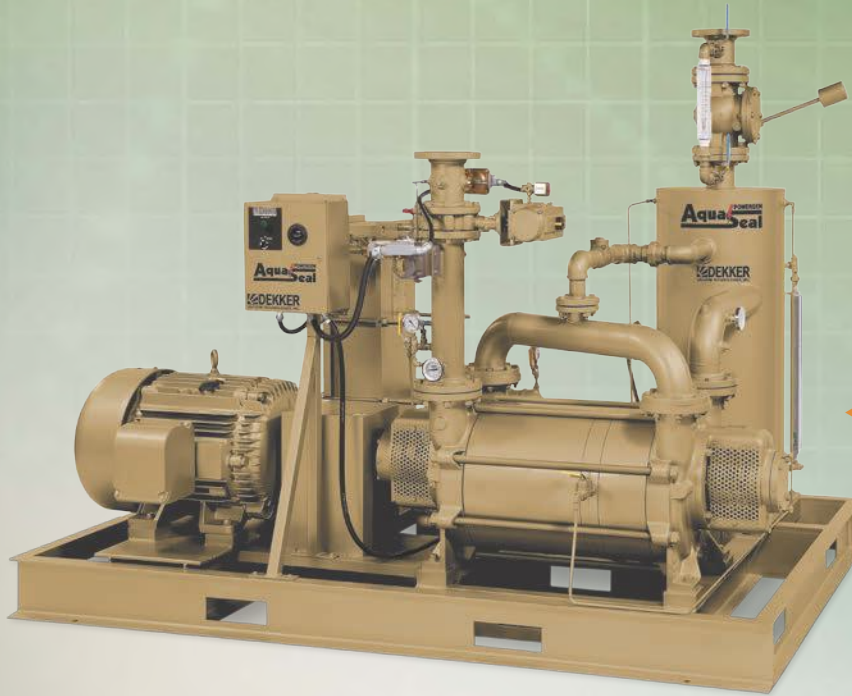


# WATER-SEALED LIQUID RING VACUUM PUMP SYSTEMS

# AquaSeal™



▶ 1000 CFM  
Condenser Exhauster



▶ 3950 CFM  
Full Recovery System



▶ 80 CFM  
Partial Recovery  
Duplex System

 **DEKKER™**  
VACUUM TECHNOLOGIES, INC.

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

*The Experts in Vacuum Solutions*

888.925.5444

ISO9001  
CERTIFIED

## Performance characteristics water-sealed systems

AquaSeal System Model Number	Nominal capacity (CFM)	Maximum vacuum ("Hg)	Service liquid (GPM)	Motor (HP)
<b>Single-stage motor-mounted design</b>				
DVW0023M	20	29	0.75	1.5
DVW0036M	35	29	1.75	3
DVW0063M	60	29	3	5.5
DVW0083M	75	29	3	5.5
DVW0103M	100	29	3	7.5
DVW0153M	150	29	4.5	10
<b>Single-stage design</b>				
DVW0023K	20	29	0.75	1.5
DVW0036K	35	29	1.75	3
DVW0063K	60	29	3	5
DVW0083K	75	29	3	5
DVW0103K	100	29	3	7.5
DVW0153K	150	29	4.5	10
DVW0203K	200	29	5.5	15
DVW0303K	285	29	5.5	20
DVW0453K	450	29	10	25
DVW0553K	550	29	12	40
DVW0653K	650	29	20	40
DVW0753K	750	29	20	50
DVW1003K	1000	29	25	60
DVW1103K	1100	29	25	75
DVW1203K	1200	29	25	100
<b>Two-stage design</b>				
DVW0016D	15	28.5	1.5	2
DVW0036D	32	28.5	1.5	3
DVW0041D	40	29	2.5	5
DVW0076D	75	29	3	5
DVW0101D	100	29	3	7.5
DVW0141D	140	29	4	10
DVW0201D	200	29	9	15
DVW0251D	250	29	11	20
DVW0301D	300	29	14	25
DVW0401D	400	29	10	40
DVW0501D	500	29	12	50
DVW0751D	800	29	30	50
DVW0951D	1000	29	33	60
DVW1201D	1200	29	50	100
DVW1601D	1600	29	60	125
DVW2001D	2000	29	70	125

Larger capacity systems, up to 39,000 CFM (2000 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.



