

Lubricated Rotary Vane Vacuum Pumps

 **DEKKER**
VACUUM TECHNOLOGIES



duravane 

DEDICATED. DEPENDABLE. DYNAMIC. DEKKER®.

Dekker®: Designed to Deliver

At Dekker®, we're dedicated to providing **the most reliable vacuum products** with **world class lead times**, backed by service and support you can always depend on. That same desire to exceed expectations is built into every Dekker® Duravane® vacuum pump. Engineered for industrial applications that require rough vacuum solutions, the Duravane line of vacuum pumps offer constant and reliable vacuum, while being both quiet and efficient. This makes the **Dekker® Duravane® series** the **ideal solution** for a **wide range of applications**.



Reliable Design

The **Dekker® Duravane® series** is expertly engineered using tried and true **oil-sealed rotary vane** principles that have been used for years in a multitude of industrial applications. The compact vacuum pump design, proven time and time again, is capable of **continuous operation** over the course of its lifetime. The durable industrial-grade components found in the pumping module can withstand heavy use in the most demanding environments.

Optimizing Features

Boasting a long list of innovative features, the **Dekker® Duravane® series** ensures **optimal performance** at the lowest possible lifecycle cost. To assist in water vapor handling capability, a built-in gas ballast comes standard with the pump. Other features include the lubricant retention and return mechanism which means that these machines are suitable for continuous operation between atmospheric pressure and their ultimate pressure. The integrated bypass valve in the exhaust filters protects the Duravane® against over pressurization.

Clean & Efficient

The **Dekker® Duravane® series** is designed with a smaller footprint and clean operation in mind. The vacuum pumps is upfitted with **highly efficient** integrated mist filters, optimized oil retention system, low noise and vibration level to minimize environmental impact. A **highly efficient** cooling system also enables low operating temperatures and increased oil life, improving overall reliability.

Technical specifications

Model	Nominal Capacity ACFM	Motor Size				Max Vacuum Level (Torr)	Oil Capacity		Pump Speed (RPM)		Noise (at 3ft) (dBA)	Weight Bare-shaft	
		50 Hz		60 Hz			Ltr	Qt	50 Hz	60 Hz		Kg	Lbs
		kW	HP	kW	HP								
Oil Free (Dry Pumps)													
RVD002L	2	0.18	0.25	0.18	0.25	90	-	-	2900	3500	62	5	11
RVD005L	4.2	0.29	0.4	0.29	0.4	90	-	-	2800	2900	62	8,2	18
RVD007L	7	0.44	0.6	0.44	0.6	90	-	-	1450	1750	65	15	34
RVD008L	8	0.44	0.6	0.44	0.6	90	-	-	1400	1700	65	14,5	32
RVD012L	12	0.55	0.75	0.75	1	90	-	-	1450	1750	65	30	65
RVD018L	18	0.75	1	0.92	1.25	90	-	-	1450	1750	68	30	65
RVD028L	28	1.5	2	1.85	2.5	90	-	-	1450	1750	72	40	88
RVD040L	42	1.5	2	2.2	3	90	-	-	1450	1750	72	71	156
RVD060L	56	2.2	3	3.7	4	90	-	-	1450	1750	74	74	162
RVD075L	71	3	4	3.7	5	90	-	-	1450	1750	77	93	205
Oil Sealed Rotary Vane Pumps													
RVL008H	7.7	0.55	0.75	0.65	0.88	1.1	0.5	0.53	3000	3600	64	20	44
RVL011H	11.2	0.55	0.75	0.65	0.88	0.8	0.5	0.53	3000	3600	64	20	44
RVL018H	18.3	0.9	1.2	1.1	1.5	0.8	0.5	0.53	3000	3600	67	26	57.2
	18.3	0.9	1.2	1.1	1.5	0.8	0.5	0.53	3000	3600	67	26	57.2
RVL030H	31.2	1.3	1.75	1.3	1.75	0.4	1	1.05	1500	1800	60	45	99.3
RVL040H	41.8	1.8	2.4	1.8	2.4	0.4	2	2.1	1500	1800	64	52.2	115
RVL070H	87.5	3	4	3.6	4.8	0.4	2.0-3.0	2.1-3.1	1500	1800	64	84	185.2
RVL130H	130	4.5	6	5.5	7.5	0.08	5.0-9.0	5.2-9.5	1500	1800	73	190	419
RVL140H	140	4.5	6	4.8	6.4	0.08	7.5	8.9	1500	1800	73	180	396
RVL200H	200	5.5	7.5	6.6	8.8	0.08	8.5-11.5	8.9-12.1	1500	1800	76	225	496
RVL365H	229.2	6	8	7.2	9.7	0.08	8.5-11.5	8.9-12.1	1500	1800	73	225	496
RVL500H	449	18.5	25	18.5	25	0.08	20-23	21-24	1500	1800	75	761	1678
Oil Sealed High Vacuum Pumps													
RVR003M	3	0.37	0.5	0.37	0.5	0.075	0.28	0.3	1400	1700	54	10.8	24
RVR003H	3	0.37	0.5	0.37	0.5	0.075	0.23	0.25	1400	1750	54	12.2	27
RVR006M	6	0.37	0.5	0.37	0.5	0.075	0.37	0.4	1400	1700	54	12.7	28
RVR006H	6	0.37	0.5	0.37	0.5	0.075	0.33	0.35	1400	1700	54	13.6	30
RVH006H	6	0.75	1.25	0.94	1.25	0.0038	0.94	1	1400	1700	54	24	53
RVH012H	12	0.75	1.2	0.94	1.25	0.0038	0.8	0.85	1400	1700	54	26	58

