

# 13 Oils - Greases - Sealants - Hoses

## Oils For Diffusion Vacuum Pumps

### Diffusion Pump Oils

#### IVP Silicone Diffusion Pump Oil

(Our Substitute for Discontinued Dow Corning DC 702, DC704, DC705) IDEAL P/N Price\*

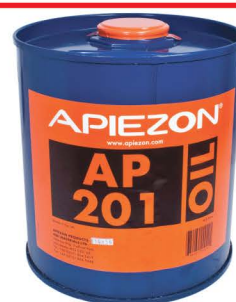
IVP702 Pump Oil, Our Substitute for Discontinued DC702, 500 ml.	P102291	\$128.50
IVP702 Pump Oil, Our Substitute for Discontinued DC702, 1 liter.	P104542	\$250.00
IVP702 Pump Oil, Our Substitute for Discontinued DC702, 1 gal.	P104543	\$950.00
IVP702 Pump Oil, Our Substitute for Discontinued DC702, 5 gal.	P104544	\$4,625.00
IVP704 Pump Oil, Our Substitute for Discontinued DC704, 500 ml.	P102290	\$165.88
IVP704 Pump Oil, Our Substitute for Discontinued DC704, 1 liter.	P104534	\$299.00
IVP704 Pump Oil, Our Substitute for Discontinued DC704, 1 gal.	P104535	\$1,150.00
IVP704 Pump Oil, Our Substitute for Discontinued DC704, 5 gal.	P104536	\$4,999.00
IVP705 Pump Oil, Our Substitute for Discontinued DC705, 500 ml.	P102289	\$190.00
IVP705 Pump Oil, Our Substitute for Discontinued DC705, 1 liter.	P104541	\$344.00
IVP705 Pump Oil, Our Substitute for Discontinued DC705, 1 gal.	P104539	\$1,322.50
IVP705 Pump Oil, Our Substitute for Discontinued DC705, 5 gal.	P104540	\$5,749.00



#### APIEZON AP 201

Vapor Booster Diffusion Pump Fluid IDEAL P/N Price\*

APIEZON AP 201 Diffusion Pump Oil, 4 Liters	P104259	\$477.22
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#### SANTOVAC 5

Polyphenyl Ether Diffusion Pump Oil IDEAL P/N Price\*

Santovac 5 Polyphenyl Ether Diffusion Pump Oil, 100 ml.	P102288	\$299.00
Santovac 5 Polyphenyl Ether Diffusion Pump Oil, 500 ml.	P102287	\$899.00



#### Cambridge Mill CMP 704

High Vacuum Diffusion Pump oil IDEAL P/N Price\*

Cambridge Mill CMP 704 High Vacuum Diffusion Pump Oil, 1 gal.	P103605	\$995.00
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All MSDS Sheets on Diffusion Pump Oil can be Downloaded off our website at [www.idealvac.com](http://www.idealvac.com)

# Oils - Greases - Sealants - Hoses 13

## Oils For Oil Sealed Vacuum Pumps

### Alcatel Adixen by PFEIFFER VACUUM

Adixen A102-A111	SIZE	Ideal P/N	Alcatel P/N	Price*
Adixen A102 Hydrocarbon Mineral Pump Oil	2 liters	P104254	10996	\$95.00
Adixen A111 Synthetic Pump Oil	1 liter	P103305	064656	\$76.00

**A102**  
For Anti-Emulsion Water Vapor and Organic Acids Vapor Pumping Applications.

**A111**  
For High Pressure and High Temp Applications.



**Use In Alcatel Adixen Pumps:**  
1005, 1010, 1015, 1021, 2005, 2005SD, 2005H, 2005H1, 2005I, 2010, 2010SD, 2015, 2015SD, 2015H, 2015H1, 2015I, 2021, 2021SD, 2021I, 2002B, 2002BB, 2002I, 2004A, 2008A, 2012A, 2012AH, 2020A, 2030, 2060, 2033, 2033SD, 2033H, 2033H1, 2063, 2063H, 2063H1, 2100A, 2100SD, RUVAC Roots Blowers RSV151, RSV151B, RSV301, RSV301B, RSV601, RSV601B, RSV1000, RSV2000

Adixen A121	SIZE	Ideal P/N	Alcatel P/N	Price*
Adixen A121 Hydrocarbon Based Mineral Oil	1 liter	P104878	14128	\$95.00

**A121**  
For High Pressure and High Temperature Frequent Cycling Applications.



**Use In Alcatel Adixen Pumps:**  
1005, 1010, 1015, 1021, 2005, 2005SD, 2005H, 2005H1, 2005I, 2010, 2010SD, 2015, 2015SD, 2015H, 2015H1, 2015I, 2021, 2021SD, 2021I, 2002B, 2002BB, 2002I, 2004A, 2008A, 2012A, 2012AH, 2020A, 2030, 2060, 2033, 2033SD, 2033H, 2033H1, 2063, 2063H, 2063H1, 2100A, 2100SD, RUVAC Roots Blowers RSV151, RSV151B, RSV301, RSV301B, RSV601, RSV601B, RSV1000, RSV2000

Adixen A200	SIZE	Ideal P/N	Alcatel P/N	Price*
Adixen A200 Double Distilled Hydrocarbon Oil	1 liter	P104285	98201	\$49.95
Adixen A200 Double Distilled Hydrocarbon Oil	4 liters	P104286	98202	\$125.00

**A200**  
Double Distilled Hydrocarbon Oil; providing low backstreaming, excellent lubrication and strong resistance to oxidation, Recommended for Corrosive Applications.



**Use In Alcatel Adixen Pumps:**  
2005C1, 2010C1, 2015C1, 2021C1, 2033C1, 2063C1, 2100C1, 2010C2, 2015C2, 2021C2, 2033C2, 2063C2, Vacuum Pumps.

Adixen A119	SIZE	Ideal P/N	Alcatel P/N	Price*
Adixen A119 Standard Hydrocarbon Pump Oil	1 liter.	P102101	98101	\$22.00
Adixen A119 Standard Hydrocarbon Pump Oil	4 liter	P102102	98102	\$65.00
Adixen A119 Standard Hydrocarbon Pump Oil	55 Gal.	P102109	98103	\$2,995.99

**A119**  
Standard Oil for All Adixen Alcatel Rotary Vane & RSV Series Booster Pumps.



**Use In Alcatel Adixen Pumps:**  
1005, 1010, 1015, 1021, 2005, 2005SD, 2005H, 2005H1, 2005I, 2010, 2010SD, 2015, 2015SD, 2015H, 2015H1, 2015I, 2021, 2021SD, 2021I, 2002B, 2002BB, 2002I, 2004A, 2008A, 2012A, 2012AH, 2020A, 2030, 2060, 2033, 2033SD, 2033H, 2033H1, 2063, 2063H, 2063H1, 2100A, 2100SD, RUVAC Roots Blowers RSV151, RSV151B, RSV301, RSV301B, RSV601, RSV601B, RSV1000, RSV2000

Adixen A155	SIZE	Ideal P/N	Alcatel P/N	Price*
Adixen A155 Synthetic Di-Ester Pump Oil	1 liter	P104879	109233	\$125.00

**A155**  
For pumping of Ammonia NH3 and hydrocarbon vapors, for refrigeration work of R134A initial circuits evacuation, resistant to oxidation and avoids formation of deposits.



**Use In Alcatel Adixen Pumps:**  
1005, 1010, 1015, 1021, 2005, 2005SD, 2005H, 2005H1, 2005I, 2010, 2010SD, 2015, 2015SD, 2015H, 2015H1, 2015I, 2021, 2021SD, 2021I, 2002B, 2002BB, 2002I, 2004A, 2008A, 2012A, 2012AH, 2020A, 2030, 2060, 2033, 2033SD, 2033H, 2033H1, 2063, 2063H, 2063H1, 2100A, 2100SD, RUVAC Roots Blowers RSV151, RSV151B, RSV301, RSV301B, RSV601, RSV601B, RSV1000, RSV2000

Adixen A300	SIZE	Ideal P/N	Alcatel P/N	Price*
Adixen A300 Premium Double Distilled Oil	1 liter	P104287	98301	\$75.00
Adixen A300 Premium Double Distilled Oil	4 liters	P104288	98302	\$225.00

**A300**  
This fluid is very resistant to chemical attacks and the pumping of Lewis Acids and Halogens, Recommended for High Corrosive Applications.



**Use In Alcatel Adixen Pumps:**  
2005C1, 2010C1, 2015C1, 2021C1, 2033C1, 2063C1, 2100C1, 2010C2, 2015C2, 2021C2, 2033C2, 2063C2, Vacuum Pumps.

\* Catalog Pricing  
Subject to Change

# 13 Oils - Greases - Sealants - Hoses

## Oils For Oil Sealed Vacuum Pumps

### Edwards

Ultra Grade 15	SIZE	Ideal P/N	Edwards P/N	Price*
Edwards Ultra Grade 15 Pump Oil	1 liter	P101518	H11026015	\$22.00
Edwards Ultra Grade 15 Pump Oil	4 liters	P101519	H11026013	\$65.00
Edwards Ultra Grade 15 Pump Oil	12 X 1 liter	P101520	H11026012	\$165.00
Edwards Ultra Grade 15 Pump Oil	4 X 4 liters	P101521	H11026011	\$240.00
Edwards Ultra Grade 15 Pump Oil	55 gallons	P101522	H11026010	\$2,995.00

#### Ultra Grade 15

For smaller rotary vane pumps. This oil is produced by a unique hydrotreating process. This process eliminates nitrogen, sulphur and oxygen and the aromatic hydrocarbons, leaving a clear base stock essentially free of impurities. Combined with additives, giving your vacuum pump better performance.



#### Use In Edwards Pumps:

E2M0.7, E2M1, E2M1.5, E2M2

Ultra Grade 20	SIZE	Ideal P/N	Edwards P/N	Price*
Edwards Ultra Grade 20 Pump Oil	1 liter	P101523	H11024015	\$22.00
Edwards Ultra Grade 20 Pump Oil	4 liters	P101524	H11024013	\$65.00
Edwards Ultra Grade 20 Pump Oil	12 X 1 liter	P101525	H11024012	\$165.00
Edwards Ultra Grade 20 Pump Oil	4 X 4 liters	P101526	H11024011	\$240.00
Edwards Ultra Grade 20 Pump Oil	55 gallons	P101527	H11024010	\$2,995.00

#### Ultra Grade 20

For Large EV, EH, Q.B., iQMB Pumps. This oil is produced by a unique hydrotreating process. This process eliminates nitrogen, sulphur and oxygen and the aromatic hydrocarbons, leaving a clear base stock essentially free of impurities. Combined with additives, giving your vacuum pump better performance.



