

Medium to High Vacuum Filtration

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 1×10^{-5} mbar L/s.

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 1×10^{-5} mbar L/sec or better (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

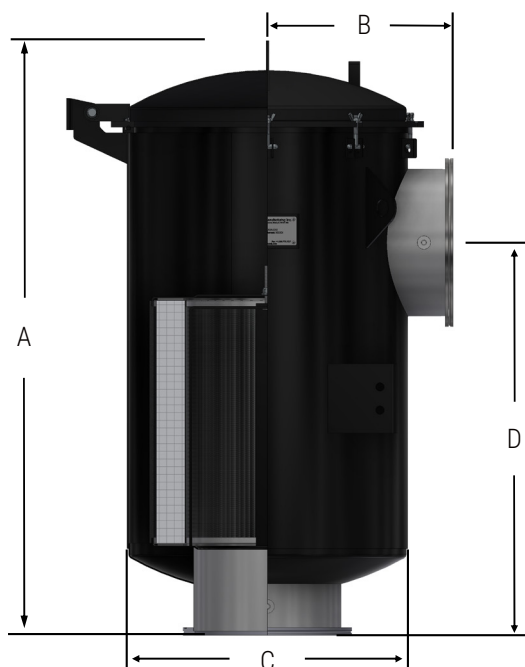
Options



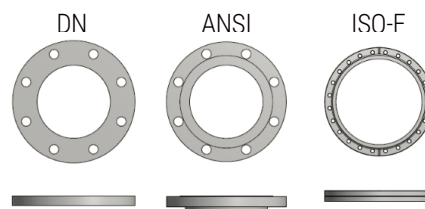
- Filter media options available to meet strict process requirements: PTFE, PTFE Glass, SS mesh, and more
- Activated alumina, activated carbon, and zeolite available for foreline trapping and other applications
- Stainless steel (select models)



K320 configuration



Other Flange Types Available:



ISO Flg Inlet / Outlet	Assembly SCFM Rating	Assembly Part Number		Dimensions (inches)				Suggested Service Height (inches)
		Polyester	Paper	A	B	C	D	
K100	520	WL-235P-K100	WL-234P-K100	25.39	9.00	12.00	18.50	10
K100	520	WL-335P-K100	WL-334P-K100	25.39	9.00	12.00	18.50	15
K160	1100	WL-275P-K160	WL-274P-K160	27.50	12.00	16.00	20.50	10
K160	1100	WL-375P-K160	WL-374P-K160	27.50	12.00	16.00	20.50	15
K200	1800	WL-377P-K200	WL-376P-K200	37.22	14.00	20.00	25.50	30
K250	2900	WL-385P-K250	WL-384P-K250	43.88	17.00	24.00	35.00	30
K320	4670	WL-485P-K320	WL-484P-K320	44.00	16.00	24.00	34.00	30
K320	4953	WL-685P-K320	WL-384P(2)-K320	56.00	17.00	24.00	45.00	33

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

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.

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