

### VDF Microfilter Vessel with 6" Microfilter

Microfilters are used for the efficient and continuous removal of solids such as rust, silica and other particulates from diesel fuels. Microfilters are designed for use in tough industrial diesel applications where high-flow rates and large volumes are required.

By maintaining absolute diesel cleanliness, end users can significantly increase the life of critical wear components, minimising downtime and maximising profitability. FAUDI Diesel microfilters are highly efficient and thus cost effective due to their large filter surface areas and are available in vertical configuration and optional accessories.



### Benefits

- Designed for high flow and high volume diesel fuel filtration
- Excellent particulate removal properties
- Ensure fuel meet cleanliness specifications

### Application Areas

- Mining
- Refineries, Terminals & Tank Farms
- Power Generation & Gas Turbines
- Ships, Super Yachts & Marine Loading
- All Bulk Diesel transfer applications

### Technical Data

- |                            |   |
|----------------------------|---|
| • Filtration ratings:      | 2, 5, 10, 25 µm                             |
| • Design and construction: | AD2000 or ASME Code                         |
| • Design pressure:         | Designed to pressure requirements           |
| • Flow rate (maximum):     | 6" Microfilter up to 27980 lpm (7392 USgpm) |
| • Flow rate (recommended): | 6" Microfilter up to 10499 lpm (2774 USgpm) |

### Standard Design

- |                               |   |
|-------------------------------|---|
| • Material:                   | Carbon steel (other version on request) |
| • Interior:                   | Epoxy coating                           |
| • Exterior:                   | Prime coated                            |
| • Cover seal:                 | NBR (Buna-N)                            |
| • Head lift and swivel device |   |

### Recommended Accessories

- Differential pressure gauge
- Automatic air eliminator
- Pressure relief valve

### Specifications

- All FAUDI Diesel Filter Vessels are sized according to customer requirements & site specific conditions.
- Actual flow rates may vary based on field conditions. The table below is for general guidance only.
- In applications with high dirt contamination levels, it may be desirable to oversize the filter system.

Vessels	6" Microfilter	Nominal Length L		Flow Rates lpm (USgpm)		Filtration Ratings
		Quantity	mm	inch	Maximum	Recommended
VDF1-1656-F	1	1418	56	666 (176)	376 (99)	2, 5, 10, 25
VDF4-1644-F	4	1114	44	2665 (704)	1000 (264)	
VDF6-2044-F	6	1114	44	3997 (1056)	1500 (396)	
VDF8-2444-F	8	1114	44	5329 (1408)	2000 (528)	
VDF8-2456-F	8	1418	56	6783 (1792)	2545 (672)	
VDF12-2844-F	12	1114	44	7994 (2112)	3000 (792)	
VDF12-2856-F	12	1418	56	10174 (2688)	3818 (1008)	
VDF18-3644-F	18	1114	44	11991 (3168)	4499 (1189)	
VDF18-3656-F	18	1418	56	15261 (4032)	5726 (1513)	
VDF27-4244-F	27	1114	44	17987 (4752)	6749 (1783)	
VDF27-4256-F	27	1418	56	22893 (6048)	8590 (2269)	
VDF33-4856-F	33	1418	56	27980 (7392)	10499 (2774)	

1) Other upon request. Please inquire.