

# VACUUM INLET FILTERS

## Features:

- Eliminate Liquids And Solids
- Replaceable Filter Elements
- Low Cost Protection

## Applications:

- Protect Pump From Dry Contamination
- Semiconductor Production
- Inlet Of Lab Sample Pump



The IN series of housings is designed to protect small vacuum pumps from liquid and solids in the process stream that may be pulled into the pump. At the heart of the inlet filter is the completely disposable RC-type coalescing element. Made entirely from borosilicate glass fiber and phenolic binder, it is compatible with all compressor lubricants and will operate at temperatures up to 250°F.

The RC-type element has a two-layer structure, inner particle capture-layer and an outer drainage-layer. Liquid droplets remain mobile once captured and travel through the fine-pored capture-layer, along the intersecting microfibers, growing in size as they progress. These coalesced droplets are transferred to the large-pored drainage-layer, where they drain by gravity into the filter bowl. Oil collected in the filter bowl can then be drained and reused. The "RC" reinforced filter element is durable to handle particle build-up. This extra strength provides extra pump protection.

We also offer 4A elements to protect the pump against oil back streaming. Please consult UFS with your specific inlet requirements.

These units are good for service to 2 Torr.

## SIZING CHART

Maximum Flow Rate (scfm)	Anodized Aluminum Housings	Stainless Steel Housings
3	IN-DIF-LN-RC	N/A
3	IN-760NPR-RC	IN-420S-RC
7	IN-427-RC	N/A
9	IN-425-RC	IN-425S-RC
12	IN-380A-RC	N/A
20	IN-430-RC	IN-430S-RC
23	IN-385A-RC	IN-150-RC
45	IN-390A-RC	IN-162-RC



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