD	1/4"	0 -150.0	0 -10.0
360SS	360-DA	1/2"	0 - 30.0	0 - 2.0
360SS	360-DB	1/2"	0 - 60.0	0 - 4.0
360SS	360-DC	1/2"	0 - 100.0	0 - 7.0
360SS	360-DD	1/2"	0 - 150.0	0 - 10.0

Type 370SS Filter

Model	Part Number	Port Size (NPT)
370SS	370-BX	1/4"
370SS	370-DX	1/2"

Warranty ControlAir LLC products are warranted to be free from defects in materials and workmanship for a period of eighteen months from the date of sale, provided said products are used according to ControlAir LLC recommended usages. ControlAir LLC's liability is limited to the repair, purchase price refund, or replacement in kind, at ControlAir LLC's sole option, of any products proved defective. ControlAir LLC reserves the right to discontinue manufacture of any products or change products materials, designs or specifications without notice. Note: ControlAir does not assume responsibility for the selection, use, or maintenance of any product. Responsibility for the proper selection, use, and maintenance of any ControlAir product remains solely with the purchaser and end user. Drawing downloads available at www.controlair.com

Drawing downloads available at www.controlair.com

Options Add proper letter at end of model number.

A - Automatic Drain (Type 350 and Type 370 only)
Float operated drain with 1/8" NPT connection. Maximum 150 psig supply pressure. Minimum 32°F (0°C) temperature.

F - 5 Micron Filter
Standard 25 micron filter is replaced with 5 micron filter for more complete air filtration

K - Knob with stainless steel stem

L - Low Temperature Operation
For "Arctic" applications. Good for temperatures range of -61°F to +194°F (-52°C to +90°C). Not suitable for sour natural gas

N - Nonrelieving
For constant flow or downstream pressure relief applications

R - EAC TR-CU

X - ATEX 2014/34/EU

Note: Options A and L cannot be combined.

Accessories.

Panel Nut -P/N 446-734-052

Mounting Bracket Kit -P/N 448-542-011
Includes mounting bracket and panel nut

Pressure Gauge -2" face: dual scale: 1/4" NPT centerback connection: stainless steel case and internals

0-30 psig (0-2.0 BAR)	P/N 445-725-019
0-60 psig (0-4.0 BAR)	P/N 445-725-020
0-160 psig (0-11.0 BAR)	P/N 445-725-021

Bug Screen - P/N 445-761-005
1/8" NPT stainless steel exhaust screen fitting

Applications

The Type 350/360/370SS is used extensively by OEMs and end users to supply clean air to pneumatic controllers, transmitters, transducers, valve positioners, air cylinders, and a wide range of pneumatic control systems.

Applications include:

Petrochemical processing, both on and offshore

Food, pulp and paper, and pharmaceutical processing

Pollution control

Waste water treatment

ControlAir

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