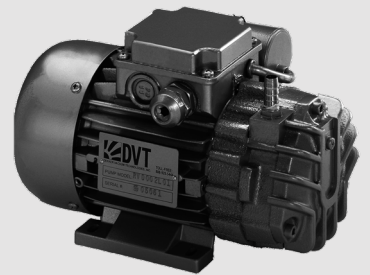
Tough on the Job

The rugged and reliable design of the Dekker® Duravane® series makes it the ideal choice for many demanding and harsh applications. Industrial processes like those in woodworking, plastics, electronics, paper printing, packaging, and material handling, all require a vacuum pump that can perform under pressure. The kind of performance under pressure the Duravane® can deliver.



RVL400HS
449 CFM,
25 HP

RVD002L
2 CFM,
.25 HP

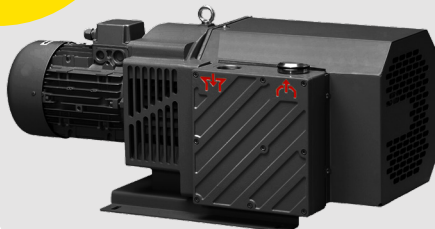


RVL185HS
200 CFM,
8.8 HP



RVL80HS
87.5 CFM,
4.8 HP

RVD075L
71 CFM,
5 HP





**Process
Savings**



**Energy
Savings**



**Environmental
Sustainability**



**Optimized
Performance**



**Knowledge
Base**

Features

Highly Reliable:

The pump is designed using proven technology and built with industrial grade components.

Low Noise:

The low noise and vibration make the Duravane® ideal for applications where workers are present.

Clean Operation:

The Duravane® vacuum pumps is optimized to minimize oil vapors in the exhaust gas.

Cool Operation:

Efficient cooling system enables low operating temperatures and increased oil life.

Easy Installation:

Due to it's compact, space saving design, the Dekker® Duravane® is easy to install and take sup minimal space.

Minimal Maintenance:

Low maintenance and wear due to optimally selected shaft speeds.





Ideal Applications

Where reliable and efficient vacuum solutions are required, Dekker® Duravane® is built to deliver. The Oil-Sealed rotary vane's robust and efficient design excels in the most demanding applications:

Woodworking

CNC cutting and routing, loading and unloading systems.

Food Processing

General packaging, cheese processing, vacuum cooling of produce.

Meat Packaging

Fresh and cooked meats, poultry, tumbling, filling and sealing.

Plastics & Rubber

Thermoforming applications, extruder barrel degassing, mold degassing, material handling.

Electronics

Pick and place components, PCB manufacture, central vacuum systems.

Paper & Printing

Presses (sheet fed, offset, etc.), bindery equipment including stitching lines and perfect binding, newspaper production, envelope machines.

Material Handling

Vacuum lifting, pick and place, bulk material transfer, pneumatic conveying, bottling, canning, vacuum sewage.

Medical Vacuum

Various evacuation duties. Modified Atmosphere Packaging: methods of protective oxygen removal.

RVL30HS
31.2 CFM,
1.75 HP





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Service & Support

At Dekker® Vacuum Technologies, we are committed to optimizing your industrial processes and minimizing downtime. This means providing unrivaled customer service and support through the entire process, from helping you choose the ideal pump for your application to providing the maintenance needed to keep your business growing strong. To ensure the longest life cycle of your vacuum pumps, we highly encourage all our customers to follow the manufacturer maintenance recommendations and using genuine OEM Dekker® spare parts and oils.

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