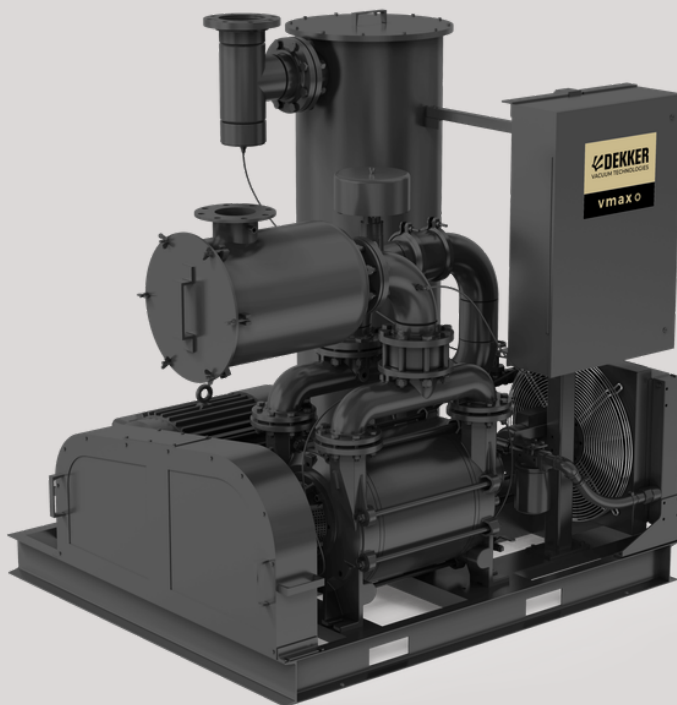


VMX OIL-SEALED LIQUID RING VACUUM SYSTEMS

Overview

The VMX 0203 – 1203K are a range of heavy-duty oil-sealed liquid ring vacuum systems, single stage 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.

(VMX023-553KA1)



(VMX0753-1203KA1)

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 VMX 0203-553 systems. Single-shafted V-belt driven motors are used for the larger VMX 0753-1203 systems. All motors for the VMX 0203-1203 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

	VMX0203	VMX0303	VMX0453	VMX0553
Nominal Pumping Speed (ACFM/m ³ /hr)	200/340	300/510	410/697	550/935
Vacuum level ("Hg(V)/mbar(A))	29.0/31	29.0/31	29.0/31	29.0/31
Motor Power (HP/KW)	15/11	20/15	25/18.5	40/30
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)	2"	2-1/2"	3"	4"
Weight (lb/kg)	1226/556	1307/593	1928/875	2090/948
Dimensions L*W*H (in/mm)	70" * 27" * 64"/ 1778 * 686 * 1626	77" * 27" * 64"/ 1956 * 686 * 1626	76" * 27" * 76"/ 1931 * 686 * 1931	80" * 29" * 76"/ 2032 * 737 * 1931

	VMX0753	VMX1003	VMX1203
Nominal Pumping Speed (ACFM/m ³ /hr)	750/1275	1000/1699	1200/2039
Vacuum level ("Hg(V)/mbar(A))	29.0/31	29.0/31	29.0/31
Motor Power (HP/KW)	50/37.3	60/45	100/75
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
Inlet connection MNPT (in)	5"	5"	5"
Weight (lb/kg)	3547/1609	4230/1919	4827/2190
Dimensions L*W*H (in/mm)	89" * 69" * 80"/ 2261 * 1753 * 2032	89" * 69" * 80"/ 2261 * 1753 * 2032	89" * 69" * 80"/ 2261 * 1753 * 2032

Pumping Speed vs Pressure