#### Use In Edwards Pumps:

EV20, EV40, EV70, EV100, EV160, EV200, EV300, EV400, EV630, EH250, EH500, EH1200, EH2600, EH4200, QMB250, QMB500, QMB1200, iQMB250, iQMB500, & iQMB1200

Ultra Grade 19	SIZE	Ideal P/N	Edwards P/N	Price*
Edwards Ultra Grade 19 Pump Oil	1 liter	P101438	H11025015	\$22.00
Edwards Ultra Grade 19 Pump Oil	4 liters	P101439	H11025013	\$65.00
Edwards Ultra Grade 19 Pump Oil	12 X 1 liter	P101515	H11025012	\$240.00
Edwards Ultra Grade 19 Pump Oil	4 X 4 liters	P101516	H11025011	\$240.00
Edwards Ultra Grade 19 Pump Oil	55 gallons	P101517	H11025010	\$2,995.00

#### Ultra Grade 19

For medium rotary vane pumps. This oil is produced by a unique hydrotreating process. This process eliminates nitrogen, sulphur and oxygen and the aromatic hydrocarbons, leaving a clear base stock essentially free of impurities. Combined with additives, giving your vacuum pump better performance.



#### Use In Edwards Pumps:

RV3, RV5, RV8, RV12  
E-lab 2, Speedivac 2, E2M2, E2M5  
E2M8, E2M12, E1M18, E2M18, E2M28, & E2M30

Ultra Grade 70	SIZE	Ideal P/N	Edwards P/N	Price*
Edwards Ultra Grade 70 Pump Oil	4 liters	P102106	H11028013	\$65.00
Edwards Ultra Grade 70 Pump Oil	4 X 4 liters	P102107	H11028011	\$240.00
Edwards Ultra Grade 70 Pump Oil	55 gallons	P102108	H11028010	\$2,995.00

#### Ultra Grade 70

For Large Rotary Vane pumps. This oil is produced by a unique hydrotreating process. This process eliminates nitrogen, sulphur and oxygen and the aromatic hydrocarbons, leaving a clear base stock essentially free of impurities. Combined with additives, giving your vacuum pump better performance.



#### Use In Edwards Pumps:

E1M40, E2M40, E1M80, E2M80, E1M175, E2M175, E1M275, E2M275



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## Oils For Oil Sealed Vacuum Pumps

### IVP OIL

Ideal Vacuum Products

All IVP Oils 100% Compatible with Oerlikon Leybold Vacuum Pumps and IVP 19 Compatible with most branded oils.

IVP 150 Oil	SIZE	Ideal P/N	Price*
IVP 150 Ideal Vac Products Oil	1 gal.	P104033	\$125.00

#### IVP150

Excellent water separating characteristics which prevent emulsion formulation.

Our SUBSTITUTE for DISCONTINUED Leybold HE150 (100% Compatible)

Use In Oerlikon Lebold Pumps:

Trivac B, E, DK and Ruvac Rotary Vane Pumps



IVP 19 Oil	SIZE	Ideal P/N	Price*
IVP 19 Ideal Vac Products Oil	1 Qt.	P106061	\$29.95
IVP 19 Ideal Vac Products Oil	1 gal.	P106060	\$79.95
IVP 19 Ideal Vac Products Oil	5 gal.	P106062	\$299.00
IVP 19 Ideal Vac Products Oil	55 gal.	P106063	\$2,995.00

#### IVP19

Our Ideal Vacuum Products Oil is an excellent product for use in most Vacuum Pumps:

Alcatel / Adixen  
Edwards / Savant / Labconco  
Oerlikon Leybold  
Fisher  
Pfeiffer  
Welch  
Agilent / Varian



IVP 100 Oil	SIZE	Ideal P/N	Price*
IVP 100 Ideal Vac Products Oil	1 Qt.	P101482	\$40.00
IVP 100 Ideal Vac Products Oil	1 gal.	P101500	\$125.00
IVP 100 Ideal Vac Products Oil	5 gal.	P103911	\$475.00
IVP 100 Ideal Vac Products Oil	55 gal.	P101506	\$3,700.00

#### IVP100

Mineral Oil with additives, low vapor pressure minimal foaming and very good water separation.

Our SUBSTITUTE for Leybold HE100 (100% Compatible)

Use In Oerlikon Lebold Pumps:

Sogevac SV16, SV25, SV40, SV65, Sogevac SV10B, SV16B, SV25B  
Sogevac SV16Bl, SV28Bl, SV40Bl, SV65Bl



IVP 175 Oil	SIZE	Ideal P/N	Price*
IVP 175 Ideal Vac Products Oil	1 Qt.	P104611	\$40.00
IVP 175 Ideal Vac Products Oil	1 gal.	P104612	\$125.00
IVP 175 Ideal Vac Products Oil	5 gal.	P104613	\$475.00

#### IVP175

Mineral Oil FREE of additives, low vapor pressure, minimal foaming and very good water separation.

Our SUBSTITUTE for Leybold HE175 (100% Compatible)

Use In Oerlikon Lebold Pumps:

Trivac A series D2A, D4A, D8A, D16A, D30A, S60A, D60A, D90A.



IVP 200 Oil	SIZE	Ideal P/N	Price*
IVP 200 Ideal Vac Products Oil	1 Qt.	P101503	\$40.00
IVP 200 Ideal Vac Products Oil	1 gal.	P101501	\$125.00
IVP 200 Ideal Vac Products Oil	5 gal.	P101504	\$475.00
IVP 200 Ideal Vac Products Oil	55 gal.	P101505	\$3,700.00

#### IVP200

Standard mineral oil with no additives, low vapor pressure, minimal foaming, good water separation.

Our SUBSTITUTE for Leybold HE200 (100% Compatible)

Use In Oerlikon Lebold Pumps:

D2A, D4A, D8A, D16A, D30A, D60A, D90A, D2.5E, D1.6B, D4B, D8B, D16B, D25B, D40B, D65B, • WA/WAU 251, WA/WAU 501, WA/WAU 501H, WA/WAU 1001, WA/WAU 1001H, WA/WAU 2001, WA/WAU 2001H, RA 3001, RA 5001, • DK50, DK100, DK 200, E75, E225, & E250



IVP 62 Oil	SIZE	Ideal P/N	Price*
IVP 62 Ideal Vac Products Oil	1 Qt.	P102903	\$40.00
IVP 62 Ideal Vac Products Oil	1 gal.	P102904	\$125.00
IVP 62 Ideal Vac Products Oil	5 gal.	P102905	\$475.00
IVP 62 Ideal Vac Products Oil	55 gal.	P102906	\$3,700.00

#### IVP62

Standard mineral oil with no additives, low vapor pressure, minimal foaming, good water separation.

Our SUBSTITUTE for Leybold N62 (100% Compatible)

Use In Oerlikon Lebold Pumps:

D2A, D4A, D8A, D16A, D30A, D60A, D90A, D2.5E, D1.6B, D4B, D8B, D16B, D25B, D40B, D65B, • WA/WAU 251, WA/WAU 501, WA/WAU 501H, WA/WAU 1001, WA/WAU 1001H, WA/WAU 2001, WA/WAU 2001H, RA 3001, RA 5001, • DK50, DK100, DK 200, E75, E225, & E250



IVP 700 Oil	SIZE	Ideal P/N	Price*
IVP 700 Ideal Vac Products Oil	1 Qt.	P103971	\$40.00
IVP 700 Ideal Vac Products Oil	1 gal.	P101502	\$120.00
IVP 700 Ideal Vac Products Oil	5 gal.	P103882	\$395.00
IVP 700 Ideal Vac Products Oil	55 gal.	P101507	\$2,995.00

#### IVP700

Mineral Oil with additives, low vapor pressure minimal foaming and very good water separation.

Our SUBSTITUTE for Leybold HE700 (100% Compatible)

Use In Oerlikon Lebold Pumps:

Sogevac SV100, SV180, SV200, SV300, SV500, SV630, SV750, SV1200  
Sogevac V40B, SV65B, SV100B, SV120B, SV300B, SV500B, SV630B/BF, SV750B/BF



IVP 77 Oil	SIZE	Ideal P/N	Price*
IVP 77 Ideal Vac Products Oil	1 Qt.	P103382	\$44.50
IVP 77 Ideal Vac Products Oil	1 gal.	P103383	\$125.00
IVP 77 Ideal Vac Products Oil	5 gal.	P103384	\$455.00

#### IVP77

Mineral Oil with additives, low vapor pressure minimal foaming and very good water separation.

Our SUBSTITUTE for Leybold GS77 (100% Compatible)

Use In Oerlikon Lebold Pumps:

Sogevac SV100, SV180, SV200, SV300, SV500, SV630, SV750, SV1200  
Sogevac V40B, SV65B, SV100B, SV120B, SV300B, SV500B, SV630B/BF, SV750B/BF



\* Catalog Pricing  
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Ideal LLC  
vacuum products **13-4**

# 13 Oils - Greases - Sealants - Hoses

## Oils For Oil Sealed Vacuum Pumps

# Oerlikon Leybold

Brake Fluid DOT 4	SIZE	Ideal P/N	Oerlikon P/N	Price*
Oerlikon Leybold Brake Fluid DOT 4	32 oz.	P104037	8998549Q	\$39.95

### Brake Fluid

For Vacuum pumps modified for DOT 4 Fluid only.



**Use In Oerlikon Lebold Pumps:**  
Trivac and Sogevac modified specifically for DOT 4  
Mixing with any other type oil strictly avoided

HE-125 Food Grade Oil	SIZE	Ideal P/N	Oerlikon P/N	Price*
Oerlikon Leybold HE-125 Food Grade Oil	1 gal.	P104032	898731	\$125.00

### HE-125 Food Grade Oil

HE-125 FG hydrocarbon oil is recommended for Oerlikon Leybold Sogevac pumps in food processing and food packaging applications.



**Use In Oerlikon Lebold Pumps:**  
SOGEVAC Pumps

HE-270 Synthetic Oil	SIZE	Ideal P/N	Oerlikon P/N	Price*
Oerlikon Leybold Synthetic Hydrocarbon Oil	1 liter	P104034	898533	\$59.95
Oerlikon Leybold Synthetic Hydrocarbon Oil	1 gal.	P104191	898534	\$125.00

### HE-270 Oil

Oerlikon Leybold HE 270 HE-270 synthetic hydrocarbon oil for Leybold Sogevac pumps SV100 and smaller in high temperature applications. HE-270 is used for high temperature applications. It has an oxidation inhibitor and is well suited for use in Sogevac pumps that pump organic solvent vapor.



