

3550 Series air service units – 1/4" to 3/4" Pressure Regulators

A 316L stainless steel unit for the pressure regulation of compressed air and gases for the actuation industries.

Features and Benefits

- Specifically designed for severe environments
- Non or self-relieving
- 316L stainless steel construction
- Large flow characteristics
- NACE: standard temperature only

Media & Ambient Temperature Range

- Standard temperature
-20 to +80 °C (-4 to +176 °F)
- Low temperature version
-50 to +80 °C (-58 to +176 °F)

Note: When product is ordered as /ATEX ambient temperature is limited to +40 °C (104 °F) Ex II 2G c T6.

Maximum Relief Flow

- At 2 bar (29 psi) secondary pressure
0.5 cc/sec (0.03 cu in/sec)

Flow

At 10 bar (145 psi) inlet pressure, 6 bar (87 psi) secondary pressure with 1 bar (14.5 psi) pressure drop.

- 1/4" - 3,780 l/min (133 SCFM)
- 1/2" and 3/4" - 6,180 l/min (218 SCFM)

Ports NPT

(BSP option available - consult factory for part codes)

- 1/4", 1/2", 3/4"

Gauge Ports

- 1/8" NPT
- 1/4" NPT (option available - suffix product code with 'X')

Relief Vent Port

- 1/8" NPT (fitted with breather)
- Note: Not fitted on low temperature option

Accessories Available

- Mounting brackets
- Stainless steel pressure gauge
- Hand wheel

See page 13-14 for ordering details

Certification Options Available



Operating Media

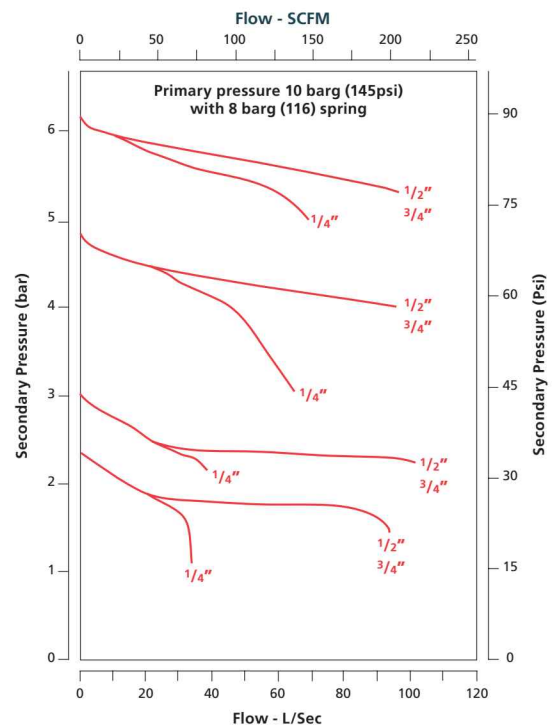
- Air, inert gas and sweet (natural) gas
- Sour gas (NACE) standard temperature only
- Suitable for water and other compatible liquids, consult Rotork Midland for detail

Note: To prevent freezing of the condensate within the product, the media dew point must be at least 10 °C below the lowest ambient temperature the product will be exposed to.

