

PowerEx Vacuum Maintenance Requirements

JHFoster will perform this regular maintenance on your compressed air equipment for you to help you stay focused on your business and not on your equipment.

Medical vacuum and laboratory vacuum maintenance:

ROTARY CLAW PUMPS

Intake filter

Inspect 500 hour or quarterly
Replace 2500 hour or yearly

Pump fins, cooler, and blower

Inspect quarterly
Clean every 6 months or if dirty

Gear case oil

Replace yearly

Grease pump bearings

Replace every 5000 hours or yearly

Oil vent cap

Replace yearly

Oil level and check for leaks

Customer to check daily/weekly
Technician to check quarterly

Motor

Grease yearly

LUBRICATED ROTARY VANE PUMPS

Intake filter and inlet screen

Inspect 500 hour or quarterly
Replace 2500 hour or yearly

Pump fins, cooler, and blower

Inspect quarterly
Clean every 6 months or if dirty

Oil

Replace 500 hours or yearly

Oil filter

Replace 500 hours or yearly

Exhaust filters

Inspect differential quarterly
Replace 2500 hours or yearly

Oil level and check for leaks

Customer to check daily/weekly
Technician to check quarterly

Motor

Grease yearly



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DRY ROTARY VANE PUMPS

Intake filter and inlet screen

Inspect 500 hour or quarterly
Replace 2500 hour or yearly

Pump fins, cooler, and blower

Inspect quarterly
Clean every 6 months or if dirty

Discharge filter

Inspect 2000 hours or yearly
Replace if necessary

Grease

Apply grease to bearing in end shield every
2000 hours or yearly

Second cooling filter (larger pumps only)

Inspect 2000 hours or yearly
Replace if necessary

Pump vanes

Inspect 8000 hours or yearly
Replace if less than manual size
recommendation

Motor

Grease yearly

VACUUM SYSTEM CONTROLS (Same for all three pump types)

Inlet check valves

Inspect quarterly

Tank sight glass

Customer to check daily/weekly
Drain tank if visible liquid is present

Vacuum switch/transducer operation

Inspect quarterly
Test yearly

Vacuum gauge

Inspect quarterly

Test purge control and valves (Laboratory vacuum only)

Inspect quarterly

Purge inlet filter (Laboratory vacuum only)

Inspect quarterly
Replace 2500 hours or yearly

QUESTIONS ON SERVICING YOUR COMPRESSED AIR SYSTEM?

Our team of experts are ready to assist you and answer any of your questions and discuss possibilities to utilize our service agreement or parts program to help you stay focused on productivity and efficiency in your work environment. It is important to use NFPA99 equipment and find specialists who are able to correctly service these systems. JHFoster's service team is ASSE 6040 medical air certified. Contact us at **651.452.8452**, solutions@jhfooster.com or visit us today at jhfooster.com.

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