

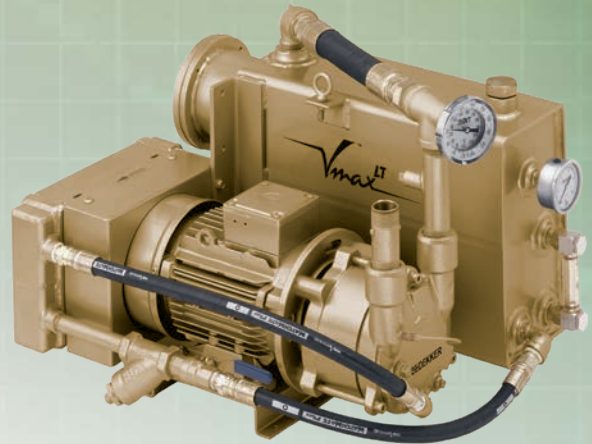
OIL-SEALED LIQUID RING VACUUM PUMP SYSTEMS

Vmax[®]

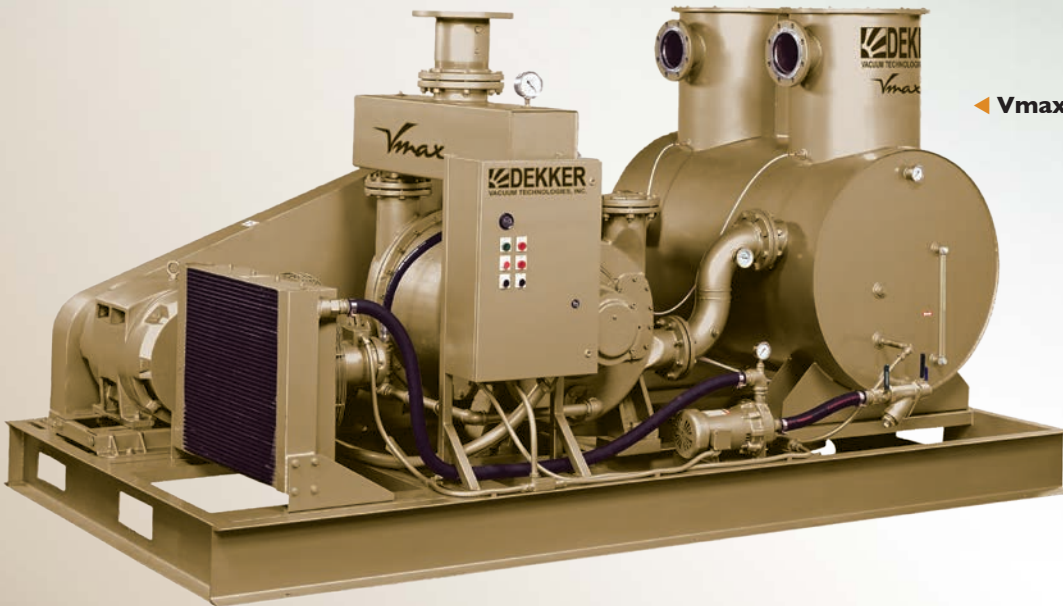
Vmax 550 CFM ▶



▲ Vmax^{LT} 35 CFM



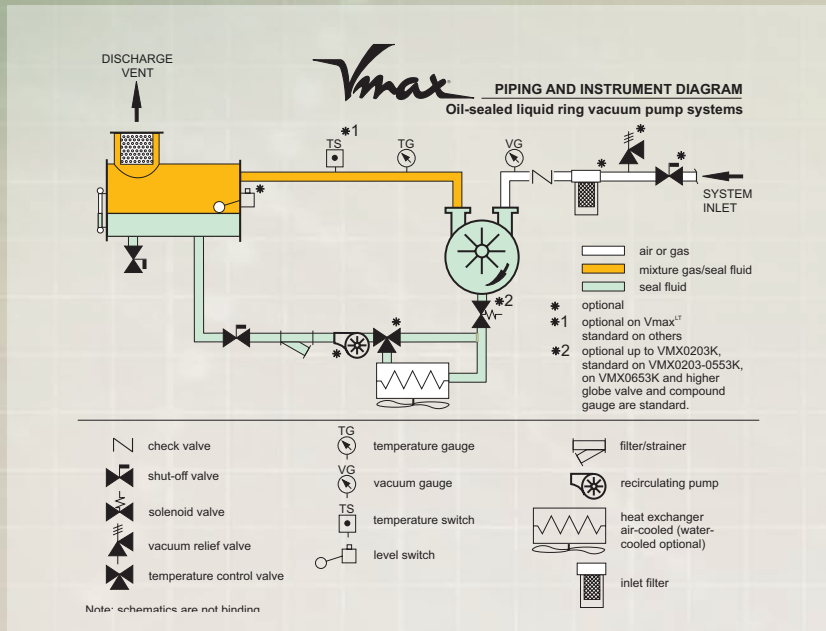
◀ Vmax 2000 CFM



DEKKER
VACUUM TECHNOLOGIES, INC.



