SOLBERG®
Filtration • Separation • Silencing

Medium to High Vacuum Filtration

WL Series ISO Flanges NW16 - NW40, K63 - K100

Overview

Solberg's WL Series Vacuum Filters are designed for a variety of industrial and semicon processes where rapid thermal and/or pressure cycles create harsh operating conditions. Ideal for medium-high vacuum applications that utilize vacuum furnaces or deposition tools, the WL series comes standard with a variety of vacuum rated flange options and replaceable filter elements that offer superior protection and longevity for the vacuum system.

Housings in this series are 100% helium leak tested to ensure vacuum integrity and verify leak rates down to 1x10^{-5} mbar L/s.

Features

- Stainless steel ISO flange connections
- Seamless drawn housings
- Corrosive resistant carbon steel construction
- Powder coat finish (black models)
- O-ring housing seal
- Stainless steel torsion clips

Technical Specifications

- Vacuum leak rate: 1x10^{-5} mbar L/sec (verified by helium leak test)
- Temp (continuous): min -26°C (-15°F) max 104°C (220°F)
- Filter change out differential: 37-50 mbar over initial ΔP
- Polyester: 99%+ removal efficiency standard to 5 micron
- Paper: 99%+ removal efficiency standard to 2 micron

Options

ATEX Available

- Filter media options available to meet strict process requirements: PTFE, PTFE Glass, SS mesh, and more
- Activated alumina, activated carbon, and zeolite available for foreline trapping and other applications
- Stainless steel (select models)
- Contact factory for larger sizes

Rev: EU2402C2

For more information:

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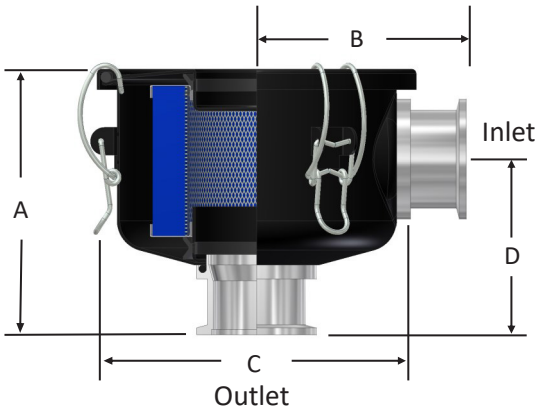

SS ISO Flange w/Black Filter Assembly Finish

ISO Flg Inlet & Outlet	Assembly m^3/hr Rating	Assembly Part Number		Dimensions - mm				Suggested Service ht. mm	Approx. Weight (kg)	Replacement Element Part No.		Element m^3/hr Rating
		Polyester	Paper	A	B	C	D			Polyester	Paper	
NW16	39	**WL-825-NW16B**	**WL-824-NW16B**	103	66	95	58	68	0.4	825	824	42
NW25	42	**WL-825-NW25B**	**WL-824-NW25B**	103	66	95	58	68	0.4	825	824	42
NW25	59	**WL-843-NW25B**	**WL-842-NW25B**	117	86	146	70	70	1	843	842	93
NW40	93	**WL-843-NW40B**	**WL-842-NW40B**	126	96	146	80	70	1	843	842	93
NW40	136	**WL-849-NW40B**	**WL-848-NW40B**	188	118	187	121	121	2	849	848	195
K63	357	**WL-851-K63B**	**WL-850-K63B**	296	155	222	165	222	7	851	850	493
K100	885	**WL-239-K100B**	**WL-238-K100B**	395	221	337	220	254	10	239™	238™	969

SS ISO Flange w/Electroless Nickel Filter Assembly Finish

ISO Flg Inlet & Outlet	Assembly m^3/hr Rating	Assembly Part Number		Dimensions - mm				Suggested Service ht. mm	Approx. Weight (kg)	Replacement Element Part No.		Element m^3/hr Rating
		Polyester	Paper	A	B	C	D			Polyester	Paper	
NW16	39	**WL-825-NW16EN**	**WL-824-NW16EN**	103	66	95	58	68	0.4	825	824	42
NW25	42	**WL-825-NW25EN**	**WL-824-NW25EN**	103	66	95	58	68	0.4	825	824	42
NW25	59	**WL-843-NW25EN**	**WL-842-NW25EN**	117	86	146	70	70	1	843	842	93
NW40	93	**WL-843-NW40EN**	**WL-842-NW40EN**	126	96	146	80	70	1	843	842	93
NW40	136	**WL-849-NW40EN**	**WL-848-NW40EN**	188	118	187	121	121	2	849	848	195
K63	357	**WL-851-K63EN**	**WL-850-K63EN**	296	155	222	165	222	7	851	850	493
K100	885	**WL-239-K100EN**	**WL-238-K100EN**	395	221	337	220	254	10	239™	238™	969

Rated flows are determined based upon atmospheric conditions, for exact sizing or larger flows, please contact factory.

