

## 3550 Series air service units – ¼" to ¾" Filters

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

### Features and Benefits

- Specifically designed for severe environments
- 40 micron element stainless steel 316 as standard, 5 micron option available
- 316L stainless steel construction
- Large flow characteristics
- NACE: standard temperature and manual drain 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 Inlet Pressure

- Manual drain - 20 bar (290 psi)
- Automatic drain - 17 bar (247 psi)

### Flow

At 7 bar (102 psi) supply pressure, 0.35 bar (5 psi) pressure drop.

- ¼" - 1,380 l/min (49 SCFM)
- ½" and ¾" - 2,940 l/min (104 SCFM)

### Ports NPT

(BSP option available - consult factory for part codes)

- ¼", ½", ¾"

### Automatic Drain Port

- ⅛" NPT

### Bowl Capacity

- 21 cc (1.28 cu ins)

### Accessories Available

- Mounting brackets

See page 13 for ordering details

### Certification Options Available



### Operating Media

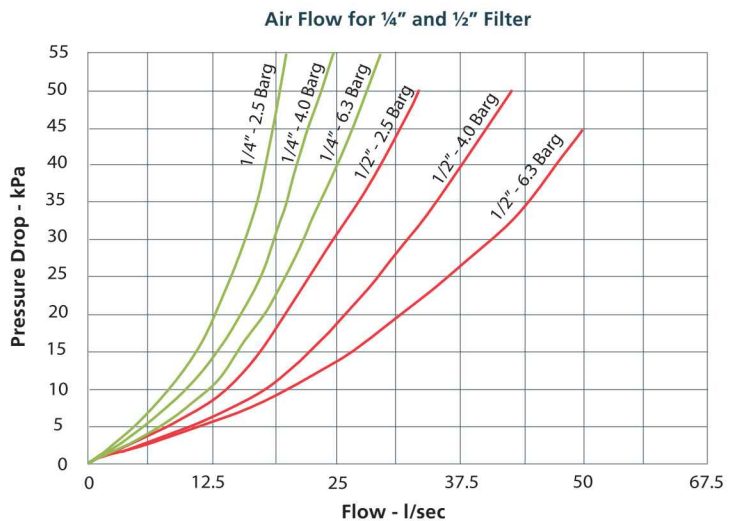
- Air, inert gas and sweet (natural) gas
- Sour gas (NACE) standard temperature and manual drain only
- Suitable for water and other compatible liquids - manual drain only, consult Rotork Midland for details

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.

