

# Donaldson LITHOGUARD® Point-of-Use Filters



The Science of Air Filtration  
for Critical Process Environments

Designed for high efficiency removal of base, acid and organic gas phase contaminants, Donaldson LITHOGUARD **Point-of-Use (POU)** filters are ideal for compressed air or pressurised N<sub>2</sub>, used in extremely high purity environments.

POU filters reduce the operational costs thanks to a tighter focus on a particular set of process contaminants, on a limited flow of gas, and are frequently used in purging applications.

- Various media options to suit specific environmental requirements
- Filters contain HEPA or ULPA particulate filtration in series with chemical filtration
- Multiple mechanisms of adsorption
- Stainless steel construction
- Wide variety of standard interconnects available
- Global sales and service

Donaldson®

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## Specifications

### Supply

- Clean Dry Air (CDA), N2, and other inert gases
- Max operating pressure - 150 psig / 10bar

### Options

- Used filter analysis
- Media is conditioned to the applicable relative humidity to match gas supply conditions and to maximise absorption efficiency.
- Custom designed to meet your application requirements

	Flow <i>slpm</i>	ΔP <i>mbar</i>	Dimensions*	Fitting	Weight <i>lbs/kg</i>
<b>CDA</b>					
P510830	130	<55	14.3 X 4" 362 x 102 mm	Inlet 12mm tube Outlet 8mm tube	18 / 8
P510978	200	<75	9.3 x 4" 236 x 102 mm	Inlet 1/2"VCR male Outlet 1/2"VCR female	11 / 5
P510979	200	<200	24.4 x 4" 620 x 102 mm	Inlet 1/2"VCR male Outlet 1/2"VCR female	18 / 8
P511885	50	<50	8.5 x 4" 216 x 102 mm	1/4" tube	11 / 5
P511961	583	<55	15.7 x 4" 399 x 102 mm	1"VCR male	18 / 8
P512886	100	<179	14.7 x 4" 372 x 102 mm	8 mm tube	18 / 8
<b>N2</b>					
P510885	40 -120	145 - 430	6.5 x 2.5" 166 x 64 mm	1/4"VCR male	2.8 / 1.3
P510988	40 - 120	145 - 430	6.5 x 2.4" 166 x 61 mm	1/4"VCR male	2.8 / 1.3
P511554	10	<62	6.7 x 2.5" 169 x 64 mm	1/4" tube	2.8 / 1.3
P512098	180	<500	6.2 x 2.5" 166 x 64 mm	1/2"VCR female	2.8 / 1.3
<b>Compressed Ambient Air (Air supplied from AMC filter cabinet)</b>					
P510172	130	55	15.1 x 4" 383 x 102 mm	1" BSPP	18 / 8
P510673	130	65	12.6 x 4" 319 x 102 mm	Inlet 1" BSPP Outlet 1/2" BSPP	18 / 8
P512045	170	<35	15.1 x 5" 384 x 127 mm	1" BSPP	20 / 9

\*Dimensions & weights are approximate

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