From the people who pioneered the first oil-sealed liquid ring vacuum pump system



The *Vmax* and *Vmax^{LT}* systems offered to you today by DEKKER Vacuum Technologies, Inc. are the result of years of research and experience in the design, operation and application of this type of system with hundreds of successful installations in the field. The main advantage of our *Vmax* system is that the use of water – and the corrosion and waste associated with it – has been completely eliminated. DEKKER's patented **DX-5*** and **DX-7*** air/oil separator virtually eliminates oil carry-over concerns and ensures the cleanest environment.

At the heart of the *Vmax* systems is the new **TiTAN** series high-efficiency single-stage liquid ring vacuum pump manufactured to ISO 9001 quality control standards offering excellent reliability in many industrial applications.

By using DEKKER's specially formulated low vapor pressure sealing fluid *Vmaxol*, the system can operate for 10,000 hours or more without an oil change, while preventing corrosion and scale build-up. This results in maximum savings in overall operating and maintenance costs. Another benefit is that the life of the pump increases dramatically. Many systems that have been in operation for more than 15 years still have the original pump installed and are working without a major overhaul.

Larger sizes up to 6000 CFM available, consult factory.

* U.S. Patents: DX-5: 6033462
DX-7: 6350299

Performance characteristics Vmax^{LT}/Vmax/Vmax^{PLUS} oil-sealed liquid ring vacuum pump systems

Vmax Liquid Ring oil-seal vacuum pump	Nominal Capacity (ACFM)	Motor Size				Max Vacuum Level (^o Hg)	Oil Capacity		Pump Speed (RPM)		Noise (at 3 ft) (dBA)	Weight bare-shaft	
		50 Hz		60 Hz			Ltr	Gal	50Hz	60Hz		Kg	Lbs
		kW	HP	kW	HP								
Vmax^{LT} systems													
VMX0036MA1-01	35	1.5	2	2.2	3	29	7.6	1.6	2900	3500	70	177	390
VMX0063MA1-01	60	2.2	3	4	5.5	29	23	4.5	1450	1750	76	246	542
VMX0083MA1-01	75	3	4	4	5.5	29	23	4.75	1450	1750	76	256	564
VMX0103MA1-01	100	4	5.5	5.5	7.5	29	23	6	1450	1750	76	277	610
VMX0153MA1-01	150	5.5	7.5	7.5	10	29	23	6.25	1450	1750	76	293	644
Vmax® Systems													
VMX0036KA1-00	35	1.5	2	2.2	3	29	7.6	1.6	2900	3500	70	136	425
VMX0063KA1-00	60	2.2	3	3.7	5	29	26	4.5	1450	1750	76	280	615
VMX0083KA1-00	75	3	4	3.7	5	29	26	4.75	1450	1750	76	282	620
VMX0103KA1-00	100	4	5.5	5.5	7.5	29	26	6.5	1450	1750	76	300	660
VMX0153KA1-00	150	5.5	7.5	7.5	10	29	26	7.25	1450	1750	76	350	770
VMX0203KA1-00	200	7.5	10	11	15	29	45	10.5	1450	1750	76	539	1186
VMX0303KA1-00	300	11	15	15	20	29	45	11	1450	1750	76	593	1305
VMX0453KA1-00	410	15	20	18.5	25	29	64	16	1450	1750	78	795	1700
VMX0553KA1-00	550	22	30	30	40	29	64	17	1450	1750	78	841	1784
VMX0653KA1-00	650	30	40	30	40	29	114	34	960	960	79	1682	3700
VMX0753KA1-00	750	37	50	37	50	29	114	34	1170	1170	79	1682	3700
VMX1003KA1-00	1000	44	60	44	60	29	132	37	960	960	80	1818	4000
VMX1103KA1-00	1100	55	75	55	75	29	132	37	1100	1100	80	1818	4000
VMX1203KA1-00	1200	75	100	75	100	29	132	39.5	1170	1170	80	1818	4000
Vmax^{PLUS} Systems													
VMXP0160MA1-01	155	5.5	7.5	7.5	10	29	23	6	1470	1770	76	293	644

▶ DEKKER offers a complete range of accessories and carries a comprehensive inventory of pumps and parts. For emergency repairs, DEKKER takes pride in offering same-day shipping of most standard parts. DEKKER maintains an extensive domestic and global network of authorized service centers.

