

# 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  $1 \times 10^{-5}$  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



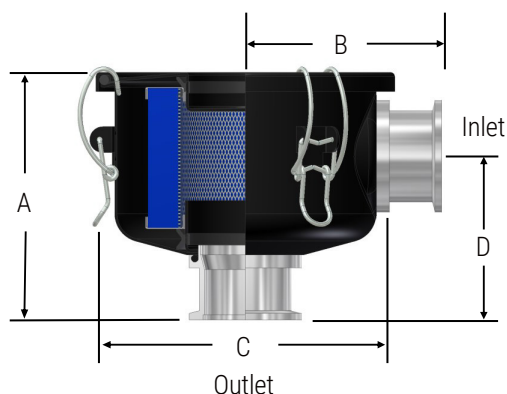
### Technical Specifications

- Vacuum leak rate:  $1 \times 10^{-5}$  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  $\Delta P$
- Polyester: 99%+ removal efficiency standard to 5 micron
- Paper: 99%+ removal efficiency standard to 2 micron

### Options



- Vacuum gauge
- Higher holding capacity configurations available (select models)
- Material/Finishes: stainless steel, epoxy coating
- Support brackets
- Alternative top-to-canister fastening system for low pressure or pulsating systems
- Stainless steel (select models)



## SS ISO Flange w/Black Filter Assembly Finish

| ISO Flg<br>Inlet / Outlet | Assembly<br>m3/hr<br>Rating | Assembly Part Number |              | Dimensions<br>(mm) |     |     |     | Suggested<br>Service Height<br>(mm) | Approx. Weight<br>(kg) |
|---------------------------|-----------------------------|----------------------|--------------|--------------------|-----|-----|-----|-------------------------------------|------------------------|
|                           |                             | Polyester            | Paper        | A                  | B   | C   | D   |                                     |                        |
| NW16                      | 39                          | WL-825-NW16B         | WL-824-NW16B | 103                | 66  | 95  | 58  | 76                                  | 0.4                    |
| NW25                      | 42                          | WL-825-NW25B         | WL-824-NW25B | 103                | 66  | 95  | 58  | 76                                  | 0.4                    |
| NW25                      | 59                          | WL-843-NW25B         | WL-842-NW25B | 117                | 86  | 146 | 70  | 76                                  | 1                      |
| NW40                      | 93                          | WL-843-NW40B         | WL-842-NW40B | 126                | 96  | 146 | 80  | 70                                  | 1                      |
| NW40                      | 136                         | WL-849-NW40B         | WL-848-NW40B | 188                | 118 | 187 | 121 | 121                                 | 2                      |
| K63                       | 357                         | WL-851-K63B          | WL-850-K63B  | 296                | 155 | 222 | 165 | 222                                 | 7                      |
| K100                      | 885                         | WL-239-K100B         | WL-238-K100B | 395                | 221 | 337 | 220 | 254                                 | 10                     |

## SS ISO Flange w/Electroless Nickel Filter Assembly Finish

| ISO Flg<br>Inlet / Outlet | Assembly<br>m3/hr<br>Rating | Assembly Part Number |               | Dimensions<br>(mm) |     |     |     | Suggested<br>Service Height<br>(mm) | Approx. Weight<br>(kg) |
|---------------------------|-----------------------------|----------------------|---------------|--------------------|-----|-----|-----|-------------------------------------|------------------------|
|                           |                             | Polyester            | Paper         | A                  | B   | C   | D   |                                     |                        |
| NW16                      | 39                          | WL-825-NW16EN        | WL-824-NW16EN | 105                | 66  | 95  | 59  | 76                                  | 0.4                    |
| NW25                      | 42                          | WL-825-NW25EN        | WL-824-NW25EN | 103                | 66  | 95  | 58  | 76                                  | 0.4                    |
| NW25                      | 59                          | WL-843-NW25EN        | WL-842-NW25EN | 117                | 88  | 146 | 70  | 76                                  | 1                      |
| NW40                      | 93                          | WL-843-NW40EN        | WL-842-NW40EN | 126                | 96  | 146 | 80  | 76                                  | 1                      |
| NW40                      | 136                         | WL-849-NW40EN        | WL-848-NW40EN | 188                | 118 | 187 | 127 | 127                                 | 2                      |
| K63                       | 357                         | WL-851-K63EN         | WL-850-K63EN  | 296                | 155 | 222 | 165 | 229                                 | 7                      |
| K100                      | 885                         | WL-239-K100EN        | WL-238-K100EN | 395                | 221 | 337 | 220 | 280                                 | 10                     |

## 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](http://www.solbergmfg.com) for the most current information.

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