

# AEON<sup>®</sup> Synthetic Lubricants

AEON<sup>®</sup> PD, AEON<sup>®</sup> PD-FG, AEON<sup>®</sup> PD-XD



**GD**  
GARDNER DENVER<sup>®</sup>

Experience Proven Results<sup>™</sup>

# AEON® Synthetic Lubricants



## *AEON PD-XD is now available!*

- AEON PD-XD has the highest viscosity offered by Gardner Denver for Extreme Duty applications
- Designed specifically for high ambient and high discharge temperature conditions

## More Economical than Mineral Oil

- Longer service life
- Fewer oil changes and less replacement oil
- Less down time = higher productivity
- Reduced maintenance personnel and material costs
- Reduced oil disposal costs
- Better for the environment

## Application

- Positive Displacement blowers & vacuum pumps
- AEON PD Synthetic Lubricants provide maximum protection for demanding operating conditions in any environment or application

## Description

- AEON PD Synthetic Lubricants are custom blended, synthetic hydrocarbon (polyalphaolefin) based oils
- AEON PD products are free of toxic materials or heavy metals per OSHA and EPA guidelines
- AEON PD is compatible with the majority of seal materials: teflon, viton, nitrile buna N, fluorocarbon, polysulfide, polyacrylic and fluorosilicone
- AEON PD-FG Food Grade complies with FDA 21 CFR 178.3570 requirements for lubricants with the possibility of incidental food contact
- AEON PD-FG is NSF approved

## Usage & Performance

- Superior performance in a variety of application and temperatures
- Factory recommended for Gardner Denver Sutorbilt®, DuroFlow®, CycloBlower®, HeliFlow® and TriFlow® PD blowers and vacuum pumps
- Formulated for minimal blower wear and maximum equipment life
- Optimized viscosity provides superior lubrication in severe hot and cold temperatures with minimal energy consumption

## Benefits of AEON PD VS. MINERAL OIL

### Longer Service Life & Improved Performance

- AEON PD typically lasts up to 4 times longer than mineral oils operating under the same conditions
  - Severe operating conditions may warrant more frequent oil changes
  - Laboratory analysis of the oil should be used to help determine the optimum oil change interval
- AEON PD Lubricants have a higher viscosity index
- AEON PD lubricates equipment more effectively and better maintains viscosity at high temperatures
- No need for seasonal oil changes (refer to Operating & Maintenance manuals for specific information)
- Mineral Oils have poor low temperature properties, resulting in increased wear during start-up, ultimately shortening equipment life
- Mineral oils have increased water content reducing bearing life exponentially

### Advanced Chemistry

- AEON PD superior oil/water separation and corrosion inhibitors protect bearings and extend blower life significantly
- Rust and oxidation inhibitors, and anti-foam additives provides improved performance



## AEON® PD Blower Lubrication Chart

		Ambient Temperatures				
		Less than 10° F	10° F to 32° F	32° F to 60° F	60° F to 90° F	Greater than 90° F
Blower Discharge Temperatures	Less than 32° F	AEON PD AEON PD-FG	AEON PD AEON PD-FG			
	32° F to 100° F	AEON PD AEON PD-FG	AEON PD AEON PD-FG	AEON PD AEON PD-FG AEON PD-XD	AEON PD AEON PD-FG AEON PD-XD	
	100° F to 200° F	AEON PD AEON PD-FG	AEON PD AEON PD-FG	AEON PD AEON PD-FG AEON PD-XD	AEON PD AEON PD-FG AEON PD-XD	AEON PD AEON PD-FG AEON PD-XD
	200° F to 300° F	AEON PD AEON PD-FG	AEON PD AEON PD-FG	AEON PD AEON PD-FG AEON PD-XD	AEON PD-XD	AEON PD-XD
	Greater than 300° F		AEON PD AEON PD-FG	AEON PD-XD	AEON PD-XD	AEON PD-XD

Recommended AEON PD lubricant based on operating conditions.

## Technical Data

Properties	AEON PD	AEON PD-FG	AEON PD-XD	
Viscosity	at 40°C cSt	214	217	365.7
	at 100°C cSt	22.2	24	39.32
	at 100°F SUS	1115	1130	1911.5
	at 210°F SUS	110.7	120	190.4
Pour Point °F/°C	-38/-39	-46/-43	-44/-42	
Flash Point °F/°C	450/232	535/279	515/268	

## Order Information

NOW AVAILABLE in convenient gallon size containers

Convenient Package Sizes	AEON PD Part No.	AEON PD-FG Part No.	AEON PD-XD Part No.
1 quart	28G23	28H97	28G46
Case 12 quarts	28G24	28H98	28G47
1 gallon	28G40	28H333	28G42
Case 6 gallons	28G41	28H334	28G43
5 gallon pail	28G25	28H99	28G44
55 gallon drum	28G28	28H100	28G45

Reference blower operating manual for specific lubrication requirements.

*Protect your investment:*  
Insist on genuine Gardner Denver AEON® PD Lubricants

### Cost Savings of AEON PD vs. MINERAL OIL

- Sutorbilt 1024-8000 blower with an oil capacity of 13 quarts
- Based on an operating time of 6000 hours for one blower

#### OVER \$195 SAVINGS PER BLOWER

*Savings may vary based on your specific conditions.*


	AEON PD	MINERAL OIL
Cost of initial fill (13 quarts)	\$148.79	\$52.40
Lube change interval	6000 hours	1500 hours
Cost of replacement lubricant	\$0	\$157.20
Labor (\$45/change)	\$0	\$135.00
<b>TOTAL COST</b>	<b>\$148.79</b>	<b>\$344.60</b>

# Gardner Denver®

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