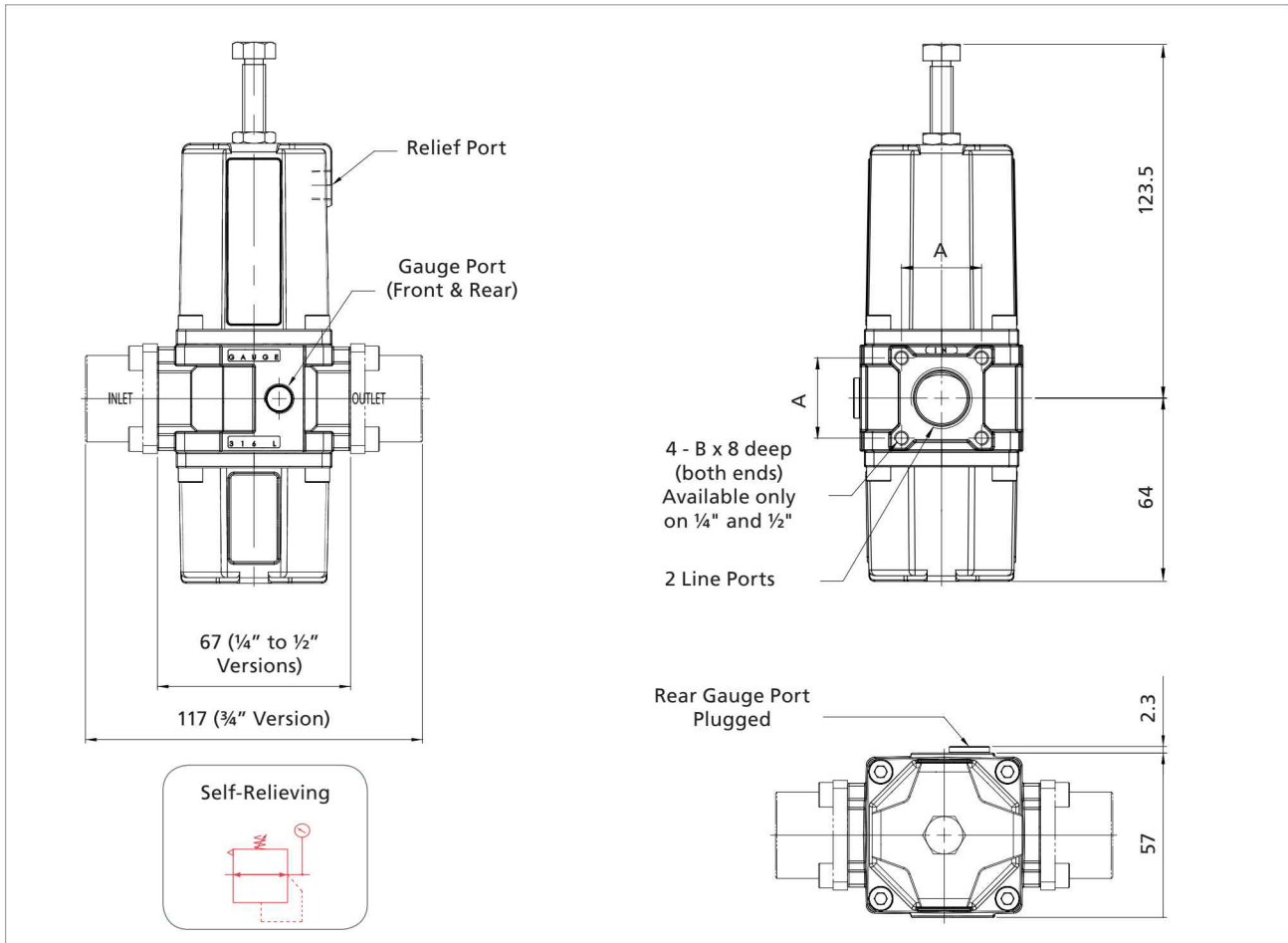
Construction Materials

- Body/bonnet/bowl and internals:
316L stainless steel and Ryton R-4
- Seals: Standard option - Fluoroelastomer
Low temperature option - EPDM and Fluorosilicone¹

¹ The use of lubrication upstream of the product is not recommended for low temperature applications.



3550 Series air service units – 1/4" to 3/4" Pressure Regulators - Engineering Drawings



Size	Regulated Pressure bar (psi)	Max Inlet Pressure bar	A	B	Weight kg	Cv
1/4"	0.50 to 2.0 (7.2 to 29)	20	24	M4	1.6	2.4
1/2"			28	M5	1.6	4.4
3/4"			---	---	1.8	5.0
1/4"	0.50 to 4.0 (7.2 to 58)	20	24	M4	1.6	2.4
1/2"			28	M5	1.6	4.4
3/4"			---	---	1.8	5.0
1/4"	0.50 to 8.0 (7.2 to 116)	20	24	M4	1.6	2.4
1/2"			28	M5	1.6	4.4
3/4"			---	---	1.8	5.0
1/4"	0.50 to 12.0 (7.2 to 174)	20	24	M4	1.6	2.4
1/2"			28	M5	1.6	4.4
3/4"			---	---	1.8	5.0

3550 Series Coding Chart - Pressure Regulators

Additional Options

Size		Type		Material		Seals °C (°F)		Regulated Pressure bar (psi)		Port Style		Revision	Gauge Port		Approval	
2	1/4"	PRV	Self Relieving	S	Stainless	V	Standard -20 (-4)	02	2 (29)	1	BSP	A	X	1/4" NPT Gauge Port	/ATEX	Ex II 2G c T6
4	1/2"	PRN	Non Relieving			F ¹	Low Temp -50 (-58)	04	4 (58)	2	NPT			w/o option		w/o option
6	3/4"							08	8 (116)							
								12	12 (174)							

¹ NACE not available in low-temperature options