Gardner Denver Thomas, Inc.
5621 W. Howard Street
Niles, IL 60714
T 1 847 676 8800
www.welchvacuum.com

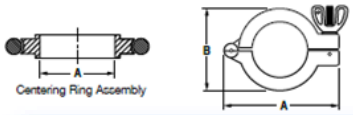
WELCH
by Gardner Denver

QUICK START GUIDE

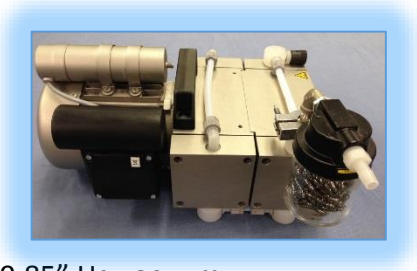
OPERATION/MAINTENANCE NOTES

CASCADE BOTANICAL CB2052 VACUUM PURGING PUMP

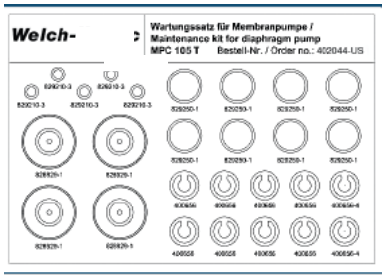
QUICK START GUIDE



1. Unpack and inspect CB2052 pump
2. Place Centering Ring Assembly onto intake flange.
3. Position flange of Foreline Trap on top of Centering Ring Assembly
4. Clamp together with Hinged Clamp



5. Connect vacuum oven hose to inlet port of foreline trap and to vacuum port on vacuum oven. Using hose clamps recommended
6. Connect vacuum hose to exhaust port so you are channeling exhaust vapors to a safe ventilation source
7. Install power cord and plug in CB2052
8. Turn on CB2052 & open vacuum valve. Vacuum Oven should reach 29.85" Hg vacuum at sea level. (Readings at elevations above 500 ft will be lower even though vacuum pump is performing fully. Contact Welch Vacuum for more details.)

OPERATION/MAINTENANCE NOTES

- CB2052 is a chemical duty, dry membrane vacuum pump, impervious to moisture, butane and ethanol vapors, and other organic solvent vapors.
- Terpenes and other vapors won't harm CB2052 internal components, but can build up a heavy "gunk" residue if not trapped and air-purged.
- **Air-Purging:** at the end of your run, vent the vacuum oven and let CB2052 run on open air for 5 minutes (or longer is OK). This helps slow or stop gunk build-up.
- **Gunk buildup:** The provided foreline trap is usually sufficient for many users. Heavier usage may require keeping this foreline trap chilled with an ice bucket. Very heavy usage may require the use of a Dry Ice Trap or Refrigerated Cold Trap to lessen ingestion of gunk-building vapors. Contact Cascade Botanical for more details.
- **Poor Performance Flags:** Vacuum achieved in oven worsens, drying times get longer, pump sound gets noisier—all flags that gunk has built up.
- **Cleaning out gunk** can be done onsite, quickly: contact Welch Vacuum or Cascade Botanical for a step-by-step guide on disassembly of pump heads on CB2052, or refer to your Owner's Manual. Cleanout can often restore full performance.
- Membranes and valves and Orings in CB2052 wear out over time and can be easily replaced, onsite, quickly. Contact Welch Vacuum and Cascade Botanical about **Rebuild Kits** and Repair Tool Kit, or refer to your Owner's Manual.