

# LIQUID RING VACUUM PUMPS/COMPRESSORS

## **MAXIMA-K™**



## **MAXIMA-C™**

**DEKKER**  
VACUUM TECHNOLOGIES, INC.

[dekkervacuum.com](http://dekkervacuum.com)

*The Experts in Vacuum Solutions*

888.925.5444

DEKKER ISO 9001  
VACUUM TECHNOLOGIES, INC. 2015  
CERTIFIED

## Single-stage and two-stage high efficiency liquid ring vacuum pumps

Large capacity single-stage liquid ring vacuum pumps are available from 1,500 to 39,000 CFM with vacuum capabilities up to 29" HgV. Large capacity two-stage liquid ring vacuum pumps are available from 600 to 2,800 CFM with vacuum capabilities up to 29" HgV. The Maxima-C™ is a robust design which features conical porting while the Maxima-K™ utilizes flat port plates mounted on each side of the impeller.

### Flat Plate Design "K" Series



Also available in "2K" and "3K" design

	ACFM Min.	ACFM Max.
Maxima-2K series	1890	15000
Maxima-3K series	1050	1300

MAXIMA-K SERIES	ACFM Min.	ACFM Max.
DV2001K-K	1500	2050
DV2501K-K	2000	2600
DV3501K-K	2750	3500
DV4501K-K	3000	4500
DV5001K-K	3500	5000
DV6001K-K	4300	6300
DV7501K-K	4400	7900
DV8001K-K	5500	8000
DV9001K-K	6700	8900
DV9501K-K	7000	9800
DV10001K-K	8000	10000
DV13001K-K	9700	14500
DV13501K-K	7900	13500
DV15001K-K	10250	14450
DV18001K-K	13000	18000
DV21001K-K	14000	22000
DV32001K-K	18000	32000
DV40001K-K	22000	39000

## Advantages of Liquid Ring Vacuum Pump

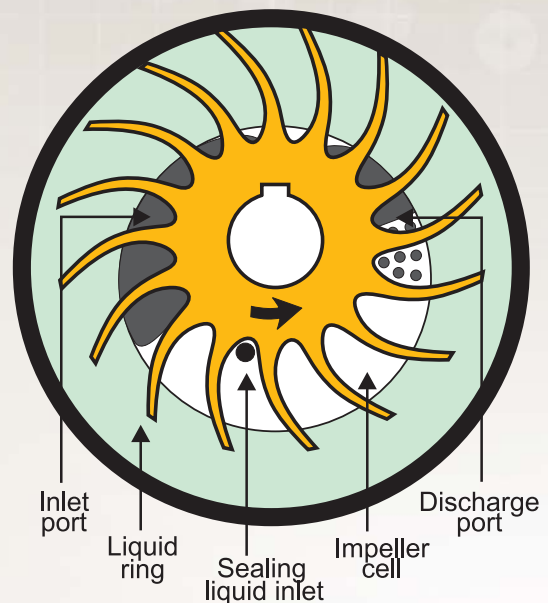
### Benefits include:

- Maximum efficiency
- Reduced seal-liquid consumption
- No metal-to-metal contact
- External bearings
- Low operating noise
- Reliable, heavy-duty design
- Choice of materials dependent on conditions
- DEKKER Gold Standards support

Before every DEKKER pump is shipped, we run and test each vacuum pump at our factory to make sure that it meets capacity and power consumption specifications. Certified test sheets are available upon request.

To learn about how DEKKER's liquid ring vacuum pumps and systems can save you money and improve your application performance, contact us today and ask for a Vacuum Performance Assessment.

### Flat Plate Design



DEKKER liquid ring vacuum pumps are built to high quality standard and have the ability to handle large amounts of condensables. The condensing effect increases to the actual pump capacity dramatically when handling saturated gas mixtures.

## Conical Design“CL” Series

## Conical Design“C4” Series

## Conical Design“CT” Series



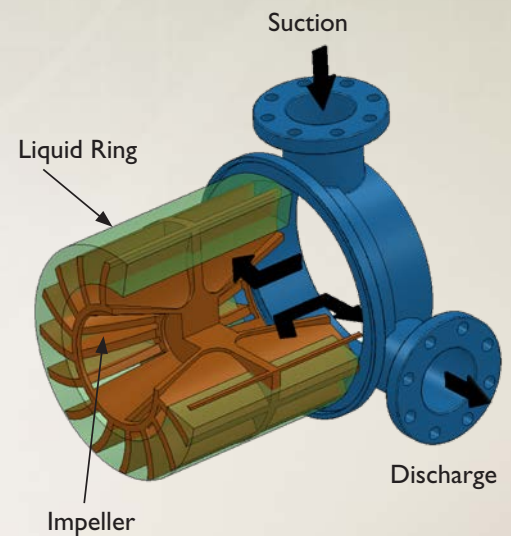
MAXIMA-C CL SERIES	ACFM Min.	ACFM Max.
DV0301C-CL	200	340
DV0401C-CL	330	480
DV0701C-CL	550	820
DV1001C-CL	850	1160
DV1501C-CL	1000	1550
DV2001C-CL	1150	2200
DV3001C-CL	1400	3200
DV4001C-CL	2600	4800
DV6001C-CL	4500	7800
DV9001C-CL	7000	10000

MAXIMA-C C4 SERIES	ACFM Min.	ACFM Max.
DV5001C-C4	2700	5300
DV6001C-C4	3300	6100
DV8001C-C4	4400	8000
DV9001C-C4	5200	9500
DV11001C-C4	6000	11500
DV13001C-C4	6800	12900
DV16001C-C4	8600	15500
DV22001C-C4	15000	22600

MAXIMA-C CT SERIES	ACFM Min.	ACFM Max.
DV0706C-CT	600	700
DV1006C-CT	850	1150
DV2006C-CT	1450	2150
DV3006C-CT	2200	2800

MAXIMA-C PUMP MATERIAL CODE						
	20	21	32	34	35	36
Material Description	All Iron with Ductile Iron Rotor	All Iron with 304SS Rotor	Cast Iron Heads with 304SS Impeller and Cladding	All wetted parts in 316SS	Cast Iron Heads with 316SS wetted parts and Cladding	All wetted parts in 316SS
Cones	ASTM A48 Grey Cast Iron Class 30	ASTM A48 Grey Cast Iron Class 30	Cast 304SS	Cast 304SS	Cast 316SS	Cast 316SS
Head	ASTM A48 Grey Cast Iron Class 30	ASTM A48 Grey Cast Iron Class 30	ASTM A48 Grey Cast Iron Class 30	Cast 304SS	ASTM A48 Grey Cast Iron Class 30	Cast 316SS
Housing	ASTM A48 Grey Cast Iron Class 30	ASTM A48 Grey Cast Iron Class 30	Cast 304SS	Cast 304SS	Cast 316SS	Cast 316SS
Shaft	AISI 1045 Medium Carbon Steel	AISI 1045 Medium Carbon Steel	410SS	410SS	410SS	316SS
Cladding			304SS		316SS	
Bearing Bracket	Ductile Iron 60-40-18	Ductile Iron 60-40-18	Ductile Iron 60-40-18	Ductile Iron 60-40-18	Ductile Iron 60-40-18	Ductile Iron 60-40-18
Packing Glands	316SS	316SS	316SS	316SS	316SS	316SS
Rotor	Ductile Iron 60-40-18	Cast 304SS	Cast 304SS	Cast 304SS	Cast 316SS	Cast 316SS

SS - Stainless Steel







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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### 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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