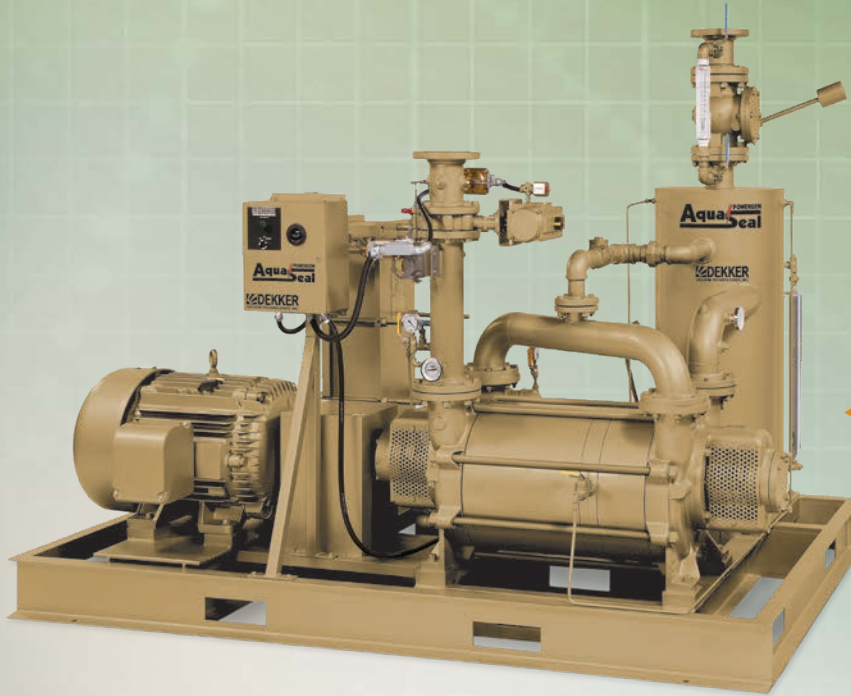


# WATER-SEALED LIQUID RING VACUUM PUMP SYSTEMS

# AquaSeal™



▶ 1000 CFM  
Condenser Exhauster



▲ 80 CFM  
Partial Recovery  
Duplex System



▶ 3950 CFM  
Full Recovery System

 **DEKKER**<sup>™</sup>  
VACUUM TECHNOLOGIES, INC.

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

*The Experts in Vacuum Solutions*

888.925.5444

 **DEKKER** ISO 9001  
VACUUM TECHNOLOGIES, INC. 2015  
CERTIFIED

Performance characteristics water-sealed systems

AquaSeal System Model Number	Nominal capacity (ACFM)	Motor Size (HP)	Max Vacuum Level ("HgV)	Cooling Water Flow Rate (GPM)
<b>Single-stage motor-mounted design</b>				
DVW0023MNI-01	20	1.5	29	0.75
DVW0036MNI-01	35	3	29	1.50
DVW0063MNI-01	60	5.5	29	3.5
DVW0083MNI-01	75	5.5	29	4
DVW0103MNI-01	100	7.5	29	4
DVW0153MNI-01	150	10	29	4.5
<b>Single-stage design</b>				
DVW0023KNI-01	20	1.5	29	0.75
DVW0036KNI-01	35	3	29	1.50
DVW0063KNI-01	60	5	29	3.5
DVW0083KNI-01	75	5	29	4
DVW0103KNI-01	100	7.5	29	4
DVW0153KNI-01	150	10	29	4.5
DVW0203KNI-01	200	15	29	6.0
DVW0303KNI-01	300	20	29	6.0
DVW0453KNI-01	410	25	29	11
DVW0553KNI-01	550	40	29	13
DVW0653KNI-01	650	40	29	25
DVW0753KNI-01	750	50	29	25
DVW1003KNI-01	1000	60	29	25
DVW1103KNI-01	1100	75	29	25
DVW1203KNI-01	1200	100	29	25
<b>Two-stage design</b>				
DVW0016DNI-01	15	2	28.5	1.5
DVW0036DNI-01	32	3	28.5	1.5
DVW0041DNI-01	40	5	29	3.75
DVW0076DNI-01	75	5	29	4
DVW0101DNI-01	100	7.5	29	4
DVW0141DNI-01	140	10	29	4
DVW0201DNI-01	200	15	29	10
DVW0251DNI-01	250	20	29	12
DVW0301DNI-01	300	25	29	16
DVW0401DNI-01	400	40	29	14
DVW0501DNI-01	500	50	29	15

Larger capacity systems, up to 39,000 CFM (1200 HP) are available, please contact factory for more details  
 Special materials, such as stainless steel, Hastelloy, etc are available upon request.  
 Standard seal materials are mechanical seal with Viton elastomer, other seal materials are available upon request.  
 Service liquid is based on average service liquid requirements.

Liquid ring systems are available using a wide variety of solvents and chemicals as the seal fluid.

Ask about our

**ChemSeal™**  
 solvent recovery systems

DEKKER offers a series of standard **AquaSeal™** high-efficiency water-sealed liquid ring vacuum pump systems

as well as custom-engineered units, to provide you with an economical and reliable solution for a wide variety of today's applications.



◀ 150 CFM Full-Recovery System



1200 CFM ▶ Glycol Reclamation System

Ask about our **Maxima-C** conical design two-stage pumps, available from 700-3,000 CFM.

