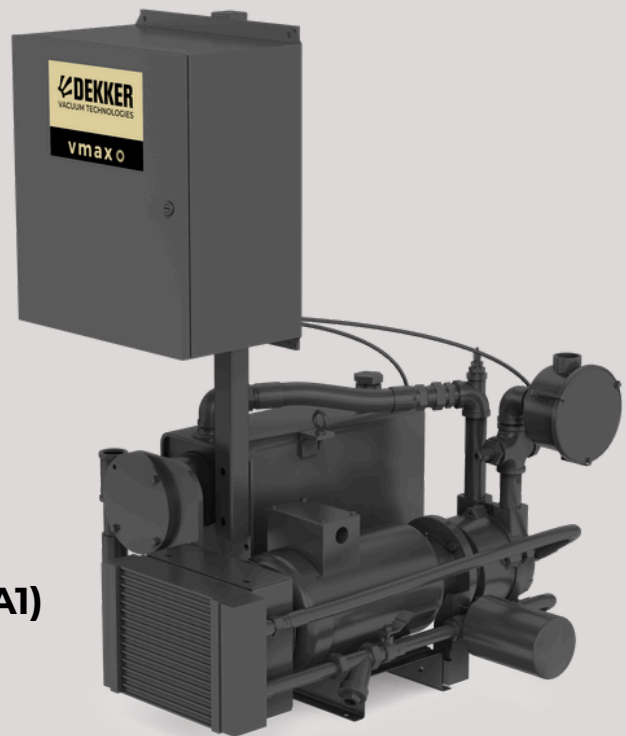


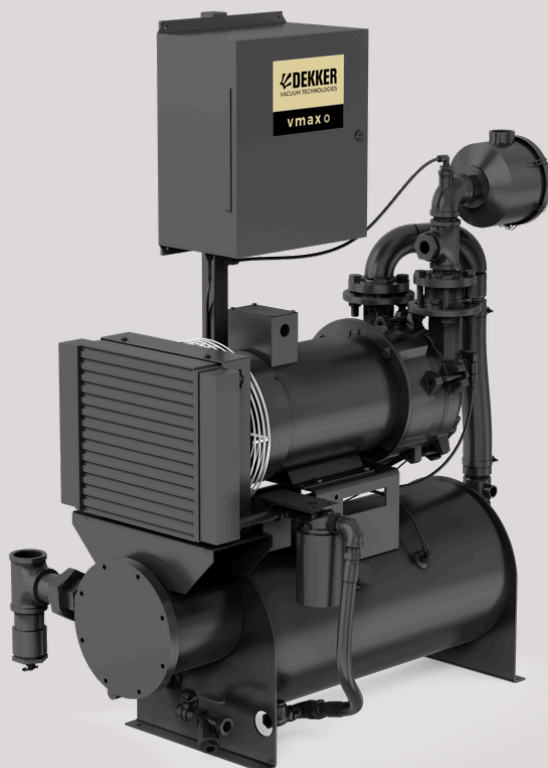
VMX OIL-SEALED LIQUID RING VACUUM SYSTEMS

Overview

The VMX 0036, 0083, 0103 and 0153M are a range of compact direct driven liquid ring vacuum systems; single stage, oil sealed and air cooled. They come standard with a high efficiency DX-5 oil separator, spin-on oil filter, exhaust drip leg to reduce oil carryover, and 5-micron inlet particulate filter standard.



(VMX0036MA1)



(VMX0083-0153MA1)

Key Features

1. Air intake filter

Heavy duty, air inlet filter with washable polyester element. Premium filtration efficiency: 99.95% for particles above 5 micron; designed specifically for vacuum applications due to its optimized pressure drop.

2. Vacuum Relief valve

A vacuum relief valve is fitted as standard to protect the pump from reaching too deep of a vacuum that could result in hydraulic knocking, potentially damaging the pump over time.

3. Spin-on oil filter

A spin-on oil filter is fitted as standard to prevent foreign particulate entering the pump from causing blockages or restrictions in the heat exchanger that could result in overheating issues

4. Exhaust drip leg

The exhaust drip leg is piped to the discharge of the system and helps in eliminating oil carryover. This line scavenges oil carryover exiting the separators back to the pump.

5. Electric motor

Double-shafted motors have been selected to rotate the cooling fan and provide maximum flexibility for the systems. The motors for the VMX 0036/0083/0103/0153M are available in 3 phase (e.g. 230V/460V, 60Hz) and are CUL/UL approved.

7. Oil mist separator (air/oil separator vessel)

Patented, high-efficiency DX-5 separator minimizes oil-carryover concerns in compact design.

8. Oil selection

Systems are shipped with Dekker's specially formulated Vmaxol seal fluid. These fluids are specifically designed for use in DEKKER Vmax systems, providing low viscosity, excellent water separating qualities, anti-foaming and low oxidation. DEKKER recommends that Vmaxol sealing fluids be used for obtaining ultimate performance from the Vmax vacuum pump system and to preserve the extended 3-year warranty period. When using Standard Vmaxol it is recommended that the seal fluid be changed every 10,000 hours of operation. When using Synthetic/Food grade Long-life Vmaxol, seal fluid may be changed every 15,000 hours of operation. Extreme operating conditions may require more frequent changes.

9. Fixing and vibration

The VMX compact range of vacuum systems has low levels of vibration. However, we offer anti-vibration isolation pads as an option for all VMX vacuum systems.

Technical Specifications

	VMX0036	VMX0083	VMX0103	VMX0153
Nominal Pumping Speed (ACFM/m ³ /hr)	35/59	75/127	100/170	150/255
Vacuum level ("Hg(V)/mbar(A))	29.0/31	29.0/31	29.0/31	29.0/31
Motor Power (HP/KW)	3/2.2	5.5/4.1	7.5/5.6	10/7.5
Ambient Temperature (°F/°C)	32 to 104°F/0 to 40°C	32 to 104°F/0 to 40°C	32 to 104°F/0 to 40°C	32 to 104°F/0 to 40°C
Inlet connection MNPT (in)	1"	1-1/2"	1-1/2"	2"
Weight (lb/kg)	243/110	460/209	483/219	593/269
Dimensions L*W*H (in/mm)	32" * 28" * 40"/813 * 711 * 1016	39" * 32" * 55"/991 * 813 * 1397	43" * 32" * 56"/1092 * 813 * 1423	48" * 32" * 56"/1219 * 813 * 1423

Pumping Speed vs Pressure

