

Maintenance for Becker Blower

(VTLF 2.250 Oil-less Rotary Vane Vacuum Pump)

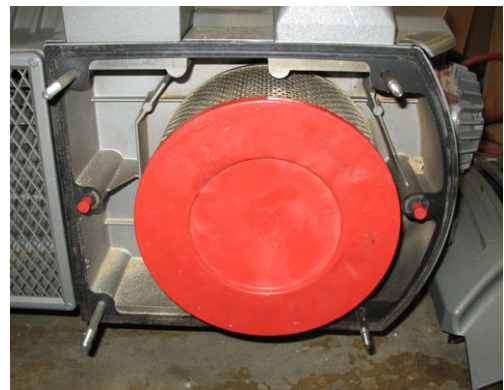
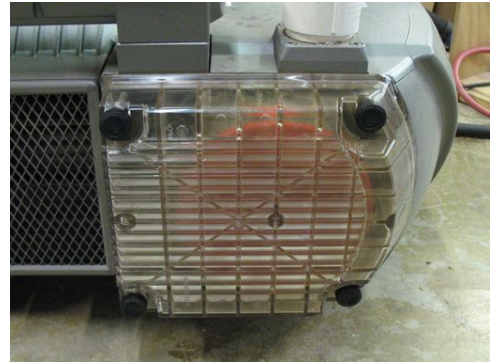


For Support, Call Becker USA Division (Ohio): 330-928-9966

Every 40-200 Operating hours:

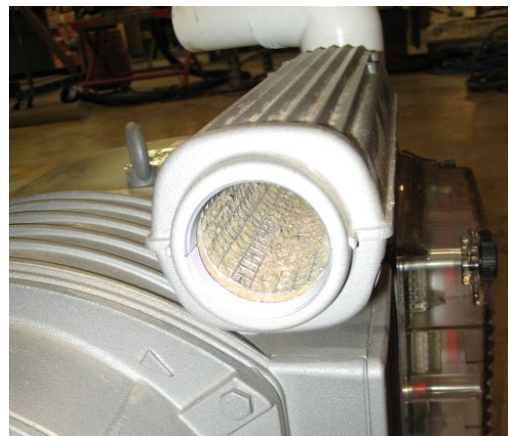
❖ Clean Filter Cartridge and Housing

- Unscrew black handles to remove plastic cover.
- Remove filter cartridge and clean it thoroughly with an air gun
- Check if Cartridge needs replacement
 - Hold cartridge up to standard 100 watt light bulb, look from the **inside** of the cartridge and see if light comes through the filter from the **outside**. *If light is not visible, cartridge needs replacement.*
- Vacuum/clean inside the filter housing.



❖ Check Silencer Pipes:

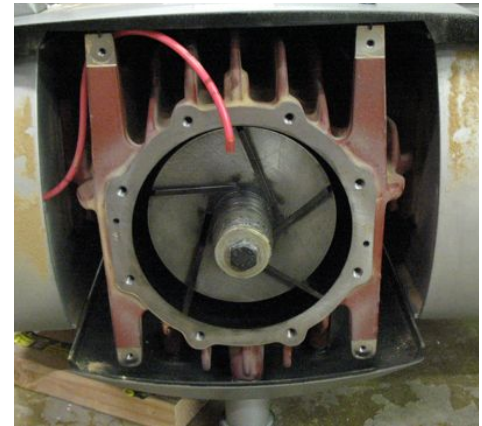
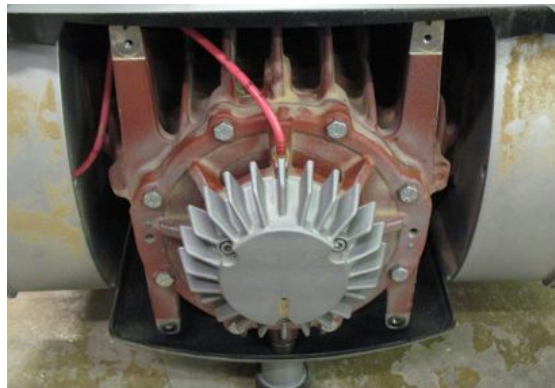
- Shine a flashlight in each to check for obstructions, clear out excessive debris.



Every 3000 Operating hours (or troubleshooting):

❖ Check Rotary Vanes

- Remove Cover hood with 5mm Allen wrench
- Remove end-cap (attached with 13mm \approx 1/2inch bolts)
 - Undo grease line at top of cap
 - **DO NOT remove bearing cover (attached to end cap with Allen-key bolts – gray and has ‘fins’).**
 - If cap does not easily pull off, screw two or the 13mm bolts into the slots on the left and right side of the end-cap. This will push the cap away from the pump housing.



- **Carefully** slide out a carbon vane (they are brittle)
 - Measure its width. If less than or close to 42 mm (varies depending on model – see sticker on top of pump) replace vanes
- Check outer edges of each vane. Should be smooth and free of nicks.
- Check for debris or oil in shaft. If oil is present, vanes will not function.



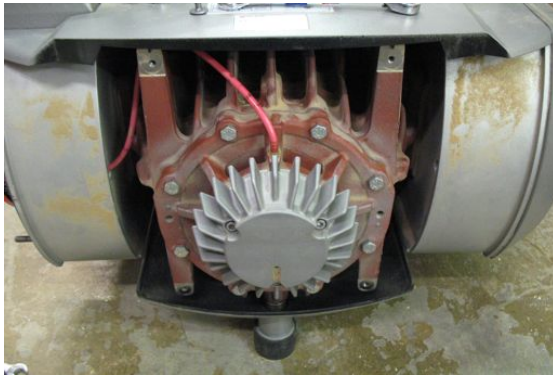
❖ Clean Bearings

- Wipe grease off rotor shaft
- Wipe grease out of the socket/bearings in the end cap. Be sure that there is no grease on the flat surface of the end cap.
- Replace end cap, and grease line. Tighten bolts.



❖ Clean End Housing

- With End-Cap attached but plastic cover still off, clean in and around end of pump with an air gun.



❖ Re-Grease

- Only re-grease when the **motor is running**, with no resistance (vacuum not hooked up to anything)
- Two grease nipples are located on either side of the filter cartridge.
- Use **Amblygon TA 15/2** grease, **10g** per nipple.