**Use In Oerlikon Lebold Pumps:**  
Sogevac SV100 and smaller pumps

Leybonol LVO 100	SIZE	Ideal P/N	Oerlikon P/N	Price*
Oerlikon Leybold Leybonol LVO 100	1 liter	P103662	L10001	\$55.00
Oerlikon Leybold Leybonol LVO 100	5 liters	P103663	L10005	\$130.00
Oerlikon Leybold Leybonol LVO 100	20 liters	P103664	L10020	\$450.00
Oerlikon Leybold Leybonol LVO 100	55 gal.	P103967	L10099	\$3,950.00

### Leybonol LVO 100

Standard oil with no additives, low vapor pressure, minimal foaming and good water separation. Replacement for HE200, N62 (100% compatible)

**Use In Oerlikon Lebold Pumps:**

D2A, D4A, D8A, D16A, D30A, D60A, D90A, D2.5E, D1.6B, D4B, D8B, D16B, D25B, D40B, D65B, •WA/WAU 251, WA/WAU 501, WA/WAU 501H, WA/WAU 1001, WA/WAU 1001H, WA/WAU 2001, WA/WAU 2001H, RA 3001, RA 5001, •DK50, DK100, DK 200, E75, E225, & E250



Leybonol LVO 210	SIZE	Ideal P/N	Oerlikon P/N	Price*
Oerlikon Leybold Leybonol LVO 210	5 liters	P103663	L10005	\$130.00
Oerlikon Leybold Leybonol LVO 210	20 liters	P103664	L10020	\$450.00
Oerlikon Leybold Leybonol LVO 210	55 gal.	P103967	L10099	\$3,950.00

### Leybonol LVO 210

Synthetic oil with additives. Very high thermal oxidation and chemical stability, good detergent and dispersion properties, excellent water protection.

Replacement for GS555, HE600 (100% compatible)

**Use In Oerlikon Lebold Pumps:**

D2A, D4A, D8A, D16A, D30A, D60A, D90A, D2.5E, D1.6B, D4B, D8B, D16B, D25B, D40B, D65B, •WA/WAU 251, WA/WAU 501, WA/WAU 501H, WA/WAU 1001, WA/WAU 1001H, WA/WAU 2001, WA/WAU 2001H, RA 3001, RA 5001, •DK50, DK100, DK 200, E75, E225, & E250 All Sogevac A & B, All Dryvac, All Screwline, All SP-Line



Leybonol LVO 220	SIZE	Ideal P/N	Oerlikon P/N	Price*
Oerlikon Leybold Leybonol LVO 220	1 liter	P104255	101085844	\$165.00

### Leybonol LVO 220

Very high thermal, oxidative and chemical stability, good detergent and dispersion characteristics, excellent wear protection. Leybonol LVO220 is a Synthetic Ester Oil especially blended for use for RUVAC (WSLF) Pumps for operation with gas lasers.



**Use In Oerlikon Lebold Pumps:**

All Ruvac Roots Blower Pumps

Leybonol LVO 600	SIZE	Ideal P/N	Oerlikon P/N	Price*
Oerlikon Leybold Leybonol LVO 600	1 gal.	P104192	L60005	\$165.00

### Leybonol LVO 600

White oils are high purity Mineral Oils free of aromatic and sulphur compounds. They are odourless and colorless and consist completely of saturated hydrocarbons. For pumping small quantities of chemical substances like halogens, halogen hydracid, halogenated hydrocarbons, Lewis acids, acetic acid. Mixable with and Replacement for Leybold NC 2, HE400 Oils.



**Use In Oerlikon Lebold Pumps:**

All A and B Trivac Rotary Vane

HE-750BL Fluid Oil	SIZE	Ideal P/N	Oerlikon P/N	Price*
Oerlikon Leybold HE-750BL	1 liter	P104143	898734Q	\$79.95

### HE-750BL Fluid Oil

Synthetic HC Anderol 750 fluid oil, Leybold HE-750 Oil is an ISO 150 synthetic diester based lubricant specifically designed to provide long term lubrication for roots blowers. It reduces fire and explosion hazards and has no metal additives.



**Use In Oerlikon Lebold Pumps:**

All Leybold Oerlikon Roots Blower Boosters

# AGILENT Varian

Agilent GP DS19 Oil	SIZE	Ideal P/N	Agilent P/N	Price*
Agilent Varian GP DS19 General Purpose Oil	1 liter	P104289	K7516301	\$49.50
Agilent Varian GP DS19 General Purpose Oil	1 gal.	P104290	K7516302	\$125.00



**GP DS19**  
 Recommended for use in non-corrosive applications. As a result of molecular distillation, it has low vapor pressure and therefore, back-streams less than un-distilled refinery products.

**Use In Agilent Varian Pumps:**  
 DS42, DS102, DS202, DS302, DS402, DS602, DS1002, DS1602, SD40, SD90, SD91, SD200, SD201, SD300, SD301, SD450, SD451, SD700, SD1400, SD2500, HS452 & HS652.

Agilent DS31 Oil	SIZE	Ideal P/N	Agilent P/N	Price*
Agilent Varian GP DS31 General Purpose Oil	0.5 liter	P103281	9499305	\$49.50



**GP DS31**  
 Recommended for use in non-corrosive applications. As a result of molecular distillation, it has low vapor pressure and therefore, back-streams less than un-distilled refinery products. Prepared specifically for the DS-42 Rotary Vane Vacuum Pump.

**Use In Agilent Varian Pumps:**  
 DS42

# PFEIFFER

P3 Mineral Oil	SIZE	Ideal P/N	Pfeiffer P/N	Price*
P3 Mineral Oil General Purpose	1 liter	P103283	PK001106T	\$49.75
P3 Mineral Oil General Purpose	5 liters	P103347	PK001107T	\$125.00
P3 Mineral Oil General Purpose	20 liters	P103348	PK001108T	\$325.00



**P3 Mineral**  
 Mineral oil for standard applications to pump air, inert gases, noble gases, ammonia, weak aggressive solvent fumes, hydrogen, silane and oxygen to 21%.

**Use In Pfeiffer Vacuum Pumps:**  
 Duo 1.5, 2.5, 5m, 10M, 20m, 35, 65, 120, 250, 004B, 008B, 012B, 016B, UNO 2.5, 030A, 060A, Penta 10, 20, 35 Pumps

Inland 19 Oil	SIZE	Ideal P/N	Pfeiffer P/N	Price*
Inland 19 General Purpose Oil	1 liter	P104618	PK005632T	\$59.95



**Inland 19**  
 Standard vacuum pump oil for Pfeiffer rotary vane and roots blowers.

**Use In Pfeiffer Vacuum Pumps:**  
 Duo 1.5, 2.5, 5m, 10M, 20m, 35, 65, 120, 250, 004B, 008B, 012B, 016B, UNO 2.5, 030A, 060A, Penta 10, 20, 35 Pumps

\* Catalog Pricing  
 Subject to Change



# 13 Oils - Greases - Sealants - Hoses

## Oils For Oil Sealed Vacuum Pumps

# Cambridge Mill Products

CMP 19 Oil	SIZE	Ideal P/N	Cambridge P/N	Price*
CMP 19 Oil	1 liter	P101436	CMP19L	\$19.99
CMP 19 Oil	1 gallon	P101437	CMP19GAL	\$39.95
CMP 19 Oil	55 gallons	P101443	CMP1955GAL	\$1,350.00

### CMP 19

This mechanical pump fluid is a severely hydro-treated paraffinic oil. It is highly saturated and contains less than 0.01% sulfur. With high molecular weight and viscosity index providing longer life and reduced build-up of varnish and carbonized oil on internal vacuum pump components. It is made specifically for high use mechanical vacuum pump processes.



Use In ALL Rotary Vane Vacuum Pumps:

CMP 51 Oil	SIZE	Ideal P/N	Cambridge P/N	Price*
CMP 51 Oil	1 gallon	P103606	CMP51GAL	\$39.95

### CMP 51

This is a severely hydro-treated paraffinic oil put through a molecular distillation process to remove light end fractions and contain a complex additive package that aids in gas ballasting off water vapor and prevents the accumulation of varnish, particulate and sludge on the internal components of the vacuum pump. REPLACEMENT for Stokes V Lube F and Kinney KV100 Oils.



Use In Vacuum Pumps:

ROTARY PISON PUMPS from 150 cfm to 300 cfm with operating temperatures up to 160° F.

CMP 20 Oil	SIZE	Ideal P/N	Cambridge P/N	Price*
CMP 20 Oil	1 gallon	P103603	CMP20GAL	\$75.00

### CMP 20

This is a severely hydro-treated paraffinic oil that is double distilled through a molecular distillation process to remove light end fractions. It is unique in comparison to other competitive products because it is highly saturated and contains less than 0.01% sulfur similar to technical white oils. It also has a higher molecular weight and viscosity index providing longer service life and reduced build up of varnish and carbonized oil on the internal pump components. REPLACEMENT for Leybold HE200, Alcatel AE 200 and INVOIL 20.



Use In Vacuum Pumps:

ROTARY VANE PUMPS and LEYBOLD BLOWERS.

CMP 57 Oil	SIZE	Ideal P/N	Cambridge P/N	Price*
CMP 57 Oil	1 gallon	P103604	CMP57GAL	\$99.99

This is a high purity paraffinic oil that provides excellent lubrication, low varnish forming tendencies and superior water separating properties. CMP57 is a severely hydro-treated paraffinic oil put through a molecular distillation process to remove light end fractions and contain a complex additive package that aids in gas ballasting off water vapor and prevents the accumulation of varnish, particulate and sludge on the internal components of the vacuum pump. The use of CMP 57 fluid in high particulate or water vapor applications will increase the service life of your pump and allow for less extensive and lower cost repairs. REPLACEMENT for STOKES V Lube F and KINNEY KV100 Oils.



Use In Vacuum Pumps:

ROTARY PISON PUMPS from 150 cfm to 300 cfm with operating temperatures up to 160° F.

# Oils - Greases - Sealants - Hoses 13

## Oils For Oil Sealed Vacuum Pumps

### WELCH

Gold DirecTorr Oil	SIZE	Ideal P/N	Welch P/N	Price*
Welch Gold DirecTorr Vacuum Pump Oil	1 liter	P102111	8995G-11	\$90.00
Welch Gold DirecTorr Vacuum Pump Oil	4 liters	P102112	8995G-15	\$240.00
Welch Gold DirecTorr Vacuum Pump Oil	5 gal.	P102115	8995G-20	\$723.55
Welch Gold DirecTorr Vacuum Pump Oil	55 gal.	P102116	8995G-25	\$7,800.00

#### Gold DirecTorr

Welch Gold DirecTorr Vacuum Pump Oil is fractionated especially for use in Welch Direct Drive and Belt Driven Pumps where resistance to **CHEMICAL ATTACK** is required.

#### Use In Welch Pumps:

8806, 8811, 8814, 8816, 8821, 8851, 8905, 8905A, 8907A, 8910A, 8912A, 8915, 8915A, 8917A, 8920, 8920A, 8925A, Corrosive Gas Models 1400N, 1402N, 1376N.



PREMIUM DirecTorr Oil	SIZE	Ideal P/N	Welch P/N	Price*
Welch PREMIUM DirecTorr Vacuum Pump Oil	1 Qt.	P102104	8995P-11	\$36.00
Welch PREMIUM DirecTorr Vacuum Pump Oil	1 gal.	P102105	8995P-15	\$125.00
Welch PREMIUM DirecTorr Vacuum Pump Oil	5 gal.	P102114	8995P-20	\$425.00

#### PREMIUM DirecTorr

Welch Premium DirecTorr Oil is fractionated especially for use in Welch Direct Drive vacuum pumps. It is checked to insure it meets rigid requirements for proper vapor pressure, chemical stability, viscosity and other essential characteristics.

