



MOVING WATER
any way you want it



PUMPS AND ACCESSORIES

WATER CONTROL AND DISPLACEMENT



CHOOSING THE BEST SOLUTION TOGETHER

Van Heck can provide support and assistance for any water control or water movement issue. We operate worldwide and whenever required; our wide range of equipment is available 24/7 and can be deployed directly.

Whatever your requirement, whether you need a temporary diversion, an emergency or a permanent fix, we can help you find the most suitable and total solution. Our no-nonsense approach means we achieve optimum results, quickly and comprehensively.

VAN HECK WATER CONTROL AND DISPLACEMENT

- RELIABLE PARTNER
- 24/7 GLOBAL ASSISTANCE
- RAPID RESPONSE
- CUSTOMIZED SOLUTIONS
- COOPERATION AND ADVICE
- WIDE RANGE OF CAPACITIES
- INNOVATIVE
- ENVIRONMENTAL AWARENESS

OUR VALUES

ROBUST - solid | any way and everywhere
DEDICATED - service | smarter together
INNOVATION - focus on solutions | creative
RELIABLE - quality | flexible
FAMILY BUSINESS - drive | continuity

PUMPS AND ACCESSORIES

"Cooperation is the key to our success: choosing for an innovative sustainable solution in good harmonization with the client."

ALWAYS A WAY

Van Heck pump units have very many uses. Our wide ranging fleet and vast array of combinations give you a huge choice of flow rates and pressures. The whole range features premium motors and meets stringent noise and emissions standards.

DIRECTLY AVAILABLE PUMP SYSTEMS

- Diesel powered pump units (page 4).
- Electrically powered pump units (page 5).
- Hydraulically powered pumps (page 6).
- Screw pumps (page 7).
- Siphon systems (page 8).
- Sea Trophy*.

FEATURES OF VAN HECK PUMPS

- A solution for every job; large or small, long term or short term.
- Easily deployed worldwide thanks to international container dimensions.
- Anything is possible: quiet pumps, extreme conditions, long pipelines, high pressure, oil, etc.

- User-friendly standardised controls, customised if required, with automatic start/stop systems, alarms, remote control and PLC controls (Van Heck Connect, see page 9).
- All pump units bear CE marking and are always tested before deployment.

*SEA TROPHY

The Sea Trophy oil pump can be deployed to rapidly empty tankers and fuel tanks anywhere in the world within 24 hours. Call +31 (0)561 43 17 39 for more information about this Green Award-winning invention by Van Heck.



DIESEL & ELECTRIC



HYDRAULIC



SCREW PUMPS



SIPHON SYSTEMS



VAN HECK CONNECT

DIESEL POWERED PUMP UNITS



RELIABLE DIESEL POWERED PUMP UNITS

The well-established diesel engine powers Van Heck's pumps and comes in all shapes and sizes. It can handle tough jobs and high flow rates. By combining different pumps, we can always create a bespoke solution for you.

FEATURES OF DIESEL POWERED PUMP UNITS

- Designed, built and comprehensively tested in house for use in extreme conditions, for example ambient temperatures up to 50 °C.
- Our pump units are fitted with special air filters, so a dusty building site or even a desert holds no problem for them.
- The premium quality motors can be used at full load and 24/7.
- Self-priming pump units, thanks to the combination of the vacuum system and non-return valve developed by Van Heck.
- Van Heck Connect (page 9) allows the pump units to operate autonomously and to be controlled remotely.
- The sets can be fitted with a diversity of noise reduction systems.
- The pump units can be supplied with double-walled 1,300 or 3,000 litre diesel tanks, including fuel lines.

THE HK SERIES

- ideal for dirty water,
- offers discharge heads ranging from 5 to 43 mwc,
- attains flow rates of 600 to 9,950 m³ per hour.

THE SC AND R SERIES

- ideal for cable laying and pigging, for example,
- have a discharge head up to around 190 mwc (high-pressure pump),
- attain flow rates of 40 to 2,900 m³ per hour.

ELECTRICALLY POWERED PUMP UNITS



CONVENIENT ELECTRICALLY POWERED PUMP UNITS

As quiet as a mouse, yet not easily intimidated. High flow rates and pressures can also be achieved with Van Heck's electrically powered pump units. Often used in civil and hydraulic engineering and in industry.