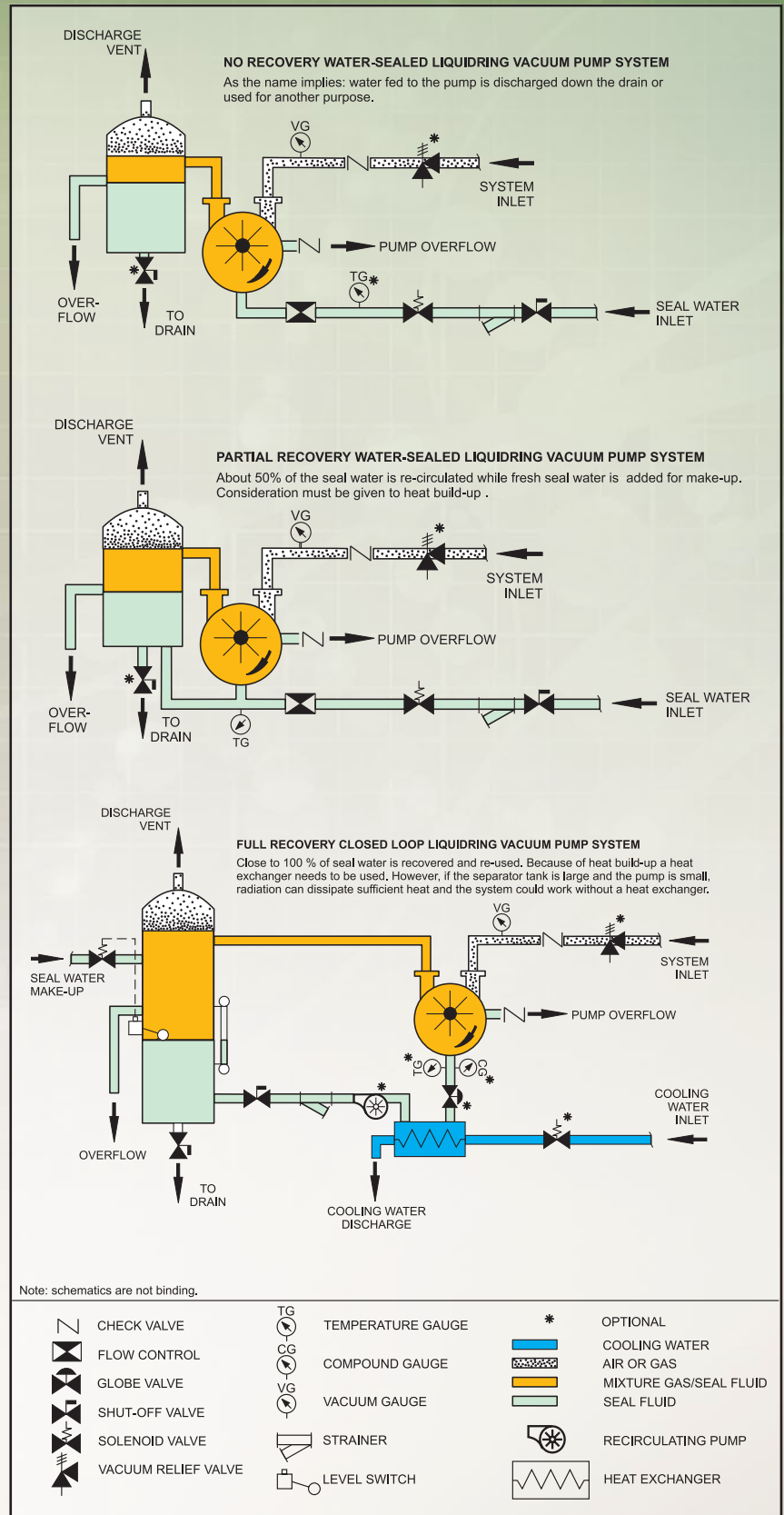
# Optimized Solutions Deliver Performance

For many years, the liquid ring vacuum pump design has been considered the pump of choice for a wide range of industrial applications. The design offers advantages over other types of pumps, because there is no metal-to-metal contact of the rotating parts inside the pump. The bearings are located external to the pumping chamber and will not be affected by contaminated seal-fluid. In addition, the pump is capable of pumping saturated vapors.

If your application requires durability and reliability, the DEKKER AquaSeal system is the system of choice. Three types of system configurations are offered: once-through (no recovery), partial recovery and full recovery. AquaSeal systems can use a wide variety of seal-fluids, depending on the application. If water usage is a concern, an AquaSeal full recovery package or a Vmax oil-sealed liquid ring vacuum pump system may be an option.

AquaSeal systems are available in capacities from 15 - 39,000 CFM and can be offered in a wide variety of materials for tough applications, where corrosive gases are present. Application engineers at DEKKER draw on a wealth of experience to select the best type of system for your application. From a single or multiple pump system, to a combination system (such as blower/liquid ring or hybrid), DEKKER has the expertise to design and engineer the package required for any application.

The greatest benefit that DEKKER has to offer is single-source responsibility for system design and manufacturing. Backed by an extensive network of domestic and global service centers, DEKKER offers the support your company needs. Having application problems? Need help in designing a system or sizing a vacuum pump? Call today to talk to our application experts, who will be happy to assist you.



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 - 22,000 CFM

## MAXIMA-K™

Large Capacity Liquid Ring Vacuum Pumps  
1,500 - 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  
32 - 850 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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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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