#### Use In Welch Pumps:

8806, 8811, 8814, 8816, 8821, 8851, 8905, 8905A, 8907A, 8910A, 8912A, 8915, 8915A, 8917A, 8920, 8920A, 8925A



DuoSeal Oil	SIZE	Ideal P/N	Welch P/N	Price*
Welch DuoSeal Vacuum Pump Oil	1 Qt.	P101435	1407K-11	\$32.00
Welch DuoSeal Vacuum Pump Oil	1 gal.	P101434	1407K-15	\$72.00
Welch DuoSeal Vacuum Pump Oil	5 gal.	P102110	1407K-20	\$320.00
Welch DuoSeal Vacuum Pump Oil	55 gal.	P102113	1407K-25	\$3,250.00

#### DuoSeal

Belt Drive Vacuum Pump Oil is fractionated especially for use in Welch DuoSeal vacuum pumps. Oil is checked to insure it meets rigid requirements.

#### Use In Welch Pumps:

8806, 8811, 8814, 8816, 8821, 8851, 8905, 8905A, 8907A, 8910A, 8912A, 8915, 8915A, 8917A, 8920, 8920A, 8925A, Corrosive Gas Models 1400N, 1402N, 1376N.



### BUSCH

R-530 Pump Oil	SIZE	Ideal P/N	Busch P/N	Price*
Busch R-530 Vacuum Pump Oil	1 Qt.	P103282	BUS831	\$19.95

#### R-530

Detergent free oil derived from highly refined paraffinic crudes with excellent lubricating properties. The combination of high viscosity indexes and low pour points ensures ease of handling and flow in all but extreme temperature situations.

#### Use In Busch R5 Pumps:

0004, 0006, 0010, 0012, 0016, 0021, 0025, 0040, 0063, 0100, 0160, 0165, 0205, 0250, 0255, 0305, 0400, 0502, 0630, 1000, 1600, Vacuum Pumps.



### KINNEY Tuthill

AX Oil	SIZE	Ideal P/N	Kinney P/N	Price*
Kinney Tuthill AX Oil	1 Qt.	P102728	2030830000	\$34.40
Kinney Tuthill AX Oil	1 Gal.	P102729	2030840000	\$91.29
Kinney Tuthill AX Oil	5 Gal.	P102730	2030790000	\$263.28

#### AX OIL

High quality, high boiling range, low vapor pressure, and non-additive petroleum, for Kinney single and two stage pumps. Other makes of high vacuum pumps up to .0002 Torr Ultimate Vacuum Pressure may also use this AX oil. Viscosity: Approx. 340 SSU @ 100 degrees F.

#### Use In Kinney Tuthill Pumps:

KT, KD, KDH, KS, KC, KTC series pumps



KV100 Oil	SIZE	Ideal P/N	Kinney P/N	Price*
Kinney Tuthill KV100	1 Gal.	P102731	2030190000	\$95.26
Kinney Tuthill KV100	5 Gal.	P102732	2030200000	\$284.45

#### KV100

Specially formulated for peak performance. Contains additives to enhanced oil life and reduce varnish build up. Kinney Tuthill KV100 is for Kinney Single stage models with .005 Torr ultimate vacuum requirements and high temperature operation.

Viscosity: Approx. 500-525 SSU @ 100 degrees F.

#### Use In Kinney Tuthill Pumps:

KT, and KDH series pumps



### STOKES Edwards

V-Lube Oil Grade F	SIZE	Ideal P/N	Stokes P/N	Price*
Stokes Edwards V-Lube Oil Grade F	1 gal.	P102610	254117002	\$45.00
Stokes Edwards V-Lube Oil Grade F	5 gal.	P102611	254539002	\$200.00
Stokes Edwards V-Lube Oil Grade F	55 gal.	P103003	421780001	\$2,300.00

#### V-Lube Grade F

The V-Lube Grade F series oil lubricant offers good thermal stability and oxidation resistance and has been selected for use with the Edwards Stokes Microvac oil sealed piston pumps.

#### Use In Stokes Edwards Piston Pumps:

146H, 148H, 149H 149HS, 212H, 212J, 412H, 412J, 612H, 612J.

V-Lube Oil Grade H	SIZE	Ideal P/N	Stokes P/N	Price*
Stokes Edwards V-Lube Oil Grade H	1 gal.	P103037	424051001	\$45.00
Stokes Edwards V-Lube Oil Grade H	5 gal.	P103036	419699001	\$200.00
Stokes Edwards V-Lube Oil Grade H	55 gal.	P103035	419698001	\$2,100.00

#### V-Lube Grade H

The V-Lube Grade H series oil lubricant offers good thermal stability and oxidation resistance and has been selected for use with the Edwards Stokes Vacuum Blower pumps.

#### Use In Stokes Edwards Pumps:

ALL Edwards Stokes Vacuum Blower Pumps.



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# 13 Oils - Greases - Sealants - Hoses

## Oils Heat Transfer and Flushing Fluid

### GALDEN

#### GALDEN Heat Transfer PFPE Fluids

(For Etchers, CVD, PVD and Ion Implanters)

	SIZE	Ideal P/N	Price*
Galden HT-55 PFPE - Boiling Point 55° C (131° F)	7kg (15.4lbs.)	P105082	\$995.00
Galden HT-70 PFPE - Boiling Point 70° C (158° F)	7kg (15.4lbs.)	P105078	\$995.00
Galden HT-80 PFPE - Boiling Point 80° C (176° F)	7kg (15.4lbs.)	P105084	\$995.00
Galden HT-110 PFPE - Boiling Point 110° C (230° F)	7kg (15.4lbs.)	P105079	\$995.00
Galden HT-135 PFPE - Boiling Point 135° C (275° F)	7kg (15.4lbs.)	P105080	\$995.00
Galden HT-170 PFPE - Boiling Point 170° C (338° F)	7kg (15.4lbs.)	P105083	\$1,095.00
Galden HT-200 PFPE - Boiling Point 200° C (392° F)	7kg (15.4lbs.)	P105085	\$1,095.00
Galden HT-230 PFPE - Boiling Point 230° C (446° F)	7kg (15.4lbs.)	P105081	\$1,155.00
Galden HT-270 PFPE - Boiling Point 270° C (518° F)	7kg (15.4lbs.)	P105086	\$1,495.00

**GALDEN HT** is a line of dielectric fluids with boiling points from 55 C° to 270 C°. Their excellent dielectric properties, high chemical stability combined with their capacity to operate at very low as well as elevated temperatures make them the best Heat Transfer Fluids for the aggressive conditions used in Semiconductor and Electronic Industry. Galden HT series sold here by the 7 kg (15.4 lbs) containers is used for applications with component immersion, wafer etching, ion implantation, radar equipment, transformers, power supplies, UF6 production, chillers, cooling towers, and freeze dryers.

#### GALDEN PFS2 PFPE Cleaning Fluid

(Perfluorinated Cleaning Solvent for PFPE Vacuum Pumps)

	SIZE	Ideal P/N	Price*
PFS2 Cleaning Fluid	500ml	P102609	\$99.95
PFS2 Cleaning Fluid	1 gallon	P102608	\$678.50

**GALDEN PFS2** can be used for the removal of a PFPE grease, such as Fomblin Y-VAC 3. These greases are mixtures of a finely ground PTFE (polytetrafluoroethylene) powder with a Fomblin PFPE liquid, generally one that is used or could be used as a diffusion pump or rotary vane fluid in a high vacuum system. PFS2 is able to solve only the liquid component of the grease. This means that for the composite structure, the PFS2 removes the liquid phase but not the solid particulate phase, and it should be pointed out that there is no known solvent for the PTFE particles. Hence, the application of PFS2 in a grease removal situation, will do some good for sure, however some kind of mechanical actions (pump breakdown) will be required for the removal of the solid particulates.



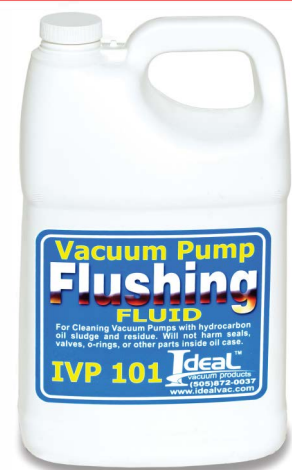
## Ideal Vacuum Products

#### FLUSHING FLUID IVP 101

(For Cleaning & Flushing Vacuum Pumps that use Hydrocarbon Oil)

	SIZE	Ideal P/N	Price*
IVP Flusing Fluid	1 Quart	P105218	\$25.00
IVP Flusing Fluid	1 Gallon	P105219	\$45.00

**IVP 101** This is a flushing or cleaning fluid for vacuum pumps that utilize hydrocarbon based mineral oils. The IVP 101 Hydrocarbon Flushing Fluid is made to be used between oil changes to help maintain the longevity of the vacuum pump. It helps clean out the sludge and residue left in the oil case prior to completely refilling with hydrocarbon oil. The flushing fluid will not damage any seals, valves, o-rings or any other internal workings of the vacuum pump. **DO NOT USE with PFPE oil filled vacuum pumps.** For any additional information about the IVP 101 Flushing Fluid and how to use it, log on to our website and see step by step procedures for use.



\* Catalog Pricing  
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# FOMBLIN For Pumping Chemical Processes

FOMBLIN 06/6 PFPE	SIZE	Ideal P/N	Fomblin P/N	Price*
Fomblin 06/6 PFPE	1 kg., 0.5 liter	P102152	440128	\$209.99
Fomblin 06/6 PFPE	8 kg., 4 liter	P102151	440130	\$1,880.00

**Fomblin 06/6**  
 For chemical processes which require inert mechanical vacuum pump PFPE Oil.

**Use In Pumps:**  
 Most Semiconductor pumps and chemical inert vacuum pumps.



FOMBLIN 06/6GRP PFPE	SIZE	Ideal P/N	Fomblin P/N	Price*
Fomblin 06/6GRP PFPE (w/ anti-rust additive)	1kg., 0.5 liter	P102713	440118	\$255.00

**Fomblin 06/6GRP**  
 Oil is specified to meet semiconductor dry and chemical inert vacuum pump specifications. This PFPE incorporates a new patented Fomblin anti-rust additive which enables the fluids to withstand even the most harsh chemical environments.

**Use In Pumps:**  
 Most Semiconductor Dry pumps and chemical inert vacuum pumps.



FOMBLIN 14/6 PFPE	SIZE	Ideal P/N	Fomblin P/N	Price*
Fomblin 14/6 PFPE	1kg., 0.5 liter	P104929	440228	\$209.99

**Fomblin 14/6**  
 Use in chemical processes which require inert mechanical vacuum pump oil fluids. This PFPE oil is specified to meet semiconductor dry and chemical inert vacuum pump specifications.

