

Multistage Liquid Knockout Tank & Filter

TKO Series

Overview

Solberg's Knockout Tank series provides heavy duty multistage liquid and particulate separators to protect vacuum pumps from harmful contaminants that destroy lubricating or seal oil. This turn-key solution for a majority of liquid removal applications is readily available and easily configured. Multiple separator pack options are available and adjustable legs are standard for easy installation. Sustain your vacuum levels and prevent emulsification in oil lubricated systems with the Knockout series.

Benefits

- Maximum pump protection with multi-stage filtration & separation
- Reduce costs with a singular modular design
- Housings may be used in a variety of conditions with multiple media pack options available
- Minimize frequent and costly maintenance checks with large liquid/slurry holding chamber

Features

- (2) 1" sight glass ports with sight glasses (low/high level)
- 1" upper chamber drain port
- 1/4" plugged differential ports on inlet and outlet
- 1/2" plugged equalization port for use with pneumatic drain system
- 6 position adjustable legs, pre drilled to accept pneumatic drain system option
- Predrilled floor anchor holes
- Nameplate
- 2" drain with brass ball valve included
- Lifting lugs on the tank body

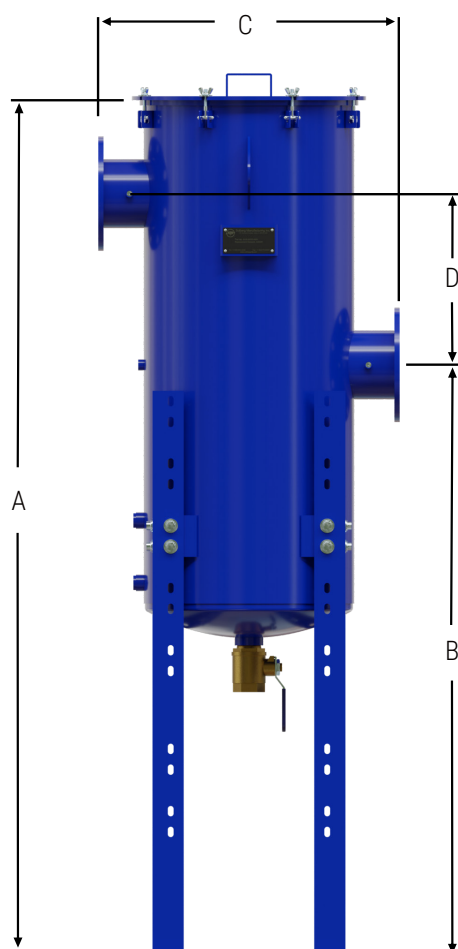
Options

- Flange adapters
- Available with either wire mesh element or demister pad
- Custom tanks denoted with SRS prefix

Technical Specifications

- Service range: up to 1000 mbar absolute
- Polyester element: 99%+ removal efficiency to 1 or 5 micron





| PN Flange Size | | Pump Max Flow Rating (m³/hr) | | | | | | | |
|----------------|-----------|------------------------------|--------|--------|--------|--------|--------|--------|--------|
| | | 300 | 510 | 670 | 885 | 1170 | 1870 | 3060 | 4930 |
| DN80 | Demister | Green | Yellow | Red | Red | Red | Red | Red | Red |
| | Wire Mesh | Green | Green | Yellow | Red | Red | Red | Red | Red |
| DN100 | Demister | Green | Green | Green | Yellow | Red | Red | Red | Red |
| | Wire Mesh | Green | Green | Green | Green | Yellow | Red | Red | Red |
| DN150 | Demister | Green | Green | Green | Green | Green | Yellow | Red | Red |
| | Wire Mesh | Green | Green | Green | Green | Green | Green | Yellow | Red |
| DN200 | Demister | Green | Green | Green | Green | Green | Green | Yellow | Red |
| | Wire Mesh | Green | Green | Green | Green | Green | Green | Green | Yellow |
| DN250 | Demister | Green | Green | Green | Green | Green | Green | Green | Yellow |
| | Wire Mesh | Green | Green | Green | Green | Green | Green | Green | Green |

- Suitable for use in this flow range
- Contact Solberg for review of application
- Not recommended for use at listed flowrate

| PN10 Flange Connection | Assembly Flow Range m3/hr | Assembly Part Number | Dimensions (mm) | | | | Suggested Service Ht. (mm) | | Holding Capacity (liter) | Upper Element Part Number | Lower Element Part Number |
|------------------------|---------------------------|----------------------|-----------------|------|------|-----|----------------------------|-------|--------------------------|---------------------------|---------------------------|
| | | | A* | B* | C | D | Upper | Lower | | | |
| DN80 | 300 - 510 | TKODN80 | 1988 | 1340 | 508 | 457 | 250 | 660 | 19 | 235™ / 235Z | 230S / DM8 |
| DN100 | 510 - 885 | TKODN100 | 1988 | 1340 | 597 | 457 | 254 | 711 | 34 | 245™ / 245Z | 234S / DM12 |
| DN150 | 885 - 1170 | TKODN150 | 2089 | 1441 | 737 | 419 | 381 | 838 | 57 | 375™ / 375Z | 274S / DM16 |
| DN200 | 1170 - 3060 | TKODN200 | 2089 | 1441 | 880 | 419 | 381 | 838 | 91 | 377™ / 377Z | 276S / DM20 |
| DN250 | 1870 - 4930 | TKODN250 | 2369 | 1619 | 1016 | 432 | 381 | 1016 | 151 | 385™ / 385Z | 384S / DM26 |

*Height can be adjusted up or down in 152.5 mm increments to a maximum of 305 mm in either direction.

Note: Vacuum level, temperature, and materials being separated can significantly affect performance. For any conditions outside of those listed, please contact factory to discuss your application specifics.

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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