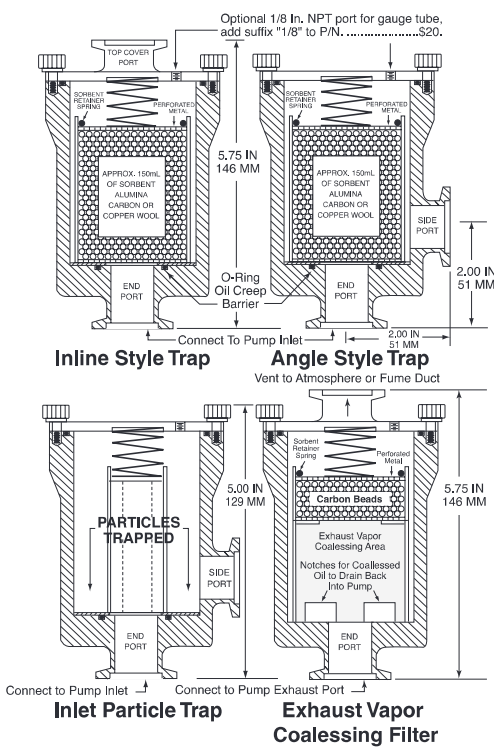


Foreline Traps to Keep Pump Vapor Out of Your System



Photo shows Inline style and Angle style with NW-25 flanges. NW-16, NW-40, and connections for 3/4" and 1" rubber hose also available.

- Select Copper Wool, Activated Alumina or Carbon
- Available in Both Right Angle and Inline Styles
- Orient in Any Direction, Spring Loaded Sorbent Bed
- Positive Creep Proof Design with O-Ring Seal
- Fits Pumps up to 21 CFM, 36 m³/Hr, 600 l/min.
- Leak Tested to Better than 2 X 10⁻⁹ scc/sec
- Any Mix of Ports for Rubber Hose or NW Flanges
- No Tools Needed For Easy Sorbent Replacement
- Aluminum Body and Sorbent Basket; 316 SS Spring



Inline Trap		Exhaust Vapor Coalescing Filter		Port Size & Flange Style
Part Number	Price	Any Angle or Inline P/N... \$433		
INLINE TRAP 16	\$411	ANG EX COALES 16	INL EX COALES 16	NW-16 Flange
INLINE TRAP 25	\$411	ANG EX COALES 25	INL EX COALES 25	NW-25 Flange
INLINE TRAP 3/4	\$411	ANG EX COALES 3/4	INL EX COALES 3/4	3/4" Outside Diam.
INLINE TRAP 1.0	\$411	ANG EX COALES 1.0	INL EX COALES 1.0	1" Outside Diam.
INLINE TRAP 40	\$584	NOT AVAILABLE	NOT AVAILABLE	NW-40 Flange

Angle Trap		Inlet Particle Trap		Port Size & Flange Style
Part Number	Price	Part Number	Price	
ANGLE TRAP 16	\$411	ANG TRAP PART 16	\$389	NW-16 Flange
ANGLE TRAP 25	\$411	ANG TRAP PART 25	\$389	NW-25 Flange
ANGLE TRAP 3/4	\$411	ANG TRAP PART 3/4	\$389	3/4" Outside Diam.
ANGLE TRAP 1.0	\$411	ANG TRAP PART 1.0	\$389	1" Outside Diam.
ANGLE TRAP 40	\$584	ANG TRAP PART 40	\$595	NW-40 Flange

Also available with mixed flanges, such as: NW-16 on one port and NW-25 on the other. Specify Alumina, Carbon, Copper Wool Sorbent.

Replacement Sorbent and Spare Parts

Description	Part#	Price	Description	Part#	Price
Active Alumina Sorbent, approximately 300 ml (two charges)	V801163	\$28	Sorbent Basket Assembly (without sorbent)	V801160	\$95
Activated Carbon Sorbent, approximately 300 ml (two charges)	V801164	\$27	Particle Trap Standpipe	V74050	\$73
Copper Wool Sorbent, approximately 300 ml (two charges)	V801165	\$38	Top Cover O-Ring	V206141	\$4
			Sorbent Basket O-Ring	V206142	\$5
			Spring	V308654	\$11
			Thumb Screws, set of 4	V801162	\$4

One container of two sorbent charges is included with each trap.



Inlet Trap with NW-40 Flanges

Pump Inlet Traps Keep Process Debris out of Pump

- Use with Vane, Piston & Scroll Vacuum Pumps
- Safeguard From Particles and Contamination
- Protect Vacuum System from Backstreaming

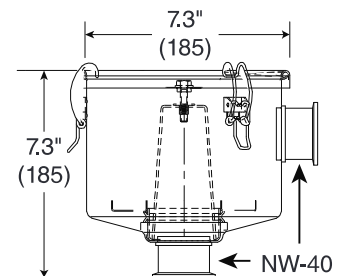
VRC's low cost inlet traps protect your pump from damage due to process debris entering the pump. Easy to change fiberglass, alumina or paper element and high flow NW-40 ports. Install in any orientation.