**Use In Pumps:**  
 Most Semiconductor Dry pumps and chemical inert vacuum pumps.



FOMBLIN 16/6 PFPE	SIZE	Ideal P/N	Fomblin P/N	Price*
Fomblin 16/6 PFPE	1 kg., 0.5 liter	P102150	440728	\$209.99
Fomblin 16/6 PFPE	8 kg., 4 liter	P102149	440730	\$1,880.00

**Fomblin 16/6**  
 Use in chemical processes which require inert mechanical vacuum pump oil fluids. This PFPE oil is specified to meet semiconductor dry and chemical inert vacuum pump specifications.

**Use In Pumps:**  
 Most Semiconductor Dry pumps and chemical inert vacuum pumps.



FOMBLIN 16/6RP PFPE	SIZE	Ideal P/N	Fomblin P/N	Price*
Fomblin 16/6RP PFPE(w/anti-rust additive)	1kg., 0.5 liter	P102714	440721	\$255.00

**Fomblin 16/6RP**  
 Oil is specified to meet semiconductor dry and chemical inert vacuum pump specifications. This PFPE incorporates a new patented Fomblin anti-rust additive which enables the fluids to withstand even the most harsh chemical environments.

**Use In Pumps:**  
 Most Semiconductor Dry pumps and chemical inert vacuum pumps.



FOMBLIN 25/6 PFPE	SIZE	Ideal P/N	Fomblin P/N	Price*
Fomblin 25/6 PFPE	1 kg., 0.5 liter	P102148	440328	\$209.99
Fomblin 25/6 PFPE	8 kg., 4 liter	P102147	440330	\$1,880.00

**Fomblin 25/6**  
 For chemical processes which require inert mechanical vacuum pump PFPE Oil.

**Use In Pumps:**  
 Most Semiconductor pumps and chemical inert vacuum pumps.



FOMBLIN 25/6RP PFPE	SIZE	Ideal P/N	Fomblin P/N	Price*
Fomblin 25/6RPPFPE (w/anti-rust additive)	1kg., 0.5 liter	P102715	409029	\$255.00

**Fomblin 25/6RP**  
 Oil is specified to meet semiconductor dry and chemical inert vacuum pump specifications. This PFPE incorporates a new patented Fomblin anti-rust additive which enables the fluids to withstand even the most harsh chemical environments.

**Use In Pumps:**  
 Most Semiconductor Dry pumps and chemical inert vacuum pumps.



FOMBLIN and Krytox PFPE Oil Reclaim & Recycling Service	Ideal P/N	Price*
	P102153	per gallon \$325.00

The reclamation process includes particulate filtration, degassing and high vacuum molecular distillation to separate and remove any and all contaminants. Yields can vary on average between 80% to 90% of incoming PFPE fluid.



\* Catalog Pricing  
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# 13 Oils - Greases - Sealants - Hoses

## Oils PFPE for Chemical Processes

# Krytox For Pumping Chemical Processes

Krytox 1506 PFPE	SIZE	Ideal P/N	Krytox P/N	Price*
Krytox 1506 PFPE Oil	2.2 lbs(1kg.,0.5liter)	P102135	H11307018	\$199.99

### Krytox 1506

For use in chemical processes which require inert mechanical vacuum pump oil fluids. Krytox oil is specified for Rotary Vane chemical inert vacuum pump specifications.



#### Use In Pumps:

Most Rotary Vane Vacuum Pumps

Krytox 1506XP PFPE	SIZE	Ideal P/N	Krytox P/N	Price*
Krytox 1506XP PFPE Oil	2.2 lbs(1kg.,0.5liter)	P102711	409031	\$235.00

### Krytox 1506XP

For use in chemical processes which require inert mechanical vacuum pump oil fluids. Krytox XP oils contain a soluble additive to prevent rust. This patented additive enhances the performance of Krytox VPF fluids, giving them improved performance properties. The long-term anti-rust properties repel moisture, providing extra protection from corrosion of metal parts and bearing surfaces.



#### Use In Pumps:

Most Rotary Vane Vacuum Pumps

Krytox 1514 PFPE	SIZE	Ideal P/N	Krytox P/N	Price*
Krytox 1514 PFPE Oil	2.2 lbs(1kg.,0.5liter)	P102137	H11308018	\$199.99

### Krytox 1514

For use in chemical processes which require inert mechanical vacuum pump oil fluids. Krytox oil is specified for Boost Pump chemical inert vacuum pump specifications.



#### Use In Pumps:

Most Boost Vacuum Pumps

Krytox 1514XP PFPE	SIZE	Ideal P/N	Krytox P/N	Price*
Krytox 1514XP PFPE Oil	2.2 lbs(1kg.,0.5liter)	P102712	409032	\$235.00

### Krytox 1514XP

For use in chemical processes which require inert mechanical vacuum pump oil fluids. Krytox XP oils contain a soluble additive to prevent rust. This patented additive enhances the performance of Krytox VPF fluids, giving them improved performance properties. The long-term anti-rust properties repel moisture, providing extra protection from corrosion of metal parts and bearing surfaces.



#### Use In Pumps:

Most Rotary Vane Vacuum Pumps

Krytox 1525 PFPE	SIZE	Ideal P/N	Krytox P/N	Price*
Krytox 1525 PFPE Oil	2.2 lbs(1kg.,0.5liter)	P102709	409030	\$199.99

### Krytox 1525

For use in chemical processes which require inert mechanical vacuum pump oil fluids. Krytox oil is specified for Rotary Vane chemical inert vacuum pump specifications.



#### Use In Pumps:

Most Rotary Vane Vacuum Pumps

Krytox 1525XP PFPE	SIZE	Ideal P/N	Krytox P/N	Price*
Krytox 1525XP PFPE Oil	2.2 lbs(1kg.,0.5liter)	P102710	409033	\$235.00

### Krytox 1525XP

For use in chemical processes which require inert mechanical vacuum pump oil fluids. Krytox XP oils contain a soluble additive to prevent rust. This patented additive enhances the performance of Krytox VPF fluids, giving them improved performance properties. The long-term anti-rust properties repel moisture, providing extra protection from corrosion of metal parts and bearing surfaces.



#### Use In Pumps:

Most Rotary Vane Vacuum Pumps

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# Oils - Greases - Sealants - Hoses 13

## Oils PFPE for Chemical Processes

For Pumping Chemical Processes

### Alcatel Adixen by PFEIFFER VACUUM

Alcatel A113 PFPE	SIZE	Ideal P/N	Alcatel P/N	Price*
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Alcatel Adixen A113 PFPE (Fomblin 25/6) 1kg., 0.5 liter P102130 98703 \$330.00

Alcatel Adixen A113 PFPE (Fomblin 25/6) 8kg., 1 gal. P102132 98705 \$1,880.00

#### A113 (Fomblin 25/6)

Fomblin 25/6 oil is specified by Alcatel to meet Rotary Vane and Roots RUVAC Boost Pump **Chemical Inert** vacuum pump specifications.

Use In Alcatel Adixen Pumps:

RUVAC Roots Blowers, RSV151, RSV151B, RSV301, RSV301B, RSV601, RSV601B, RSV1000, RSV2000.  
Rotary Vane, 1005C, 2005C, 2005CP, 2005C1, 2010C, 2010CP, 2010C1, 2010C2, 2015C, 2015CP, 2015C1, 2015C2, 2021C, 2021CP, 2021C1, 2021C2, 2004AC, 2008AC, 2012AC, 2012CP, 2020AC, 2033C, 2033C1, 2033CP, 2033C2, 2033CPH+, 2063C, 2063C1, 2063CP, 2063CP+, 2063C2, 2100AC, 2100C.



### Edwards

Edwards 06/6 PFPE	SIZE	Ideal P/N	Edwards P/N	Price*
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Edwards (Fomblin 06/6) PFPE Oil 2 lbs. (0.91 kg., 0.5 liter) P102117 H11301019 \$255.00

Edwards (Fomblin 06/6) PFPE Oil 16 lbs. (8 kg., 4 liter) P102120 H026004006 \$1,930.00

#### Fomblin 06/6

Is for use in **chemical processes** which require inert mechanical vacuum pump oil fluids. Fomblin 06/6 oil is specified by Edwards to meet Rotary Vane chemical inert vacuum pump specifications.

Use In Edwards Rotary Vane Pumps:

RV3, RV5, RV8, RV12, ELab2, Speedivac2, E2M0.7, E2M1, E2M1.5, E2M2, E2M5, E2M8, E1M12, E2M12, E1M18, E2M18, E2M28, E2M30, E1M40, E2M40, E1M80, E2M80, E1M175, E2M175, E1M275, E2M275.



Edwards Y16/6 PFPE	SIZE	Ideal P/N	Edwards P/N	Price*
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Edwards (Fomblin Y16/6) PFPE Oil 2 lbs. (0.91 kg., 0.5 liter) P102123 H11306019 \$245.00

Edwards (Fomblin Y16/6) PFPE Oil 16 lbs. (8 kg., 4 liter) P102120 H026001006 \$1,930.00

#### Fomblin Y16/6

Is for use in **chemical processes** which require inert mechanical vacuum pump oil fluids. Fomblin Y16/6 oil is specified by Edwards to meet Boost Pump chemical inert vacuum pump specifications.

Use In Edwards Boost Pumps:

EH250, EH500, EH1200, EH2600, EH4200  
QMB250, QMB500, QMB1200, IQMB250, IQMB500, & IQMB1200.



Edwards 25/6 PFPE	SIZE	Ideal P/N	Edwards P/N	Price*
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Edwards (Fomblin 25/6) PFPE Oil 2 lbs. (0.91 kg., 0.5 liter) P102128 H11312019 \$245.00

Edwards (Fomblin 25/6) PFPE Oil 16 lbs. (8 kg., 4 liter) P102129 H026008006 \$1,930.00

#### Fomblin 25/6

Is for use in **chemical processes** which require inert mechanical vacuum pump oil fluids. Fomblin 25/6 oil is specified by Edwards to meet Semiconductor Dry chemical inert vacuum pump specifications.

Use In Edwards Semiconductor Pumps:

QDP40, IQDP40, QDP80, IQDP80, IH80, IH160, IH600, IH1000, IH1800, IH1800HTX.



### PFEIFFER

PFEIFFER F4 PFPE	SIZE	Ideal P/N	Pfeiffer P/N	Price*
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PFEIFFER F4 PFPE (Perfluoropolyether) Oil 1kg., 0.5 liter P103420 PK005886-T \$668.00

#### F4 PFPE (Perfluoropolyether)

For the ultimate performance of your **Chemical Resistant** Pfeiffer Rotary Vane pumps. This oil is for pumping Oxygen, Ozone, Halogens, Uranium Compounds, Organic and Inorganic Solvents, HCL, BF3, PO3, and Fluorine.

Use In Pfeiffer Corrsive Pumps:

Duo 1.5C, 2.5C, 5mC, 10mC, 20mC, 35C, 65C, 120C, 250C, 004BC, 008BC, 012BC, 016BC, UNO 2.5C, 030AC, 060AC, Penta 10C, 20C, 35C.



