



OXYGEN SERVICE VACUUM PUMPS

[Harrick Plasma](#) → [Vacuum Pumps](#) → **Oxygen Service Vacuum Pumps**

Our Plasma Cleaners require a vacuum pump with a minimum pump speed of 1.4 m³/hr (23 L/min) and an ultimate total pressure of 200 mTorr (0.27 mbar) or less.

Suitable for pumping concentrated oxygen gas as well as nonreactive or inert gases (e.g. Air, N₂, Ar).

Does not use hydrocarbon oil (the combination of concentrated oxygen and hydrocarbon oil is an explosion hazard).

ECONOMY DRY OXYGEN PUMP

PDC-OPE (115V) | PDC-OPE-2 (230V)

Uses no oil or fluid

Pumping speed (50/60 Hz): 3.0/3.6 m³/hr

Ultimate total pressure: 250 mTorr (pump manufacturer specification; in our lab tests, ultimate pressures of <100 mTorr were attained)

Motor power (50/60 Hz): 120 W

Weight: 21 lbs

Dimensions: 7" H x 14" W x 5.5" D

Pump inlet: includes hose, hose clamps, hose adaptor, centering ring and swing clamp to connect plasma cleaner to pump inlet

PDC-OPE-OLT

Optional pump outlet connection to conduct pump exhaust to a vent hood

Includes 9 ft. length exhaust hose (other lengths may be specified)