

Getting the Most from Your Vacuum Pump

With proper care and maintenance, you can maximize the return on your investment in vacuum technology. Use this Catalog to find everything you need for your vacuum pump.

- Operation
- Maintenance
- Repair
- Repair Services



5 Key Elements to Top Pump Performance and Long Life

1

Change oil frequently. Certified Welch® Oil protects your pump for efficient operation and long life.



8995G-11



1407K-11

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2

Protect your pump from damaging fumes and particulates. Use cold traps and in-line filters to limit contaminants that reduce vacuum efficiency and pump life.



1420H-14



1475K-21

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3

Changing exhaust filters periodically maximizes air flow, minimizes noise, and reduces airborne oil and particulates.



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1412C

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4

Buying Certified Welch-Ilmvac Rebuild Kits provides original parts for repair - enables a return to your pump's original performance specifications.



402044-US

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5

Economically restore your pump to top condition through Welch-Ilmvac warrantied repair service. See how our pump maintenance pays off - better performance and fewer repairs using original equipment replacement components.



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How to Select Welch Oil

Pump Type	Oil Grade	
	Standard Duty	Aggressive Applications (Corrosive Fumes)
ChemStar®	Gold	Gold
Direct-Drive	Premium	Gold
DuoSEAL	DuoSeal	Gold

Gold Vacuum Pump Oil



- Exceptionally low vapor pressure
- High stability in chemical environments
- No additives or inhibitors
- Recommended for Welch belt-drive and direct-drive pumps

A double distilled synthetic hydrocarbon oil designed for excellent resistance when pumping corrosive gases or vapors. A synthetic base stock that has no aromatic compounds or sulfur which accelerate varnishing, sludging and carbon build-up when pumps are used to pump corrosives. Gold Oil will give a longer service life and superior protection for the internal metal components of a pump in corrosive pumping applications compared to DuoSEAL and Premium Oil. Gold Oil offers excellent vacuum pressure in both belt-driven and direct-driven vacuum pumps over time. Gold Oil is miscible with conventional hydrocarbon oils and can be used without rebuilding the pump. The oil is clear and colorless.

CAT. No.	8995G-11	8995G-15	8995G-20
Size	Liter	Gallon	5 Gallon

Premium Vacuum Pump Oil



- Low vapor pressure
- Designated for high RPM Direct-Drive vacuum pumps
- No additives or inhibitors
- Recommended for Welch direct-drive vacuum pumps

A triple-distilled hydrocarbon oil using severely hydrotreated base stock is designed to resist breakdown at higher RPMs and operating temperatures of direct-drive vacuum pumps. The hydrotreating virtually eliminates aromatics and sulfur to give good resistance to sludge and varnish formation overtime in corrosive environments. Premium Oil enables direct-drive vacuum pumps to maintain the highest vacuum performance over time. The oil is light yellow.

CAT. No.	8995P-11	8995P-15	8995P-20
Size	Quart	Gallon	5 Gallon

DuoSEAL® Vacuum Oil



- Low vapor pressure
- Ideal viscosity for belt-drive vacuum pumps
- High consistency
- Recommended for DuoSEAL belt-drive pumps

A specially fractionated oil for DuoSEAL® belt-driven pumps is designed to ensure the highest vacuum performance. The oil is tested to high vacuum levels to meet rigid requirements for vapor pressure, vacuum level stability, and viscosity. DuoSEAL® Oil is famous for its quality and consistency.

CAT. No.	1407K-11	1407K-15	1407K-20
Size	Quart	Gallon	5 Gallon

GELMASTER™ Trapping Fluid



- High stability in chemical environments
- Low vapor pressure
- Recommended for GELMASTER™

Welch GEM® Pumping and Trapping Fluid is a specially formulated paraffin based hydrocarbon oil for use in the GELMASTER™ gel-drying system. The blue color of the trapping fluid makes it easy to distinguish from the trapped condensate when draining the system. The trapping fluid can be used repeatedly since it does not mix with the condensate. It will appear greenish in color when contaminated.

CAT. No.	8995C	8995C-15
Size	Liter	Gallon

Peristaltic - Fluid Transfer Pumps

Models 3100/3200

Replacement Cartridges for Models 3100/3200

Material	Silicone	PVC
Applications	Biofluids / Food	General Lab, Viscous Fluids
Tubing I.D. (Flow Rate Range)	Tubing Cartridges (5 each) CAT. No.	Tubing Cartridges (5 each) CAT. No.
1.6mm (3-30 ml/min) - 5 pack	3432K-01	3434K-01
3.2mm (10-130 ml/min) - 5 pack	3432K-02	3434K-02
4.8mm (30-300 ml/min) - 5 pack	3432K-04	3434K-04



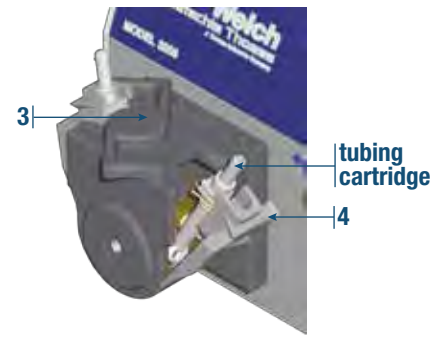
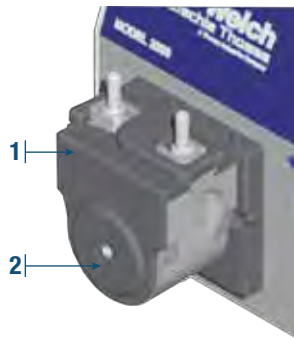
3100



3200

Service Kit CAT. No. 3200K-02 for Models 3100/3200

ID	Qty.	Description
1	1	Pump Head
2	1	Roller Carrier
3	1	Lock
4	1	Rolling Band



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