

Microdyne vacuum filters are designed to utilize the low pressure filter elements to operate at the same high efficiency levels as previously mentioned. Vacuum filters are primarily used to protect the vacuum pumps. Our sanitary vacuum filters are engineered to operate at pressures as low as 2psi.

Housings — Constructed of stainless steel or carbon steel rated at 250psi operating pressure.

Single Element Housing — 1/4" to 3" Tri-Clover or NPTF

Multiple Element Housing — 2" to 12" Flanged

Element — **VAF-Vacuum Filter** — Designed for maximum pre-filtration of larger particulates rated at 100% efficiency @ 1 micron with minimum possible differential pressures.



Performance Data

Efficiency - 99.99% @ 3 microns.

Flow - Outside to Inside.

Recleanable - Yes.

Media - Specially hardened cellulose acetate.

Flow Volume - 24 to 23,000 cfm.

Pressures - 60 psi max.

Application - As a filter upstream of a Vacuum Pump.

Support Sleeves - Stainless Steel - Inner and Outer Support Sleeves

End Caps - Precision, machined aluminum

Delta P - .3 psi differential pressure (new).

Appearance - Stainless Steel outer support sleeve and buff-colored filter material.

Designation - VAF-3 to VAF-200

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Technical Data — Stainless Steel Ferrule Housings

Filter housings are fabricated in stainless steel and are rated at 250 psi.

| Size | Nominal flow (SCFM) | NPT or TC Size Connections | Elements Per Filter | Dimensions in Inches | | |
|------|---------------------|----------------------------|---------------------|-----------------------------|---------------------------------|----------------------|
| | | | | Length of Filter (Complete) | Width of Head (Inlet to Outlet) | Height to Connection |
| 3 | 3-4 | 1/4" | 1 | 6.85" | 3.43" | 5.40" |
| 5 | 4-6 | 3/8" | 1 | 6.85" | 3.43" | 5.40" |
| 7 | 5.5-8 | 1/2" | 1 | 9.61" | 3.43" | 8.16" |
| 9 | 9-19 | 3/4" | 1 | 11.04" | 5.13" | 9.87" |
| 10 | 12.5-19 | 1" | 1 | 14.92" | 5.13" | 13.75" |
| 11 | 18-25.5 | 1" | 1 | 14.92" | 5.13" | 13.75" |
| 12 | 25.5-38.5 | 1 1/2" | 1 | 18.92" | 5.13" | 17.75" |
| 13 | 41.5-57.5 | 1 1/2" | 1 | 26.74" | 5.13" | 25.57" |
| 14 | 55.5-77 | 2" | 1 | 26.50" | 6.46" | 24.61" |
| 17 | 86.5-121.5 | 2" | 1 | 36.34" | 6.46" | 34.45" |
| 19 | 139.5-192 | 3" | 1 | 41.42" | 9.84" | 38.50" |

Technical Data — Stainless Steel or Carbon Steel Flanged Housings

Filter housings are fabricated in stainless steel or carbon steel, have flanged connections, and are rated at 250 psi.

| Size | Nominal flow (SCFM) | Flange Size Connections | Elements Per Filter | Dimensions in Inches | | |
|------|---------------------|-------------------------|---------------------|-----------------------------|---------------------------------|----------------------|
| | | | | Length of Filter (Complete) | Width of Head (Inlet to Outlet) | Height to Connection |
| 17 | 86.5-121.5 | 3" | 1 | 41.42" | 14.96" | 37.05" |
| 19 | 121.5-139.5 | 3" | 1 | 43.58" | 17.32" | 37.99" |
| 20 | 173-243.5 | 4" | 2 | 47.48" | 19.69" | 38.43" |
| 30 | 259.5-365 | 4" | 3 | 47.48" | 19.69" | 38.43" |
| 40 | 346-487 | 6" | 4 | 53.39" | 25.20" | 42.38" |
| 60 | 519-730.5 | 6" | 6 | 56.14" | 31.10" | 444.33" |
| 80 | 692-974 | 8" | 8 | 59.49" | 31.10" | 46.10" |
| 100 | 865-1218 | 8" | 10 | 60.87" | 33.07" | 46.69" |
| 120 | 1038.5-1481.5 | 10" | 12 | 66.77" | 37.01" | 50.24" |
| 180 | 1384.5-1948.5 | 10" | 16 | 66.77" | 37.01" | 50.24" |
| 200 | 1730.5-2435.5 | 12" | 20 | 66.77" | 37.01" | 50.24" |

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