



ISO Registered Company

# MODEL 5300P

## AIR FILTER REGULATOR

### OVERVIEW

The Model 5300P is a 316 SST self-contained pressure reducing air regulator designed for gaseous service including sour gas and other corrosive gases. The unit is capable of controlling outlet pressure between 0-150 psig (0.0-10 Barg) with a maximum inlet pressure of 290 psig (20 Barg).



MODEL 5300P

### FEATURES

- Body Size:** 1/4" NPT
- Flow Capacity:** 22 SCFM at 100 psi supply and 20 psi output.
- Exhaust Capacity:** 1.0 SCFM at downstream pressure of 10 psi about setpoint.
- Max Supply Pressure:** 290 psig
- Operating Temperature:** -20° F to 180° F
- Inlet/Outlet/ Gauge Porting:** 1/4" NPT
- Exhaust Porting:** 1/8" NPT
- 316 SST Parts:** Body, Bonnet, Filter, Adjusting Spring
- Viton Parts:** Diaphragm, Seals
- Inconel Parts:** Valve Spring

### APPLICATIONS

The all SST construction allows the 5300P to be used in petrochemical processing, food, pulp and water, pharmaceutical, wastewater treatment, research projects and offshore platform applications.

The 5300P is NACE compatible and features a tapped exhaust port for remote venting.



### LINE SIZES AVAILABLE

1/4" (DN8)



### END CONNECTIONS

NPT



### COMMON APPLICATIONS

PETROCHEMICAL PROCESSING, FOOD, PULP, PAPER, PHARMACEUTICAL, WASTEWATER TREATMENT, SOUR GAS, CORROSIVE GASES



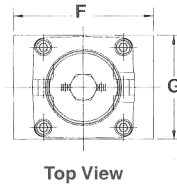
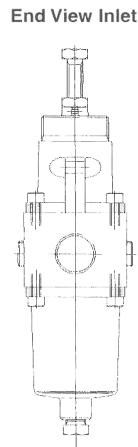
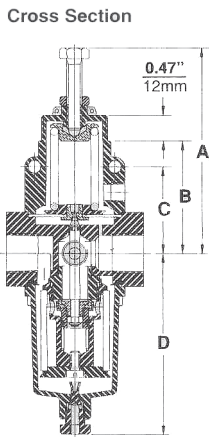
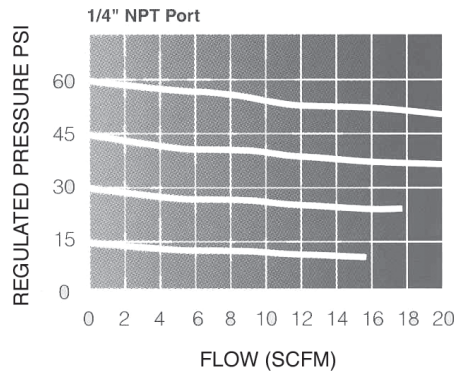
### DESIGN PRESSURE

INLET: UP TO 290 psig (20 Barg)

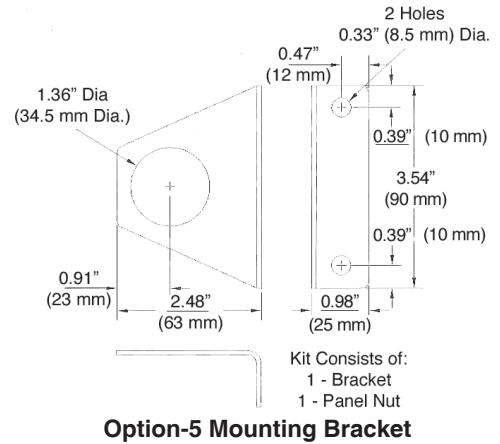
OUTLET: 0-150 psig (0.0-10 Barg)

# PERFORMANCE CHARACTERISTICS

**Regulated Pressure vs. Flow (typical)**  
**3-100 psig Range, 105 psi supply**

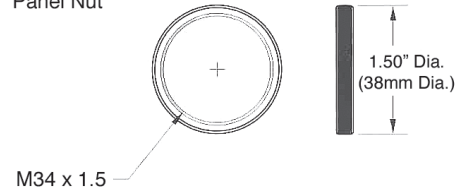


A 2.00" (50mm) minimum clearance is required to remove bowl and element.



## Accessories

Panel Nut



**Option-22 Panel Mounting Nut**

# DIMENSIONS AND WEIGHTS

ENGLISH UNITS (Inches)							
1/4" Body Size	A	B	C	D	F	G	Appx. Ship Weight
Standard	3.86	2.05	1.54	3.43	2.05	2.05	4.0 lbs.
-22 (Panel Mounting)	3.86	2.05	1.54	3.43	2.05	2.05	—
-5 (Mtg. Bracket)	3.86	2.05	1.54	3.43	2.05	2.05	—

## NOTES

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psig	Barg	CODE
0-30	0-2.0	<b>1</b>
0-60	0-4.0	<b>2</b>
0-100	0-7.0	<b>3</b>
0-150	0-10.0	<b>4</b>

5 3 2 — 0 0 0 7 — 1 [ ] [ ] 0 0 0 0 0 0 A

Model 5300P Airset

**ASSIGNMENT OF "OPTION" CODES**

1. When ordering a valve per one of Cashco's special drawings, the code "X" and the 5-digit number following override all other options. Otherwise, proceed with the following.
2. NUMERIC digits assigned first in "ascending" order.
3. ALPHA designations are assigned second (excluding the "X") in "alphabetical" order.
4. Left justify.
5. Add "0" to all unused squares.
6. If insufficient quantity of squares, consult factory for proper code.

Description	Option	CODE
None	-	<b>0</b>
Mounting Bracket	-5	<b>5</b>
Panel Mounting	-22	<b>C</b>

**\* For information on ATEX see pages 3 & 4 on the IOM.**