PFEIFFER F5 PFPE	SIZE	Ideal P/N	Pfeiffer P/N	Price*
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PFEIFFER F5 PFPE (Perfluoropolyether) Oil 1kg., 0.5 liter P103421 PK001851-T \$665.00

#### F5 PFPE (Perfluoropolyether)

For the ultimate performance of your **Chemical Resistant** Pfeiffer Rotary Vane pumps. This oil is for pumping Oxygen, Ozone, Halogens, Uranium Compounds, Organic and Inorganic Solvents, HCL, BF3, PO3, and Fluorine.

Use In Pfeiffer Corrsive Pumps:

Duo 1.5C, 2.5C, 5mC, 10mC, 20mC, 35C, 65C, 120C, 250C, 004BC, 008BC, 012BC, 016BC, UNO 2.5C, 030AC, 060AC, Penta 10C, 20C, 35C.



### Oerlikon Leybold

Leybonol LVO 400	SIZE	Ideal P/N	Oerlikon P/N	Price*
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Leybonol LVO 400 PFPE 1.5 kg., 0.75 liter P104251 L40000 \$425.00

Leybonol LVO 400 PFPE 2.0 kg., 1 liter P103889 L40001 \$525.00

#### LVO 400

Oerlikon Leybold LVO 400 Leybonol PFPE **chemical inert** vacuum pump oil is specified to meet Ruvac Roots PFPE chemical inert vacuum pumps, and Trivac A & B, BCS Rotary Vane specifications. Replaces HE1600 PFPE Oil.

Use In Oerlikon Leybold Pumps:

RUVAC BLOWERS - WS251, WSU251, WS501, WSU501, WS501W, WS1001, WSU1001, WS1001W, WSU1001W, WS2001, WSU2001, WSU2001W, WSU2001W, ROTARY VANE - D2A, D4A, D8A, D16A, D30A, D60A, D90A, D2.5E, D1.6B, D4B, D8B, D16B, D25B, D40B, D65B, D16BCS, D25BCS, D40BCS, D65BCS.



Leybonol LVO 410	SIZE	Ideal P/N	Oerlikon P/N	Price*
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Leybonol LVO 410 PFPE 1.2 kg., 0.60 liter P104253 L41000 \$395.00

Leybonol LVO 410 PFPE 2.0 kg., 1 liter P104252 L41001 \$595.00

#### LVO 410

Oerlikon Leybold LVO 410 Leybonol PFPE **chemical inert** vacuum pump oil is specified to meet Rotary Piston Pump specifications. Replaces HE2700 PFPE Oil.

Use In Oerlikon Leybold Pumps:

ROTARY PISTON PUMPS - DK50, DK100, DK 200, E75, E225, & E250.



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# 13 Oils - Greases - Sealants - Hoses

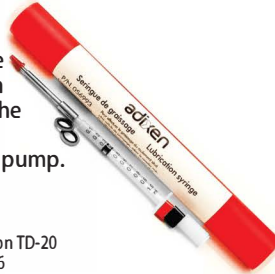
## Oils For Turbo Pumps

### Alcatel Adixen by PFEIFFER VACUUM

Grease Syringe	Ideal P/N	Adixen P/N	Price*
Alcatel/Adixen Grease Syringe	P103325	200027	\$145.00

#### Turbo Pump Grease Syringe

These Alcatel Adixen PFPE lubricating grease syringes are used to lubricate the bearings in Alcatel turbo vacuum pumps and systems. The grease syringe holds the correct amount of grease needed when servicing your vacuum pump.



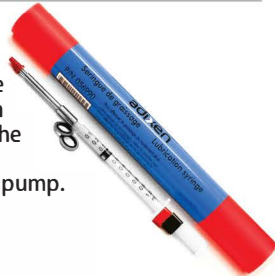
#### Use On Turbo Pumps:

5080, 5081, 5101, ATP80, ATP150, ATP400, ATP900, MDP-5010, MDP-5011, Drytel 30, Drytel 31, Drytel 100, Drytel 1025, Danielson TD-20, Danielson TD-30/16, Danielson TD-100/16, Danielson TD-200/16

Grease Syringe	Ideal P/N	Adixen P/N	Price*
Alcatel/Adixen Grease Syringe	P103324	200028	\$149.95

#### Turbo Pump Grease Syringe

These Alcatel Adixen PFPE lubricating grease syringes are used to lubricate the bearings in Alcatel turbo vacuum pumps and systems. The grease syringe holds the correct amount of grease needed when servicing your vacuum pump.



#### Use On Turbo Pumps:

TMP 5150, TMP 5400, TMP 5900

Grease Syringe	Ideal P/N	Adixen P/N	Price*
Alcatel/Adixen Grease Syringe Stock ABG400 50ml	P104890	200031	\$450.00

#### Turbo Pump Grease Syringe

These Alcatel Adixen PFPE lubricating grease syringes are used to lubricate the bearings in Alcatel turbo vacuum pumps and systems. 50ml.



#### Use On Turbo Pumps:

TMP 5150, TMP 5400, TMP 5900, 5080, 5081, 5101, ATP80, ATP150, ATP400, ATP900, MDP-5010, MDP-5011, Drytel 30, Drytel 31, Drytel 100, Drytel 1025, Danielson TD-20, Danielson TD-30/16, Danielson TD-100/16, Danielson TD-200/16, and others.

### Cambridge Mill

CMP-500 Turbo Pump Oil	Ideal P/N	Cambridge P/N	Price*
CMP-500 Turbo Pump Oil - 1 liter	P103607	CMP500QT	\$225.00

#### CMP-500

Used as a lubricant in older oil bearing turbo pumps.

#### Use On Turbo Pumps:

Edwards: EXT 70, 200, 250, 255, 351, 551  
Leybold: TMP-150, TMP-360, TMP-220, TMP-450  
Pfeiffer: TPH/TPU 050, 060, 062, 064, 071, 100, 110, 170, 190, 240, 260, 270, 330, 510, etc.  
Varian: V80, V200, V300, V450



### PFEIFFER

Turbo Oil Fluid Reservoir	Ideal P/N	Pfeiffer P/N	Price*
Pfeiffer Oil Fluid Lubricant Felt Reservoir with O-ring	P102776	PM103593AT	\$99.99

#### Oil Fluid Reservoir

The lubricant reservoir should be replaced at least every three years. Where extreme operating conditions or unclean processes are involved, the replacement should occur more frequently.



#### Use On Turbo Pumps:

PFEIFFER BALZERS: TPH/U 020, 040, 050, 060, 062, 065 and 071P.

Turbo Oil Fluid Reservoir	Ideal P/N	Pfeiffer P/N	Price*
Pfeiffer Oil Fluid Lubricant Felt Reservoir with O-ring	P102777	PM063265T	\$99.99

#### Oil Fluid Reservoir

The lubricant reservoir should be replaced at least every three years. Where extreme operating conditions or unclean processes are involved, the replacement should occur more frequently.



#### Use On Turbo Pumps:

PFEIFFER BALZERS: TPH/U 180H, 190, 240, 450H and 520.

Turbo Oil Fluid Reservoir	Ideal P/N	Pfeiffer P/N	Price*
Pfeiffer Oil Fluid Lubricant Felt Reservoir	P103665	PM063266T	\$99.99

#### Oil Fluid Reservoir

The lubricant reservoir should be replaced at least once a year or when replacing the bearing of the pump. Lubricant Reservoir and PorexRods are included (if needed).



#### Use On Turbo Pumps:

PFEIFFER BALZERS: TMH/U 261Y thru 521Y and TPH/U 180 thru 520

### Oerlikon Leybold

LVO 250 Turbovac Fluid	Ideal P/N	Oerlikon P/N	Price*
LVO 250 Oerlikon Leybold Diester Turbovac Fluid 300 cc	P104036	L 250 00	\$125.00

#### LVO 250

Synthetic diester fluid for Leybold Turbovac standard and corrosive applications. Has very low viscosity and low volatility. The high speed bearings in a turbomolecular pump require a low viscosity oil.

#### Use On Oerlikon Leybold Pumps:

All Leybold Turbovac Turbomolecular vacuum pumps



\* Catalog Pricing  
Subject to Change



# APIEZON

For Complete MSDS Information  
Download .pdf's from [www.idealvac.com](http://www.idealvac.com)

Apiezon AP100	SIZE	Ideal P/N	Apiezon P/N	Price*
Apiezon AP100 Ultra High Vacuum Grease	50 gram	P102544	AP10050G	\$141.22

### Apiezon AP100 Grease

With a vapor pressure of lower than 10<sup>-10</sup> Torr at 20°C (68°F), Apiezon AP 100 is a lubricating grease designed for use with equipment present within ultra high vacuum systems. The key features of AP 100 are that it exhibits extremely high levels of lubricity.



Apiezon AP101	SIZE	Ideal P/N	Apiezon P/N	Price*
Apiezon AP101 Anti Seize Vacuum Grease	50 gram	P102545	AP10150G	\$64.69

### Apiezon AP101 Grease

Key features, anti-seize properties, critical lubricant, non-silicone based, contains micronized particles of PTFE, solvent/chemical resistance, and wide temperature range. Contains PTFE which confers superior anti-seize properties providing long-lasting lubrication and ensuring smooth operation of stop cocks and taps. Optimum consistency over the -15 to +150 °C (+5 to 302 °F) temperature range, but is usable down to -40 °C (-40 °F) and for limited periods, up to +180 °C (356 °F).



Apiezon H	SIZE	Ideal P/N	Apiezon P/N	Price*
Apiezon H Vacuum Grease	50 gram	P102546	APH50G	\$128.61

### Apiezon H Grease

Apiezon H is designed for applications at higher temperatures and of all the Apiezon greases, is the formulation for the highest temperatures. Apiezon H grease can be used over a wide range of temperatures from -10 to +240 °C, while optimum consistency is retained at between +10 and +110°C.



Apiezon L Ultra	SIZE	Ideal P/N	Apiezon P/N	Price*
Apiezon L Ultra High Vacuum Grease	25 gram	P102541	APL25G	\$94.70
Apiezon L Ultra High Vacuum Grease	50 gram	P102585	APL50G	\$131.07

### Apiezon L Ultra Grease

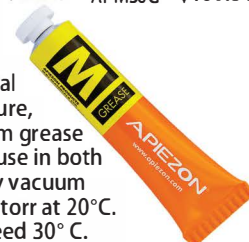
Apiezon Grease, Type L relative to the other greases, contains lower molecular weight wax and is reported to contain absolutely no additives whatsoever. The ultimate vapor pressure is 2x10<sup>-11</sup> torr at 20°C and the best of all the Apiezon greases. The grease can be used in gas liquid chromatography applications and also the ground glass joints of any vacuum system.



Apiezon M Economical	SIZE	Ideal P/N	Apiezon P/N	Price*
Apiezon M Economical Vacuum Grease	25 gram	P102543	APM25G	\$59.97
Apiezon M Economical Vacuum Grease	100 gram	P102586	APM50G	\$106.84

### Apiezon M Economical Grease

Apiezon Type M Vacuum Grease is a good and economical high-vacuum grade lubricant. Initial pump down characteristics, at room temperature, are excellent. World's most widely used vacuum grease in electron microscope laboratories including use in both the electron microscope itself and the ancillary vacuum evaporator equipment. Vapor pressure 2x10<sup>-9</sup> torr at 20°C. Not intended for use where temperatures exceed 30° C.