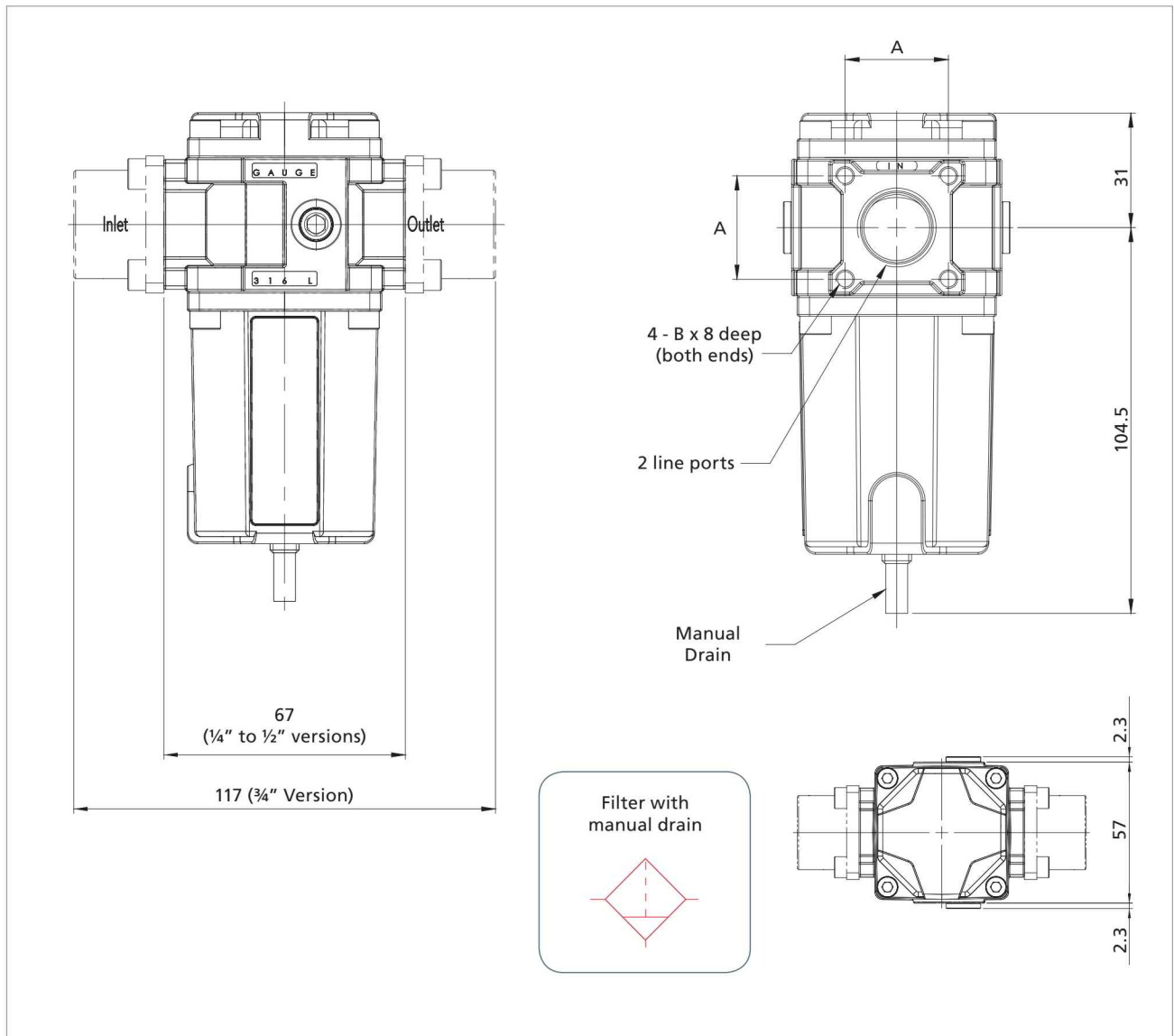
### Construction Materials

- Body/bonnet/bowl and internals: 316L stainless steel and Ryton R-4  
Note: on auto-drain version float is nylon, polyoxymethylene and rubber.
- Element: 40 micron 316 stainless steel (5 micron option available - suffix product code with '05')
- Seals: Standard option - Fluoroelastomer  
Low temperature option - EPDM and Fluorosilicone<sup>1</sup>

