

BA-VPM VACUUM PUMPING MODULE

Baron USA's vacuum pump packages are perfect for the degasification, dehydration and filling of transformers, vacuum chambers and many electrical devices with dielectric liquid under vacuum. Combination pump/booster systems are available in many pumping speeds with several types of backing pumps available.

SYSTEM PERFORMANCE:

The **pumping speed** of the vacuum package determines the time required to evacuate to the desired level. The vacuum package includes the vacuum pump and booster.

VACUUM PUMP:

The vacuum pump runs alone during initial pump-down of your device – usually until the pressure in the device reaches 50 – 20 Torr (67 – 27 mbar). Therefore, the pumping speed capability of the vacuum/backing pump has significant impact on the amount of time required for evacuation.

A wide variety of pumping speeds and pump combinations are available for every application. Most pump systems are available as air-cooled, though some larger systems are water-cooled. Backing pump types available include oil sealed, rotary vane or rotary piston. Dry screw pumps are the preferred technology due to their oil-free operation and relatively low maintenance. Let Baron assist in choosing the perfect one for you.

VACUUM BOOSTER:

Once the vacuum pump has achieved a low enough pressure, the vacuum booster/roots blower is allowed to start. This accelerates the pumping speed the rest of the way down to the desired endpoint. Therefore, the booster pumping speed impacts the total amount of time required to reach the desired endpoint. Internally bypassed and VFD controlled boosters are available in many sizes to minimize pump down time.

PORTABILITY:

Stationary skid-mounted systems are available for vacuum chamber and transformer tank evacuation in manufacturing settings. Systems are also available with wheels for manufacturing floor portability and trailers for field evacuation during installation or drying.

