DEKKER VmaxVFD medical vacuum systems offer hospitals and surgery centers the most reliable and energy-efficient systems available today. DEKKER’s advanced design combines the proven benefits of our Vmax oil-sealed liquid ring vacuum pumps with variable frequency drive (VFD) motor speed control.

The VmaxVFD medical vacuum systems are micro-processor controlled and offer substantial energy savings by automatically adjusting pump speed to match varying vacuum demand. This eliminates frequent stop-starts and results in more stable vacuum levels.

**DESIGN FEATURES**

- DEKKER Liquid Ring Vacuum Pumps have only one moving part—resulting in cooler and quieter operation, high reliability, increased up-time, and lower maintenance costs

- VFD motor control lowers energy costs by adjusting speed to match varying vacuum demand

- VFD “soft start” ramps motor speed gradually to extend system life and lower maintenance needs

- New approach to energy-efficient vacuum systems allows simple cost-effective expansion for customers who anticipate future building plans or increased demand

- Proprietary intelligent logic control monitors pumps and adjusts sequencing as availability or demand changes

- System consists of two, three, or four simplex liquid ring vacuum systems

- Each pump has individual variable-frequency drive (VFD)-equipped control panels

- Main control panel is separate and includes logic controller (PLC) and proprietary process controller (PID)

- Alternation program based on actual run time hours assures balanced usage on pumps

- Simple keypad control of vacuum set point and pump on/off thresholds

- Long life LED panel lamps for higher reliability and reduced bulb replacement

- Meets or exceeds NFPA 99 standard for health care facilities

Shown here as a triplex system, the VmaxVFD system is expandable from 2 to 4 pumps adjusting to increased demand or expansion. The VmaxVFD system is flexible, allowing individual pumps to be in various locations throughout the plant.