Apiezon N Cryogenic 4K	SIZE	Ideal P/N	Apiezon P/N	Price*
Apiezon N Cryogenic 4K High Vacuum Grease	25 gram	P102142	APN25G	\$145.02

### Apiezon N Cryogenic 4 K Grease

For low temperature applications, nothing comes close in performance to Apiezon N Grease. The product retains most of its important properties all the way down to -269°C/-452°F/4°K. This innovative new lubricant solution to those low temperature challenges can also be cycled from these low temperatures up to room temperature and then back down without showing visible signs of cracking. This grease is also completely free of any silicones or halogens.



Apiezon T	SIZE	Ideal P/N	Apiezon P/N	Price*
Apiezon T Medium Temp. Vacuum Grease	25 gram	P102542	APT25G	\$124.27

### Apiezon T Grease

For medium temperature and stopcock grease and for other general lubrication requirements. It is guaranteed to be silicon free. The vapor pressure is 5x10<sup>-9</sup> torr at 20°C. The maximum recommended use temperature if 120°C.



Apiezon Q Soft Seal	SIZE	Ideal P/N	Apiezon P/N	Price*
Apiezon Q Compound Soft Sealing Wax	1kg	P102548	APQ1KG	\$134.60

### Apiezon Q Wax

The key features: Temporary seal, Low vacuum range only, Versatile, and Easy to use. Apiezon Sealing Compound Q exhibits good vacuum properties in the lower vacuum range. Typical working temperature range -10 to +30°C, ambient temperature for application, approximate softening point 40-50°C, 1 kg packaging, and vapor pressure 1x10<sup>-4</sup> Torr @ 20°C.



\* Catalog Pricing  
Subject to Change



# 13 Oils - Greases - Sealants - Hoses

## Greases

### APIEZON

Apiezon W Wax	SIZE	Ideal P/N	Apiezon P/N	Price*
Apiezon W Hard Sealing Wax	25X20g sticks	P102550	APW20	\$132.64
Apiezon W Hard Sealing Wax	1kg block	P104530	APW1kg	\$111.76

#### Apiezon Hard W Wax

Key features: Jointing media, "Gettering" qualities, etch fluid resistant, mounting media, and low to medium vacuum range. Apiezon wax being a solid at ambient temperatures is ideal for use where a rigid permanent or semi-permanent sealed joint is required. Equally effective at maintaining seals in vacuum systems down to 10<sup>-9</sup> torr at 20°C (dependent on the wax) and in systems at small positive pressures.



Apiezon W100 Wax	SIZE	Ideal P/N	Apiezon P/N	Price*
Apiezon W100 Softer/Hard Sealing Wax	250 grams	P102549	APW100	\$132.25

#### Apiezon Soft/Hard W100 Wax

Key features: Jointing media, "Gettering" qualities, etch fluid resistant, mounting media, and low to medium vacuum range. Apiezon wax being a solid at ambient temperatures is ideal for use where a rigid permanent or semi-permanent sealed joint is required. Equally effective at maintaining seals in vacuum systems down to 10<sup>-9</sup> torr at 20°C (dependent on the wax) and in systems at small positive pressures. (Softer than W Wax, but not as soft as W40, thus reducing the risk of cracking glass joints if they are subject to vibration. With a melting point of 45°C.)



Apiezon W40 Wax	SIZE	Ideal P/N	Apiezon P/N	Price*
Apiezon W40 Softer Sealing Wax	250 grams	P102547	APW40	\$132.93

#### Apiezon Softer W40 Wax

Key features: Jointing media, "Gettering" qualities, etch fluid resistant, mounting media, and low to medium vacuum range. Apiezon wax being a solid at ambient temperatures is ideal for use where a rigid permanent or semi-permanent sealed joint is required. Equally effective at maintaining seals in vacuum systems down to 10<sup>-9</sup> torr at 20°C (dependent on the wax) and in systems at small positive pressures. (Softer than W100 and W Wax, thus reducing the risk of cracking glass joints if they are subject to vibration. With a melting point of 45°C.)



Apiezon J and K Oil	SIZE	Ideal P/N	Apiezon P/N	Price*
Apiezon J Vacuum Sealing Oil	500 mil.	P104260	APOJ	\$262.55
Apiezon K Vacuum Sealing Oil	500 mil.	P104261	APOK	\$377.69

#### Apiezon J & K Sealing Oil

Used in situations where moderate viscosity and low vapor pressures are required.

**J** - Viscosity, kinematic, cSt@ 40°C/104°F 3330  
100°C/212°F 107  
Viscosity, dynamic (cP) @40°C/104°F 3005

**K** - Viscosity, kinematic, cSt@ 40°C/104°F 5710  
100°C/212°F 177

Viscosity, dynamic (cP) @40°C/104°F 5160



### FOMBLIN

Fomblin AR555	SIZE	Ideal P/N	Fomblin P/N	Price*
Fomblin AR555 Grease	100 grams	P102907	H11350013	\$217.25

#### Fomblin AR555 Grease

Excellent lubricant for sliding elastomer seals. It has a very low vapor pressure and is suitable for use in the presence of gaseous and liquid oxygen under severe condition. A general purpose grease but the vapor pressure is not specifically controlled. Vapor pressure <10<sup>-7</sup> mbar at 20°C. Torr.



Fomblin AR555	SIZE	Ideal P/N	Fomblin P/N	Price*
Fomblin AR555 Grease	100 gram syringe	P102909	AR555	\$223.95

#### Fomblin AR555 Grease Syringe

Excellent lubricant for sliding elastomer seals. It has a very low vapor pressure and is suitable for use in the presence of gaseous and liquid oxygen under severe condition. A general purpose grease but the vapor pressure is not specifically controlled. Vapor pressure <10<sup>-7</sup> mbar at 20°C. Torr.



Fomblin YVAC3	SIZE	Ideal P/N	Fomblin P/N	Price*
Fomblin YVAC3 Grease	100 grams	P102908	409223	\$162.40

#### Fomblin YVAC3 Grease

A homogeneous white grease particularly suitable for use as a lubricant of mechanical parts operating at high vacuum and in contact with aggressive chemicals or oxygen. Y VAC 3 is used in "lubricating for life" applications. Y VAC 3 can be used for long periods of time and at very high operating temperatures (from -20°C to +200°C)



Fomblin RT15	SIZE	Ideal P/N	Fomblin P/N	Price*
Fomblin RT15 Grease	100 gram	P103012	407923	\$135.00

#### Fomblin RT15 Grease

Based on Fomblin Y (PFPE) fluid with tetrafluoroethylene telomer. This grease resists oxidation and aggressive chemical reagents, compatible with glasses, metals, and elastomers. Lubricates o-rings and glass or metal joints designed for vacuum.



\* Catalog Pricing  
Subject to Change

### AGILENT Varian

Agilent/Varian Medium	SIZE	Ideal P/N	Agilent P/N	Price*
Agilent/Varian Medium High Vacuum Grease	1/4 lb.	P102633	LGCMD025	\$116.86

**Agilent/Varian Medium Grease**  
Silicone grease is a waterproof grease made by combining a silicone oil with a thickener. Silicone grease is commonly used for lubricating and preserving rubber parts, such as O-rings. Additionally, silicone grease does not swell or soften the rubber, which can be a problem with hydrocarbon based greases. It functions well as a corrosion-inhibitor and lubricant for purposes that requires a vacuum tight thicker lubricant.



Agilent/Varian Medium	SIZE	Ideal P/N	Agilent P/N	Price*
Agilent/Varian Heavy High Vacuum Grease	1/4 lb.	P102140	LGHEV025	\$72.99

**Agilent/Varian Heavy Grease**  
Silicone grease is a waterproof grease made by combining a silicone oil with a thickener. Silicone grease is commonly used for lubricating and preserving rubber parts, such as O-rings. Additionally, silicone grease does not swell or soften the rubber, which can be a problem with hydrocarbon based greases. It functions well as a corrosion-inhibitor and lubricant for purposes that requires a vacuum tight thicker lubricant.



Agilent/Varian Medium	SIZE	Ideal P/N	Agilent P/N	Price*
Agilent/Varian Medium High Vacuum Grease	1 lb.	P102632	LGCMD100	\$236.68

**Agilent/Varian Medium Grease**  
Silicone grease is a waterproof grease made by combining a silicone oil with a thickener. Silicone grease is commonly used for lubricating and preserving rubber parts, such as O-rings. Additionally, silicone grease does not swell or soften the rubber, which can be a problem with hydrocarbon based greases. It functions well as a corrosion-inhibitor and lubricant for purposes that requires a vacuum tight thicker lubricant.



Agilent/Varian Medium	SIZE	Ideal P/N	Agilent P/N	Price*
Agilent/Varian Heavy High Vacuum Grease	1 lb.	P102634	LGHEV100	\$138.00

**Agilent/Varian Heavy Grease**  
Silicone grease is a waterproof grease made by combining a silicone oil with a thickener. Silicone grease is commonly used for lubricating and preserving rubber parts, such as O-rings. Additionally, silicone grease does not swell or soften the rubber, which can be a problem with hydrocarbon based greases. It functions well as a corrosion-inhibitor and lubricant for purposes that requires a vacuum tight thicker lubricant.



### Dow Corning

High Vacuum Grease	SIZE	Ideal P/N	Dow P/N	Price*
Dow Corning High Vacuum Grease	5.3 oz.	P102141	976V	\$29.50

**Dow Corning Grease**  
Dow Corning High Vacuum Grease is a stiff, nonmelting silicone lubricating material and has much higher stability at the higher end of the temperature range (-40°C to 200°C), than hydrocarbon greases such as Apiezon® M, however, its initial room temperature pump down characteristics are not quite as good taking noticeably longer to out-gas. This grease is very popular as a general laboratory lubricant, in large part to its low cost relative to the alternatives. The product is very popular as a stop cock grease as well as for use as an anti-seize grease in ground glass joints.



### Krytox

Chemical Inert Grease	SIZE	Ideal P/N	Krytox P/N	Price*
Krytox Chemical Inert Vacuum Grease	2 oz.	P102146	LVP2oz	\$119.99

**Chemical Inert Vacuum Grease**  
A high-performance, non-flammable and chemically inert lubricant that is compatible with oxygen and has a strong resistance to aggressive chemicals. Provides extended life across a wide range of high-temperature applications.