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

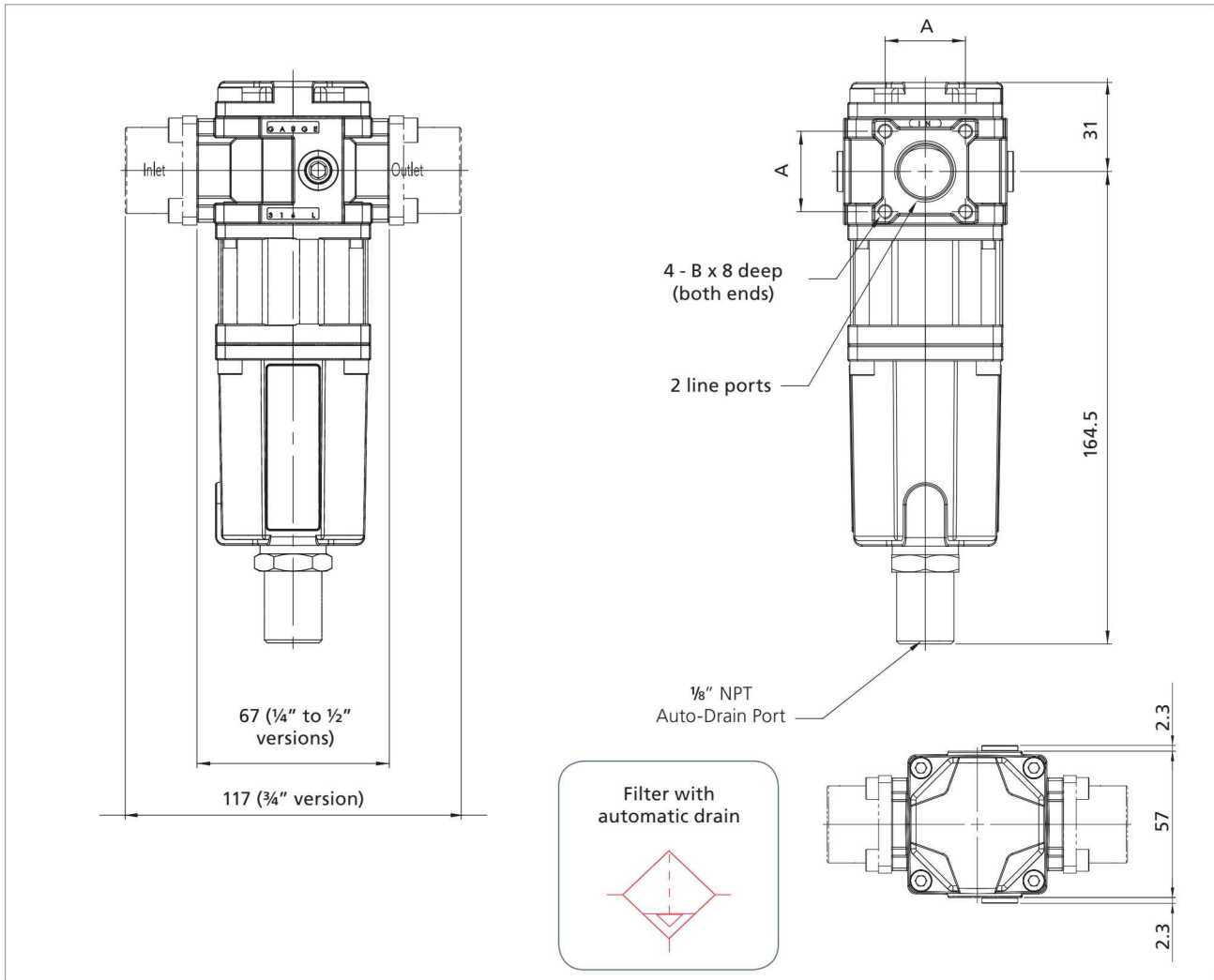


# 3550 Series air service units – 1/4" to 3/4" Filters - Engineering Drawings (manual drain)



Size	Filter	Max Inlet Pressure bar	A	B	Weight kg	Cv
1/4"	Manual Drain	20	24	M4	1.3	2.4
1/2"			28	M5	1.3	4.4
3/4"			-	-	1.5	5.0

# 3550 Series air service units – ¼" to ¾" Filters - Engineering Drawings (auto drain)



Size	Filter	Max Inlet Pressure bar	A	B	Weight kg	Cv
¼"	Auto Drain	17	24	M4	1.6	2.4
½"			28	M5	1.6	4.4
¾"			-	-	1.8	5.0

## 3550 Series Coding Chart - Filters

Size		Type <sup>1</sup>		Material		Seals °C (°F)		Max Inlet Pressure bar (psi)		Port Style		Revision	Filter Element (40 micron standard)		Approval	
2	¼"	FLM	Manual Drain	S	Stainless	V	Standard -20 (-4)	17	17 (247) (FLA only)	1	BSP	A	05	5 micron	/ATEX	Ex II 2G c T6
4	½"	FLA <sup>1</sup>	Auto Drain			F <sup>2</sup>	Low Temp -50 (-58)	20	20 (290) (FLM only)	2	NPT			w/o option		w/o option
6	¾"															
●		●		S		●		●		●		A	●		●	

<sup>1</sup> NACE not available in auto-drain or low temperature options

<sup>2</sup> Low temperature option not available in auto-drain