

5.0 Maintenance

5.1 Maintenance Schedule

WARNING:

BEFORE STARTING ANY MAINTENANCE PROCEDURES, DISCONNECT ALL POWER TO THE PACKAGE.

Release all pressure from the package before removing, loosening, or servicing any covers, guards, fittings, connections, or other devices.

Never perform any maintenance functions while the unit is in operation.

Maintenance Schedule

Item	Frequency	Action
Check condensate in tank	Daily	Open manual drain valve, check auto drain
Check operation of safety valve	Weekly	Manually release pressure
Check inlet air filter(s)	Weekly	Inspect and clean or replace
Check nuts, bolts, fittings, etc.	Monthly	Inspect and tighten
Check belt tension	Monthly	Inspect and tighten or replace
Check flow through orifice of dew point sensor	Monthly	Check for flow blockage
Calibrate CO transmitter	Every 6 months*	Purchase <i>Service Kit</i> See Appendix B
Check dew point sensor accuracy	Yearly	Verify dew point sensor accuracy (contact BeaconMedæS)
Replace compressor inlet filters, v-belts, and dryer pre-filters & afterfilters	Yearly	Purchase <i>1-Year System Basic Service Kit</i> Purchase <i>1-Year Unit Basic Service Kit (1 per unit)</i>
Lubricate motor	Yearly	See Section 6.3
Zero-loss Drain Valve	Yearly	Rebuild the zero-loss drain valve. Kit is included in the System Basic Service Kit (see Section 5.2.9)
Replace DP and CO transmitters	Every 2 years	Purchase <i>2-Year System Sensor Kits</i> See Appendix B and C
Replace dryer desiccant	Every 3 years	Purchase <i>3-Year Dryer Extended Service Kit</i> See Appendix A
Grease orbiting bearings** and clean compressor	Varies depending on Hp and ambient temperature conditions	Contact BeaconMedæS Technical Support department.
Replace compressor tip seals and grease pin crank bearings**		

* Recalibration of the CO transmitter is required prior to 6 months if any of the following conditions exist:

- Last Calibration date cannot be verified or is unknown
- Sensor Overexposed to target or interfering gases
- Instrument has been subjected to misuse or abuse
- Sensor have been newly replaced or instrument has received any type of servicing
- Whenever sensor response is in question

** An authorized BeaconMedæS Service Technician should perform compressor lubrication and tip seals replacement. Please contact BeaconMedæS Customer Service department at 1-800-463-3427 prior to the maintenance interval.