

VACU-SHIELD TRAPS AND FILTERS

VACU-VIEW TRAP

The Vacu-View trap is ANCORP's recommended rechargeable trap for hydrous acid neutralization. The trap neutralizes large amounts of acid before vacuum pump damage occurs. The clear housing allows for fast and easy visual checks of media.



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Product Features

Port terminations: ISO-QF

Media: caustic soda (for hydrous acid neutralization), activated alumina, or activated charcoal.

Dimension A: represents the approximate length between flanges depending on how tightly the ends are screwed in.

Rechargeable housing: allows in-situ vacuum gasket servicing and media replacement

Port labels: installation orientation is critical for this outside-in trap design. Inlet and Pump are clearly identified on the product labeling.

Materials: Clear housing: the see through design allows quick visual check on condition of media and amount of trapped or neutralized contaminants. The clear housing maximizes utility of outside-in flow design.

MEDIA SUMMARY

There are 3 types of media that are compatible with VVRI traps:

- Caustic Soda
- Activated Alumina
- Activated Charcoal

| TRAP AND FILTER MEDIA | PUMP OIL BACKSTREAMING | WATER VAPOR | ACID | ORGANICS |
|-----------------------|------------------------|-------------|------|----------|
| Caustic Soda | | | X | |
| Activated Charcoal | | | | X |
| Activated Alumina | | X | X | |

Caustic Soda Media

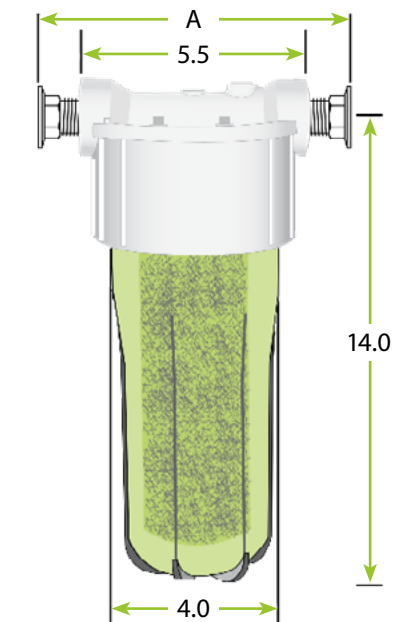
Caustic Soda (Sodium Hydroxide) is a trapping media provides protection from hydrous acid. The media is a crystalline solid that comes in the form of a small pearl, and is highly soluble in water.

Note: It is the user's responsibility to ensure process compatibility with all media.



VACU-VIEW TRAP WITH CAUSTIC SODA MEDIA

| PART # | REFERENCE ID | A | CONNECTION |
|---------|------------------|------|-------------|
| 7500705 | VVRI-1000-QF16-O | 7.00 | QF16 FLANGE |
| 7500706 | VVRI-1000-QF25-O | 7.20 | QF25 FLANGE |



Activated Alumina Media

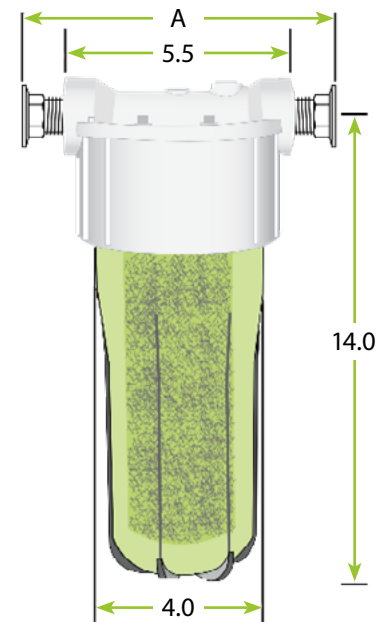
Activated Alumina trapping media provides protection from water vapors and acids. The media is small in size and can be packed into a fairly high density - providing an excellent mechanical barrier to large hydrocarbon molecules.

Alumina is a porous material. The pores are comparable in size to a water molecule and act as an excellent adsorber of water. The main disadvantage is that these pores become saturated quickly in applications with high moisture content, so alumina needs to be replaced often.

Note: It is the user's responsibility to ensure process compatibility with all media.

VACU-VIEW TRAP WITH ACTIVATED ALUMINA MEDIA

| PART # | REFERENCE ID | A | CONNECTION |
|---------|------------------|------|-------------|
| 7500703 | VVRI-1000-QF16-A | 7.00 | QF16 FLANGE |
| 7500704 | VVRI-1000-QF25-A | 7.20 | QF25 FLANGE |



Activated Charcoal Media

Activated Charcoal trapping media provides protection from heavy metals (such as mercury) and organic solvents.

Charcoal media is quite hydrophilic. However, because it absorbs moisture fast, it must be replaced often.

Note: It is the user's responsibility to ensure process compatibility with all media.

VACU-VIEW TRAP WITH ACTIVATED CHARCOAL MEDIA

| PART # | REFERENCE ID | A | CONNECTION |
|---------|------------------|------|-------------|
| 7500705 | VVRI-1000-QF16-O | 7.00 | QF16 FLANGE |
| 7500706 | VVRI-1000-QF25-O | 7.20 | QF25 FLANGE |