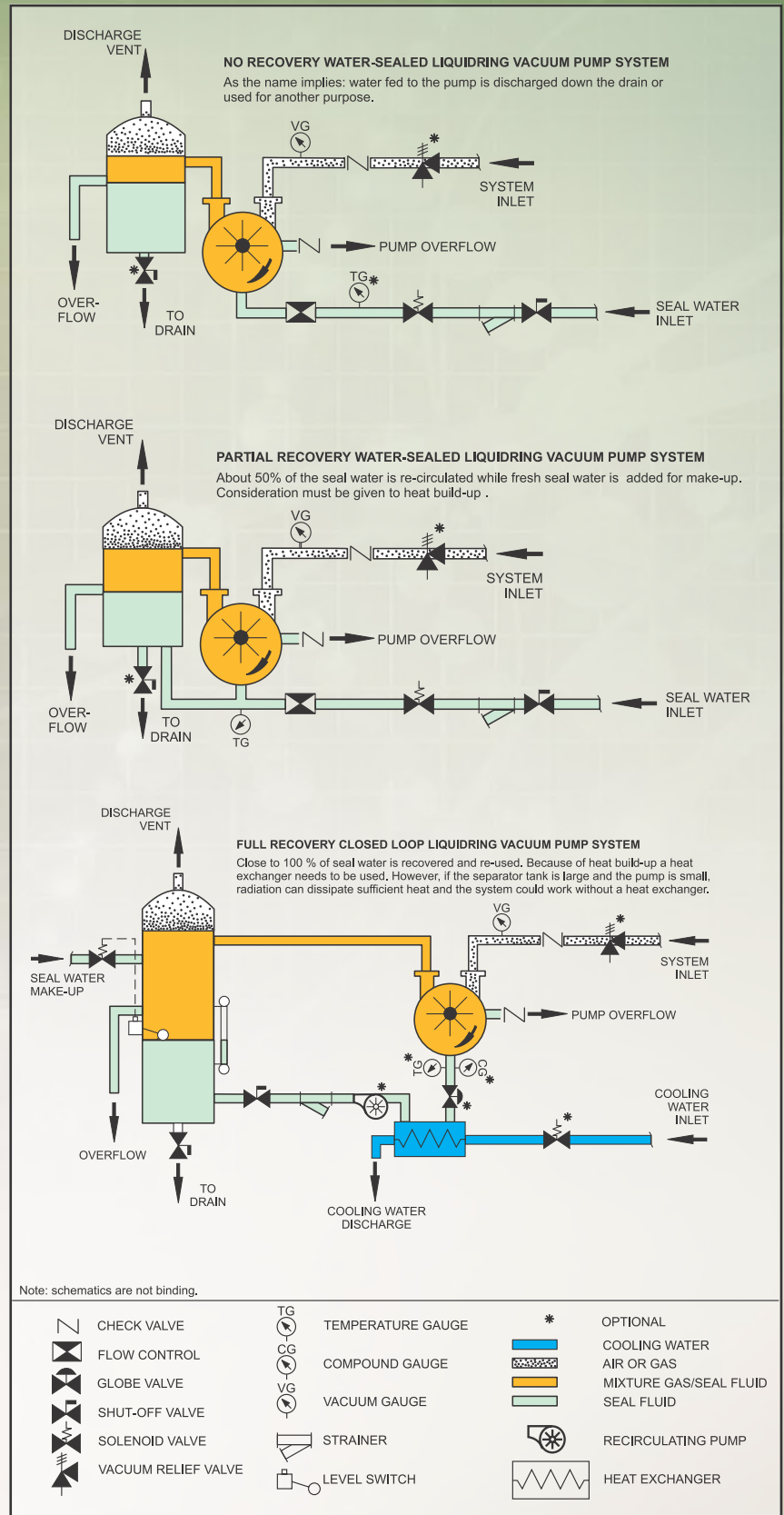
# Optimized Solutions Deliver Performance

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 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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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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