Maximize Your Productivity

Vmax[®]

FEATURES & BENEFITS:

RETURN ON INVESTMENT:

All Vmax systems are available with Variable Frequency Drive (VFD) option: control of power consumption, current inrush, vacuum, cost and ROI.

PRODUCTIVITY:

Built for the toughest applications; operates continuously and can tolerate accidental carry-over of liquids and soft solids.

SAVINGS:

Low maintenance; can operate for 10,000 hours or more without an oil change.

EFFICIENCY:

DEKKER's patented **DX-5** and **DX-7** separators eliminate oil carry-over concerns and ensure the cleanest environment.

NOISE REDUCTION:

The systems are exceptionally quiet, which is desirable in today's workplace.

RELIABILITY:

No internal bearings or metal-to-metal contact assures continuous operation.

CONTROL:

Systems can operate over the full vacuum range without overheating.

PAYBACK:

Use of water is completely eliminated, offering a quick payback when replacing water-sealed liquid ring vacuum pump systems.

WARRANTY:

The Vmax system is the only system on the market offering a **3-year warranty**. All custom-engineered systems offer a **1-year warranty**.

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▶ 155 CFM, 10 HP



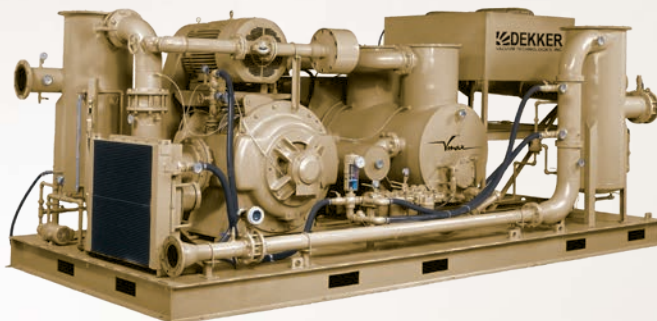
▲ 60 CFM, 5.5 HP



▲ 35 CFM, 3 HP Duplex



◀ 550 CFM, 40 HP



▲ 3000 CFM, 150 HP Custom System

Data is subject to change without notice.

Call DEKKER: The Experts in Vacuum Solutions at 888-925-5444 for application expertise.



Process Savings



Energy Savings



Environmental Sustainability



Optimized Performance



Knowledge Base

TITAN[®]

Single and Two Stage Liquid Ring Vacuum Pumps
6-2,000 CFM

MAXIMA-C[™]

Large Capacity Conical Liquid Ring Vacuum Pumps
1,000 to 22,000 CFM

MAXIMA-K[™]

Large Capacity Liquid Ring Vacuum Pumps
1,500 to 39,000 CFM



Oil Sealed Liquid Ring Vacuum Pump Systems
35-5,400 CFM

DuraVane[®]

Lubricated and Dry Rotary Vane Vacuum Pumps
2-710 CFM

HullVac[®]

Rotary Piston Vacuum Pumps
17-1,280 CFM

ChemSeal[®]

Vacuum Pump Systems
15-10,000 CFM

AquaSeal[®]

Water Sealed Vacuum Pump Systems
15-39,000 CFM

AquaSeal[®] POWERGEN[®]

Vacuum Pump Systems
15-5,000 CFM



Collaborative Engineering from Start-To-Finish

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INCREASE YOUR INDUSTRIAL VACUUM KNOWLEDGE

dekkervacuum.com



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GOLD STANDARD SUPPORT

Your Knowledge-Backed Guarantee. Need help sizing a vacuum pump? Having application problems? With over 100 years of combined experience, we've made it our business to know your needs as well as our systems capabilities. With DEKKER, you get a team of vacuum experts dedicated to helping you resolve system challenges, streamline processes, and optimize results.

Maintenance, service and repair so you keep operating at maximum efficiency.



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