



LITHOGUARD® POINT-OF-USE FILTERS

Semiconductor Filtration

Lithoguard Point-of-Use (POU) filters provide reliable contaminant removal at the last possible moment before gas use.

Designed for removal of acid, base, organic, and silicone containing compound contaminants; Donaldson **LITHOGUARD® Point-of-Use (POU)** filters are ideal for pressurized air, nitrogen, and other inert gases where extremely high purity is required.



Donaldson LITHOGUARD® stainless steel point-of-use filters are prepurged and ready for immediate use.

FEATURES & BENEFITS

- For use with Clean Dry Air (CDA), compressed air, N₂, and other inert gases
- Designed to remove acid, base, organic, and silicone containing compound contaminants to less than sub-ppb levels
- Filters provide particulate filtration in addition to chemical filtration
- Filters prepurged and ready for immediate installation
- Max operating pressure - 150 psi / 10 bar @ 65° C
- Filter housing made of Type 304 stainless steel for cleanliness
- Filters are available for various flow rates (See table on back.)
- Custom filters can be designed for your specific application
 - Various media options to suit specific requirements
 - Wide variety of standard fittings available
- Used filter analysis available

FILTER SPECIFICATIONS

For use with CDA, compressed air, N₂ and other inert gases

Part No.	Contaminants Removed			Flow Rate (SLPM)	Pressure Drop at Design Flow Rate and 1 ATM Outlet Pressure (mbar)	Approx. Dimensions Dia. x L (mm)	Fittings
	Acid	Base	Organic				
> 99.999% Efficient @ 0.3 micron							
P516065	X	X	X	2	< 10	64 x 261	1/2" VCR female inlet, 1/2" VCR male outlet
P511554	X	X	X	10	< 62	64 x 169	1/4" tube
P517356	X	X	X	12	< 100	64 x 208	1/4" VCR male
P511885	X	X	X	50	< 50	102 x 216	1/4" tube
P512886	X	X	X	100	< 231	102 x 372	8mm tube
P510885	X	X	X	40 - 120	< 145 - < 430	64 x 166	1/4" VCR male
P510988			X	40 - 120	< 121 - < 467	61 x 166	1/4" VCR male
P513202	X	X	X	150	< 179	127 x 384	3/8" BSPT
P512098			X	180	< 500	64 x 166	1/2" VCR female
P510978	X	X	X	200	< 178	102 x 252	1/2" VCR male inlet, 1/2" VCR female outlet
P510979	X	X	X	200	< 350	102 x 634	1/2" VCR male inlet, 1/2" VCR female outlet
P516530	X	X	X	200	< 300	127 x 440	1/2" BSPT
P516162	X	X	X	200	< 200	102 x 229	3/8" BSPT
P515989	X	X	X	250	< 210	127 x 314	3/8" tube
P516932	X	X	X	250	< 120	140 x 411	3/4" VCR male
P515555	X	X	X	470	< 1000	102 x 345	1/2" VCR male
P516527	X	X	X	500	< 650	152 x 550	1/2" BSPT
P516187	X	X	X	500	< 800	102 x 319	3/8" BSPT
> 99.97% Efficient @ 0.3 micron							
P512045	X	X	X	170	< 35	127 x 384	1" BSPP
P512925	X	X	X	170	< 35	127 x 520	3/4" VCR female
X009989	X	X	X	170	< 35	127 x 512	1/2" BSPP
X009994	X	X	X	170	< 35	127 x 520	3/4" VCR female
X009992	X	X	X	170	< 35	127 x 448	1/2" VCR female
> 99.883% Efficient @ 0.3 micron							
P510673	X	X	X	130	< 65	102 x 319	1" BSPP inlet, 1/2" BSPP outlet
X009995	X	X	X	130	< 65	102 x 319	1" BSPP
P510830	X	X	X	130	< 90	102 x 370	12mm tube inlet, 8mm tube outlet
P513400	X	X	X	360	< 1200	64 x 128	1/2" BSPP
Particulate Efficiency N/A							
P513374	X	X	X	500	< 120	127 x 454	3/4" VCR female

Important Notice

Many factors beyond the control of Donaldson can affect the use and performance of Donaldson products in a particular application, including the conditions under which the product is used. Since these factors are uniquely within the user's knowledge and control, it is essential the user evaluate the products to determine whether the product is fit for the particular purpose and suitable for the user's application. All products, product specifications, availability and data are subject to change without notice, and may vary by region or country.



Donaldson Company, Inc.
Semiconductor
PO Box 1299
Minneapolis, MN 55440-1299 U.S.A.

donaldson.com
semiconductor@donaldson.com

United States of America
+1-952-887-3700

Europe, Middle East, & Africa
+32 1638 3983

Japan
+81 42 540 4119

Korea
+82 2 517 3333

Singapore & Malaysia
+65 6311 7373

Taiwan, Hong Kong, & China
+886 2 8692 5558