\* Catalog Pricing  
Subject to Change



# 13 Oils - Greases - Sealants - Hoses

## Sealants

### Swagelok

For technical information on these products go to our website [www.idealvac.com](http://www.idealvac.com) and plug the Ideal Vacuum P/N in our search bar

Sealant-Lubricant-Tape	SIZE	Ideal P/N	Swagelok P/N	Price*
Swagelok SWAK MS-PTS-50 Pipe Anaerobic Thread Sealant	1.69 oz.	P103997	MS-PTS-50	\$33.00
Swagelok PTFE-Free MS-TFS-50 Pipe Thread Sealant	1.69 oz.	P104538	MS-TFS-50	\$49.00
Swagelok VAC GOOP Fluorosilicone Based Thread Lubricant	1 oz.	P104551	MS-TL-VGT	\$70.00
Swagelok PTFE Teflon Tape - Pipe Thread Sealant	1/4" X 576"	P104552	MS-STR-4	\$12.50
Swagelok PTFE Teflon Tape - Pipe Thread Sealant	1/2" X 288"	P104553	MS-STR-8	\$12.50



P104552 / P104553



P104551  
P104538  
P103997

### AGILENT Varian

Torr Seal Epoxy	SIZE	Ideal P/N	Agilent P/N	Price*
Varian Torr Seal High Vacuum Epoxy good to 1X10 <sup>-9</sup> Torr	118 grams	P102144	9530001	\$65.25
Varian Torr Seal Epoxy Mixing System Gun	2 oz. with gun	P102619	9530002	\$146.00
Varian Torr Seal Epoxy Mixing Replacement Mixers	6 to package	P102631	9530005	\$25.00
Varian Torr Seal Epoxy Cartridge & 3 Mixers for Gun	2 oz. cartridge	P103240	9530004	\$72.00



P102144  
P102619  
P103240  
P102631

### Permatex/Three Bond

Silicone Sealant	SIZE	Ideal P/N	Permatex P/N	Price*
Permatex Rigid High Torque Ultra GRAY Silicone Sealant	3.5 oz.	P102143	82194	\$29.50
Permatex RED High Temp RTV Silicone Gasket Maker	3 oz.	P102629	81160	\$29.50
Permatex CLEAR RTV Silicone Vacuum Adhesive Sealant	3 oz.	P102630	66B	\$29.50
Three Bond 1211V Silicone White Gasket Maker	3.5 oz.	P103550	G9L010	\$49.62



P102143 P102629 P102630 P103550

### Loctite

Sealant-Epoxy-Stripper	SIZE	Ideal P/N	Loctite P/N	Price*
Loctite 592 Thread Sealant & Gasket Maker PTFE	1.69 oz.	P102145	59231	\$29.50
Loctite 1CVHysol Epoxy Patch Adhesive	4.2 oz.	P103551	442-83200	\$49.50
Loctite Chisel Paint Stripper	18 oz.	P103496	79040	\$59.95



P102145  
P103496  
P103551

### Ideal Vacuum Products

Vacuum Sealant	SIZE	Ideal P/N	Price*
Ideal VacSeal Thermal Plastic Vacuum Sealant	8 oz.	P102599	\$49.75

#### Ideal VacSeal

Inseal Vacuum sealant has excellent sealing ability for metal interfaces of vacuum components with resistance to water, oil, alcohol and mild acid. This thermal-plastic will be unaffected by temperature up to 350°F. The cured film has a vapor pressure less than .00001 torr. Ideal VacSeal comes in 8 oz. cans with brush applicator inside. Vapor Pressure: <10-4 Torr Specific Gravity: .92 gm/mL

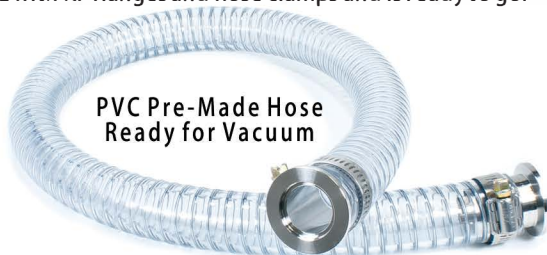


\* Catalog Pricing Subject to Change



Pre-Made PVC Hose	Flange & Length	Ideal P/N	Price*
PVC Pre-made Hose with Flanges & Clamps	KF16, 1 ft. long	P103799	\$66.00
PVC Pre-made Hose with Flanges & Clamps	KF16, 2 ft. long	P103800	\$72.00
PVC Pre-made Hose with Flanges & Clamps	KF16, 3 ft. long	P103801	\$78.00
PVC Pre-made Hose with Flanges & Clamps	KF16, 6 ft. long	P103802	\$96.00
PVC Pre-made Hose with Flanges & Clamps	KF25, 1 ft. long	P103796	\$76.00
PVC Pre-made Hose with Flanges & Clamps	KF25, 2 ft. long	P103797	\$82.00
PVC Pre-made Hose with Flanges & Clamps	KF25, 3 ft. long	P103798	\$88.00
PVC Pre-made Hose with Flanges & Clamps	KF25, 6 ft. long	P103805	\$106.00
PVC Pre-made Hose with Flanges & Clamps	KF40, 1 ft. long	P103803	\$85.50
PVC Pre-made Hose with Flanges & Clamps	KF40, 2 ft. long	P103804	\$96.50
PVC Pre-made Hose with Flanges & Clamps	KF40, 3 ft. long	P103806	\$107.50
PVC Pre-made Hose with Flanges & Clamps	KF40, 6 ft. long	P103808	\$140.50
PVC Pre-made Hose with Flanges & Clamps	KF50, 1 ft. long	P103807	\$111.50
PVC Pre-made Hose with Flanges & Clamps	KF50, 2 ft. long	P103809	\$125.40
PVC Pre-made Hose with Flanges & Clamps	KF50, 3 ft. long	P103810	\$153.40
PVC Pre-made Hose with Flanges & Clamps	KF50, 6 ft. long	P103811	\$181.40

**PVC Pre-Made Hose with KF Flanges and Hose Clamps**  
 PVC vacuum hose is steel wire reinforced with a temp range from 20 to 150F. Resistant to chemicals, non-marking, non-toxic, silicone-free, is flexible and developed for mechanical vacuum pumps. This hose is PRE-MADE with KF flanges and hose clamps and is ready to go.



PVC Pre-Made Hose Ready for Vacuum

### Vinyl Vacuum Tubing Thick Wall Flexible

SIZE	Ideal P/N	Price* per foot
1/4" ID X 5/8" OD	P103303	\$7.50
3/8" ID X 7/8" OD	P103304	\$12.75



### Hose Clamps (For PVC and Pure Gum Rubber Hoses)

PVC Hose Size ID	Ideal P/N	Price*	Rubber Hose Size ID	Ideal P/N	Price*	Rubber Hose Size ID	Ideal P/N	Price*
1/4"	P105221	\$2.00	1/8"	P105229	\$2.00	1.0"	P105238	\$4.00
3/8"	P105222	\$2.00	3/16"	P105230	\$2.00	1-1/4"	P101428	\$4.00
1/2"	P105223	\$2.50	5/16"	P105231	\$2.50	1-1/2"	P101430	\$4.50
5/8"	P105224	\$2.50	1/4"	P105232	\$2.50	1-5/8"	P101432	\$4.50
3/4"	P105225	\$2.50	3/8"	P105233	\$2.50	2.0"	P101431	\$4.50
1.0"	P105226	\$3.00	1/2"	P105234	\$3.00			
1-1/4"	P101429	\$3.00	5/8"	P105235	\$3.00			
1-1/2"	P105227	\$4.50	3/4"	P105236	\$3.00			
2.0"	P105228	\$4.50	13/16"	P105237	\$3.00			

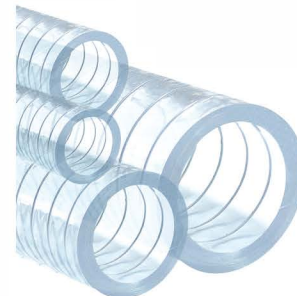


Sold as One Each

PVC Vacuum Hose	SIZE	Ideal P/N	Price* per foot
PVC Steel Reinforced Clear Vacuum Hose	1/4" ID X 7/16" OD	P103175	\$3.95
PVC Steel Reinforced Clear Vacuum Hose	3/8" ID X 5/8" OD	P103174	\$3.95
PVC Steel Reinforced Clear Vacuum Hose	1/2" ID X .861" OD	P102139	\$3.95
PVC Steel Reinforced Clear Vacuum Hose	5/8" ID X .861" OD	P101409	\$4.00
PVC Steel Reinforced Clear Vacuum Hose	3/4" ID X 1.028" OD	P101410	\$5.00
PVC Steel Reinforced Clear Vacuum Hose	1.0" ID X 1.290" OD	P101411	\$6.00
PVC Steel Reinforced Clear Vacuum Hose	1 1/4" ID X 1.604" OD	P101412	\$8.00
PVC Steel Reinforced Clear Vacuum Hose	1 1/2" ID X 1.854" OD	P101413	\$11.00
PVC Steel Reinforced Clear Vacuum Hose	2.00" ID X 2.394" OD	P101414	\$14.00

(Sold by the Foot)

**PVC Hose**  
 PVC vacuum hose is steel wire reinforced with a temp range from 20 to 150F. Resistant to chemicals, non-marking, non-toxic, silicone-free, is flexible and developed for mechanical vacuum pumps. Fastens with hose clamps and PVC adapters.



Pure Gum Rubber Hose	SIZE	Ideal P/N	Price* per foot
Pure Gum Rubber Vacuum Hose Tubing	1/8" ID X 1/16" wall	P102622	\$5.40
Pure Gum Rubber Vacuum Hose Tubing	3/16" ID X 3/16" wall	P102623	\$5.40
Pure Gum Rubber Vacuum Hose Tubing	5/16" ID X 1/4" wall	P102624	\$5.40
Pure Gum Rubber Vacuum Hose Tubing	1/4" ID X 3/8" wall	P102625	\$6.00
Pure Gum Rubber Vacuum Hose Tubing	3/8" ID X 7/16" wall	P103177	\$7.75
Pure Gum Rubber Vacuum Hose Tubing	1/2" ID X 3/8" wall	P103176	\$7.00
Pure Gum Rubber Vacuum Hose Tubing	5/8" ID X 3/8" wall	P101427	\$7.50
Pure Gum Rubber Vacuum Hose Tubing	3/4" ID X 3/8" wall	P101420	\$850
Pure Gum Rubber Vacuum Hose Tubing	13/16" ID X 3/8" wall	P101421	\$10.00
Pure Gum Rubber Vacuum Hose Tubing	1" ID X 1/2" wall	P101422	\$14.00
Pure Gum Rubber Vacuum Hose Tubing	1 1/4" ID X 1/2" wall	P101423	\$16.00
Pure Gum Rubber Vacuum Hose Tubing	1 1/2" ID X 1/2" wall	P101424	\$35.00
Pure Gum Rubber Vacuum Hose Tubing	1 5/8" ID X 11/16" wall	P101426	\$21.00
Pure Gum Rubber Vacuum Hose Tubing	2" ID X 1/2" wall	P101425	\$21.00

(Sold by the Foot)

**Pure Gum Rubber Hose**  
 Pure gum rubber hose tubing is tear resistant and keeps its memory. It safely conducts acids, chemicals and gases. Resistant to cold and hot temps and very versatile, is flexible and developed especially for mechanical vacuum pumps. Fastens with hose clamps and KF rubber hose adapters.



\* Catalog Pricing  
 Subject to Change