- P/N: INLET TRAP 40 FIBERGLASS\$754
- P/N: INLET TRAP 40 ALUMINA\$754
- P/N: INLET TRAP 40 PP (PAPER)\$754

Replacement Fiberglass Element
 P/N: RV801268.....\$27

Replacement Alumina Element
 P/N: RV810266.....\$27

Replacement Paper Element
 P/N: RV810267.....\$27



VPO-3000 Vacuum Pump Fluid

This hydrocarbon vacuum pump fluid is intended for use in VRC Rotary Vane Pumps. Our VPO-3000 fluid is a narrow cut distillation fraction that gives good ultimate vacuum with low backstreaming yet it provides the excellent lubrication needed for long pump life.



VPO-3000 is a good choice in a wide variety of general and special vacuum services that require frequent pumpdown cycles including optical film coating, heat treating furnaces, vacuum ovens, decorative coatings by evaporation, sputtering and LPCVD.

Specifications VPO-3000

Vapor Pressure (Torr) @ 25°C 1×10^{-6}	Viscosity (cSt/SUS) @40°C/100°F 63.9/320
Boiling Point @ 0.01 Torr 130°C	@100°C/210°F 8.5/54
Pour Point -13°C	Form Clear amber liquid
Flash Point 241°C	Hazardous
Fire Point 253°C	Decomposition None
Specific Gravity (g/cc) 0.872	Incompatibility Flame
	Hazardous Ingredients None

Size/Volume	Part Number	Price
1 gallon (3.8 liter)	VPO-3000GAL	\$31.00
5 gallon (18.9 liter)	VPO-30005GAL	\$154.00

VPF-1000 Vacuum Pump Flushing Fluid

This flushing fluid was developed to improve and simplify cleaning procedures for VRC Rotary Vane Pumps. This low viscosity fluid will flush out particulates and residuals that usually settle in the bottom of pumps.



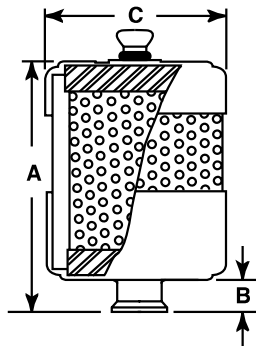
Flushing with VPF-1000 is recommended during oil changes before the addition of the new fluid as part of a regular preventive maintenance program. Such regular use improves the service life of all mechanical pumps. It is recommended that the pump be drained while hot, filled with flushing fluid and run for about 10 minutes to properly flush. The pump is then immediately drained again and refilled with our VPO-3000.

Specifications VPO-3000

Vapor Pressure (Torr) @ 25°C 1×10^{-5}	Viscosity (cSt/SUS) @40°C/100°F 28/150
Boiling Point @ 0.01 Torr 112°C	@100°C/210°F 4.5/41
Pour Point -15°C	Form Clear amber liquid
Flash Point 218°C	Hazardous
Fire Point 244°C	Decomposition None
Specific Gravity (g/cc) 0.860	Incompatibility Flame
	Hazardous Ingredients None

Size/Volume	Part Number	Price
1 gallon (3.8 liter)	VPF-1000GAL	\$27.00
5 gallon (18.9 liter)	VPF-10005GAL	\$126.00

Exhaust Mist Eliminators



P/N	Dimensions				Flow
	A Height	B	C Diameter	Flanges	
RV 810220	5.5	0.88	2.5	NW-25	3.5 or 7 cfm pumps
RV 810230	5.25	0.88	5.13	NW-25	10-14 cfm pumps High Flow Applications
RV 810240	7.13	2.13	10.25	NW-40	20 to 64 cfm pumps
RV 810250	9.25	0.88	5.13	NW-25	High Flow Applications

For 100-3.5 & 200-7 Pumps
Model **Ex. Fil. NW-25 7 cfm**, P/N RV810220 \$230

For 400-14 Pumps
Model **Ex. Fil. NW-25 14 cfm**, P/N RV810230 \$290

For Applications with High Flow
Model **Ex. Fil. NW-25**, P/N RV810250 \$372

For 600-21, 800-28, 1000-35, 1500-53 & 1800-64 Pumps
Model **Ex. Fil. NW-40 64 cfm**, P/N RV810240 \$525

Replacement Fiberglass Elements

Model RPL. Elem. 7 cfm	P/N RV810221 (4.0 in. high X 2.2 in. O.D.) \$47
Model RPL. Elem. 14 cfm	P/N RV810231 (3.8 in. high X 4.0 in. O.D.) \$74
Model RPL. Elem. 64 cfm	P/N RV810241 (4.75 in. high X 9.2 in. O.D.) \$193
Model RPL. Elem. Hi Flo	P/N RV810251 (6.15 in. high X 4.0 in. O.D.) \$74