FEATURES OF ELECTRICALLY POWERED PUMP UNITS

- The pump units are quiet, low maintenance and user friendly.
- All electrically powered pump units run on a three phase, 400 V, 50-60 Hz supply.
- The advanced PLC controlled frequency converters are ideal for this.

(SEMI-)SUBMERSIBLE INSTALLATION

The electrically powered pump units provide a practical solution because they do not require a dry location. Spud poles and base plates are used to position them at the required height, even on an uneven submerged surface. The pump units can be placed before the pumping station intake to take over its function.

THE VP SERIES

- attains impressively high flow rates of 8,250 m³ per hour,
- is available in 160 or 200 kW models.

THE AFP SERIES

- can be fully submerged,
- attains impressively high flow rates of 5,750 m³ per hour,
- has a discharge head up to around 26 mwc.

SURFACE INSTALLATION

The pump units are self-priming, thanks to the combination of the vacuum system and non-return valve developed by Van Heck.

THE HK SERIES

- is ideal for dirty and/or open waters,
- attains flow rates of up to 4,400 m³ per hour,
- has a discharge head up to around 18 mwc.

THE SC AND R SERIES

- are ideal for industry, cable laying and pigging,
- have a discharge head up to around 67 mwc,
- attain flow rates of up to 1,700 m³ per hour.

HYDRAULICALLY POWERED PUMPS



SOLID HYDRAULICALLY POWERED PUMPS

You are most likely to find Van Heck's hydraulically powered pumps in the offshore and salvage industries. Reliable systems for delicate operations. The robust construction and salt water resistance are the most valuable features of these compact pumps.

FEATURES OF HYDRAULICALLY POWERED PUMPS

- Widely applicable submersible pumps for load-outs, float-overs, decommissioning and salvage operations.
- Ideal as feed pumps for high pressure pumps for cable laying and pigging.
- Three different models with a broad selection of pressures and flow rates.
- The pump is placed in a vertical riser pipe, making it easy to install.
- The pumps can be integrated into Van Heck's Centrally Controlled Ballast System* for the most complex of ballast operations.
- Powerfully driven by Van Heck's hydraulic diesel power packs.

*VAN HECK BALLAST SYSTEM

You can find more information about the Van Heck ballast system in the Ballast Equipment folder. Or call: +31 (0)561 43 17 39.



SCREW PUMPS



SIMPLE POWER: THE SCREW PUMP

For irrigation, drainage and other forms of water movement, Van Heck offers the perfect simple solution. The screw pump is perfect for agricultural locations and sites that are difficult to access.

FEATURES OF SCREW PUMPS

- The screw pump operates in dirty water without any problems.
- Its simple design enables the lightweight pump to be transported and put into operation quickly and easily.
- The screw pump can be attached to the lift of a tractor. This can then simply be used to position the pump where it is needed, at an angle of up to 45 degrees.
- It can also be driven by a separate diesel engine.
- Solid housing and broad screw width.
- Attains a flow rate of up to 2,100 m³ per hour.
- The screw pump can be supplied with a towable trailer.

ELECTRICALLY POWERED SCREW PUMP

FOR A PERMANENT SOLUTION

Van Heck has developed an electrically powered screw pump. This is really useful if you need a more permanent solution. The electric motor, in conjunction with a frequency regulator, achieves no less than 94% efficiency at minimum power. Moreover, the motor is extremely quiet.



SIPHON SYSTEMS



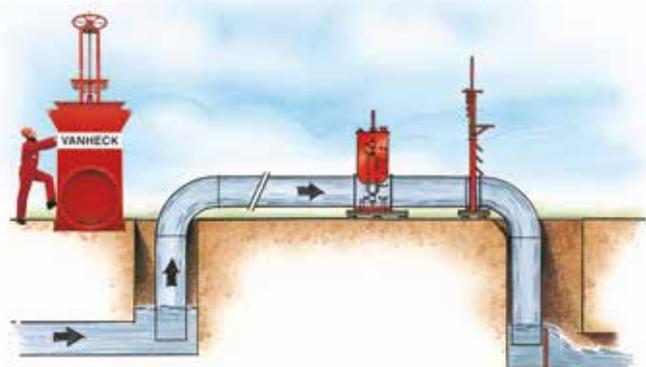
ENVIRONMENTALLY FRIENDLY SIPHON SYSTEMS

The siphon system offers the most environmentally friendly solution. Van Heck saw its potential very early on and has now acquired wide-ranging expertise and experience in its use. This system is a great example of a sustainable and energy saving solution.