*See Vacuum Filter Technical Data for vacuum service data and sizing guidelines.

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WL Series ISO Flanges K100 - K320

Overview

Solberg's WL Series Vacuum Filters are designed for a variety of industrial and semicon processes where rapid thermal and/or pressure cycles create harsh operating conditions. Ideal for medium-high vacuum applications that utilize vacuum furnaces or deposition tools, the WL series comes standard with a variety of vacuum rated flange options and replaceable filter elements that offer superior protection and longevity for the vacuum system.

Housings in this series are 100% helium leak tested to ensure vacuum integrity and verify leak rates down to 1x10^{-5} mbar L/s.

K320 configuration

Features

- ISO-K stainless steel flanges standard
- K200 housings and larger have domed lid with hinge to minimize deflection
- NW10 differential ports for accurate vacuum ΔP readings
- Corrosive resistant black powder coat carbon steel
- Painted o-ring groove, free of scratches
- Lifting lugs and leg brackets standard

Technical Specifications

- Rated vacuum leak rate of 1x10^{-5} mbar L/sec or better (verified by helium leak test)
- Temp (continuous): min -26°C (-15°F) max 104°C (220°F)
- Filter change out differential: 37-50 mbar over initial ΔP
- Polyester: 99%+ removal efficiency standard to 5 micron
- Paper: 99%+ removal efficiency standard to 2 micron

Options

ATEX Available

- Filter media options available to meet strict process requirements: PTFE, PTFE Glass, SS mesh, and more
- Activated alumina, activated carbon, and zeolite available for foreline trapping and other applications
- Stainless steel (select models)

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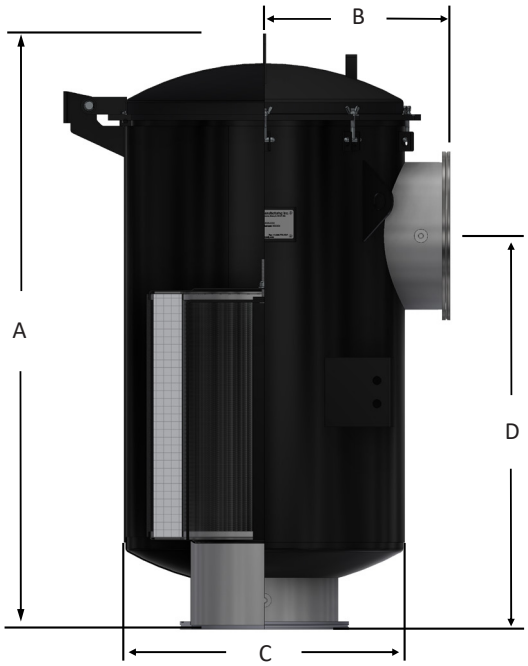
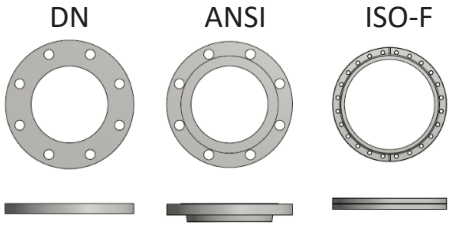


ISO-K Inlet & Outlet	Assembly m³/hr Rating	Assembly Part Number		Dimensions - mm				Suggested Service ht. mm	Replacement Element Part No.		Element m³/hr Rating
		Polyester	Paper	A	B	C	D		Polyester	Paper	
K100	885	**WL-235P-K100**	**WL-234P-K100**	695	229	355	470	244	235P™	234P™	970
K100	885	**WL-335P-K100**	**WL-334P-K100**	737	229	311	470	368	335P™	334P™	1360
K160	1870	**WL-275P-K160**	**WL-274P-K160**	767	305	470	521	244	275P™	274P™	1870
K160	1870	**WL-375P-K160**	**WL-374P-K160**	749	305	470	521	368	375P™	374P™	2550
K200	3060	**WL-377P-K200**	**WL-376P-K200**	1011	356	514	648	368	377P™	376P™	3101
K250	4930	**WL-385P-K250**	**WL-384P-K250**	1303	432	616	889	368	385P™	384P™	5610
K320	7935	**WL-485P-K320**	**WL-484P-K320**	1308	406	686	864	546	485P™	484P™	8000
K320	8415	**WL-685P-K320**	**WL-384P(2)-K320**	1613	432	686	1143	724	685P™	384P™(2)	11213

Rated flows are determined based upon atmospheric conditions, for exact sizing please contact factory.
Special configurations available upon request.

Other Flange Types Available:



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