

# Stainless Steel Compressed Air Filters

For the most demanding environments



## Protect your equipment from contamination:

Finite Filter's stainless steel compressed air filters protect sensitive equipment and instruments from the dirt, water, and oil usually found in compressed air and other gases. These filters will remove contaminants at a very high efficiency - up to 99.995% for submicronic particles and droplets. Coalesced liquid drips off the filter cartridge to the drain as additional contamination enters the filter, allowing the filter to remove liquids without the loss of efficiency or flow capacity. These filters are constructed of 304 stainless steel and are designed to withstand the harshest environments.



## Contact Information:

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## Product Features:

- All 304 stainless steel construction
- Remove up to 99.995% of oil, water and solids from compressed air and other gases
- Continuously trap and drain liquids
- Remove trace amounts oil vapor with adsorbent cartridges

## Applications:

- Refineries
- Chemical plants
- Steel and metal fabrication plants
- General industrial

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## Specifications

Stainless Steel Housings	SN3L	SN4L
Port Size	3/4" NPT	1" NPT
Max Pressure	250 PSIG*	250 PSIG*
Height	4" W x 12" L	4" W x 12" L
Weight	14 lbs.	13 lbs.
Materials		
Head	304 Stainless Steel	
Bowl	304 Stainless Steel	
Internals	Stainless Steel	
Seals	Fluorocarbon	
Drain Port	1/8" NPSM (auto drain option available)	

\*Max Pressure is limited to 175 PSIG with the Auto Drain Option.

## Flow Rates

Element Grade	SN3L/SN4L SCFM @ 100 PSIG
4	80
6	105
8	140
10	170
3PU	170
AU	105
100WSU	170

## Media Specifications

Grade	Coalescing Efficiency .3 to .6 Micron Particles	Maximum Oil Carryover <sup>1</sup> PPM w/w	Micron Rating	Pressure Drop (PSID) @ Rated Flow <sup>2</sup>	
				Media Dry	Media Wet With 10-20 wt. oil
4	99.995%	0.003	0.01	1.25	3-4
6	99.97%	0.008	0.01	1.0	2-3
8	98.5%	0.2	0.5	0.5	1-1.5
10	95%	0.85	1.0	0.5	0.5
3PU	n/a	n/a	3.0	0.25	n/a
AU	99+% <sup>3</sup>	n/a	3.0	1.0	n/a
100WSU	99+% <sup>4</sup>	n/a	100	<0.25	<0.25

<sup>1</sup>Tested per ISO-12500-1 at 40 ppm inlet.

<sup>2</sup>Add dry + wet for total pressure drop.

<sup>3</sup>Oil vapor removal efficiency is given for A media.

<sup>4</sup>Bulk liquid removal efficiency.

## Part Numbers and Descriptions

Part Numbers		
3/4" NPT Port Size		Max Temp
SN3L-*CUN	Coalescer	175°F
SN3L-*CUA	Coalescer with Auto Drain	120°F
SN3L-*HN	High Temp Coalescer	350°F
SN3L-*DSN	High Temp Coalescer (Metal Retained Element)	450°F
SN3L-3PUN	Particulate	175°F
SN3L-3PUA	Particulate with Auto Drain	120°F
SN3L-*GN	High Temp Particulate	350°F
SN3L-AUN	Carbon Adsorber	175°F
SN3L-100WSUN	Water Separator	175°F
SN3L-100WSUA	Water Separator with Auto Drain	120°F
1" NPT Port Size		
SN4L-*CUN	Coalescer	175°F
SN4L-*CUA	Coalescer with Auto Drain	120°F
SN4L-*HN	High Temp Coalescer	350°F
SN4L-*DSN	High Temp Coalescer (Metal Retained Element)	450°F
SN4L-3PUN	Particulate	175°F
SN4L-3PUA	Particulate with Auto Drain	120°F
SN4L-*GN	High Temp Particulate	350°F
SN4L-AUN	Carbon Adsorber	175°F
SN4L-100WSUN	Water Separator	175°F
SN4L-100WSUA	Water Separator with Auto Drain	120°F

\*insert media grade 4, 6, 8 or 10. See Media Specifications chart.

## Replacement Element Part Numbers

Replacement Element Part Numbers	Description
*CU17-058 x 1	Coalescer
*H17-058 x 1	High Temp Coalescer
*DS17-058 x 1	High Temp Coalescer (Metal Retained Element)
3PU17-058 x 1	Particulate
*G17-058 x 1	High Temp Particulate
AU17-058 x 1	Carbon Adsorber
100WSU17-058 x 1	Water Separator

\*insert media grade 4, 6, 8 or 10.

See Media Specifications chart.

