

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 1×10^{-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

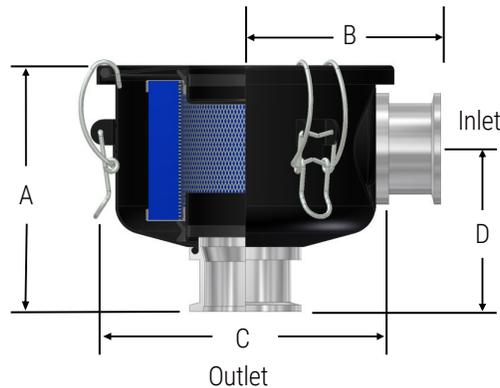
- Vacuum leak rate: 1×10^{-5} mbar L/sec (verified by helium leak test)
- Temp (continuous): min -15°F (-26°C) max 220°F (104°C)
- Filter change out differential: 15-20" H₂O over initial ΔP
- Polyester: 99%+ removal efficiency standard to 5 micron
- Paper: 99%+ removal efficiency standard to 2 micron

Options



- Filter media options available to meet strict process requirements: PTFE, PTFE Glass, SS mesh, and more
- Integral 120 VAC or 240 VAC regeneration heater
- Activated alumina, activated carbon, and zeolite available for foreline trapping and other applications
- Stainless steel (select models)
- Contact factory for larger sizes





SS ISO Flange w/Black Filter Assembly Finish

ISO Flg Inlet / Outlet	Assembly SCFM Rating	Assembly Part Number		Dimensions (inches)				Suggested Service Height (inches)	Approx. Weight (lbs)
		Polyester	Paper	A	B	C	D		
NW16	23	WL-825-NW16B	WL-824-NW16B	4.07	2.61	3.74	2.27	3	0.88
NW25	25	WL-825-NW25B	WL-824-NW25B	4.07	2.61	3.74	2.27	3	0.88
NW25	35	WL-843-NW25B	WL-842-NW25B	4.60	3.39	5.75	2.78	3	3
NW40	55	WL-843-NW40B	WL-842-NW40B	4.97	3.77	5.75	3.15	3	3
NW40	80	WL-849-NW40B	WL-848-NW40B	7.41	4.63	7.35	4.75	5	5
K63	175	WL-851-K63B	WL-850-K63B	11.67	6.09	8.74	6.50	9	15
K100	520	WL-239-K100B	WL-238-K100B	15.56	8.71	13.25	8.68	11	33

SS ISO Flange w/Electroless Nickel Filter Assembly Finish

ISO Flg Inlet / Outlet	Assembly SCFM Rating	Assembly Part Number		Dimensions (inches)				Suggested Service Height (inches)	Approx. Weight (lbs)
		Polyester	Paper	A	B	C	D		
NW16	23	WL-825-NW16EN	WL-824-NW16EN	4.07	2.61	3.74	2.27	3	0.88
NW25	25	WL-825-NW25EN	WL-824-NW25EN	4.07	2.61	3.74	2.27	3	0.88
NW25	35	WL-843-NW25EN	WL-842-NW25EN	4.60	3.39	5.75	2.78	3	3
NW40	55	WL-843-NW40EN	WL-842-NW40EN	4.97	3.77	5.75	3.15	3	3
NW40	80	WL-849-NW40EN	WL-848-NW40EN	7.41	4.63	7.35	4.75	5	5
K63	175	WL-851-K63EN	WL-850-K63EN	11.67	6.09	8.74	6.50	9	15
K100	520	WL-239-K100EN	WL-238-K100EN	15.56	8.71	13.25	8.68	11	33

Learn More

For more information about Solberg products and finding the right solutions for your equipment needs, visit us at SolbergMfg.com.

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All model offerings and design parameters are subject to change without prior notice. Contact your representative or visit www.solbergmfg.com for the most current information.