FEATURES OF THE SIPHON SYSTEM

- A siphon system works using the difference in height between the inflow and outflow side of the pipe.
- The air is sucked out of the pipes through a vacuum system comprising three electric vacuum pumps and a vacuum kettle.
- The flow of water on the inflow side of the siphon system causes upward pressure, creating a self-regulating effect.
- A difference in water levels of just a few centimetres is enough for siphoning.
- Flow rates can reach up to 25,000 m³ per hour per pipe.

- A siphon system is highly sustainable due to the limited operational costs and low sound level, and it can run on just one litre of fuel per day.
- The system can also be customised with an alarm, automatic valves and flow registration and limitation.



VAN HECK CONNECT



OPERATIONAL CONVENIENCE WITH VAN HECK CONNECT

Van Heck Connect is the bespoke solution for the remote management and control of pumps. In consultation with you, we will set up this PLC to your exact requirements and specifications. In the event of technical faults or deviations, you will receive a notification on your mobile phone so you can take immediate action online.

FEATURES OF VAN HECK CONNECT

- Van Heck Connect controls the pumps autonomously and can be managed via the Internet.
- The control system - including the security - can be programmed entirely to your requirements.
- Van Heck Connect continuously controls and monitors pressure and flow, levels, switch-on and switch-off levels, rpm, operating hours and water levels.
- System data is stored in the PLC's memory.
- Van Heck Connect can control multiple pumps both simultaneously and independently.
- If required, you can easily switch to manual control.
- In the event of failure, Van Heck Connect immediately controls the spare pump.

- You will automatically receive error messages, including a clear description of the type of malfunction, by mobile phone or email.
- Van Heck Connect is extremely easy to implement for both electric and diesel powered pump units.

INGENIOUS FREQUENCY CONVERTERS

Our frequency converter container has been specially designed to house the drive for the electrically powered pump units. In this soundproofed 10 ft container the frequency converters and control equipment enable you to control no less than five pump units. The Van Heck frequency converter container allows you to regulate the temperature and humidity inside the container and automatically start up any required generator.

ACCESSORIES



Besides an extensive rental fleet, Van Heck offers a full package of services and products with its pumps. Choose from the complete engineering to a comprehensive range of test equipment, controls and alarm systems.

In addition, Van Heck has a stock of kilometres of flanged pipeline in various diameters and pressure ratings.

On request, we can design and manufacture custom-made accessories especially for your project.



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PUMP SPECIFICATIONS



DIESEL POWERED PUMP UNITS

Pump	Engine	Engine power kW	Max. head mwc	Max. flow m ³ /h
HK800	CAT C32	709	43	9.950
HK700	CAT C27	597	32	7.000
HK700	CAT 3412/3412E	466-533	25	6.500
HK500	CAT 3406/3306/C11	184-242	19	4.900
HK400	CAT 3126/C7	130-168	21	3.500
HK250	HATZ 4L41C	30	10	1.000
SC350/5	CAT C27	597	140	2.000
SC350/400	CAT C27	597	97	2.900
SC250	CAT C27	597	190	1.200
SC350/5	CAT 3412	466-533	120	1.900
SC350	CAT C27/3412E	466-597	95	2.000
SC350	CAT 3406/C11	242	68	1.800
SC350	CAT 3406/3306	184	57	1.650
SC200	CAT 3126/C7	130-168	90	700
R4915	CAT 3126/C7	130-168	190	270

ANY TECHNICAL QUESTIONS?

Get direct answers to your questions from our technical team; call: +31 (0)561 43 17 39 or send an email to info@vanheckgroup.com

ELECTRICALLY POWERED PUMP UNITS

Pump	Engine	Engine power kW	Max. head mwc	Max. flow m ³ /h
VP800		200-160	6.5	8.250
AFP600		270	26	5.750
HK500-E		200-160	18	4.400
HK400-E		110	19	3.000
EPP200-PSC350		200-160	67	1.700
R4410/2		75	165	130
R100-200		45	55	310

HYDRAULICALLY POWERED PUMPS

Pump	Max. head mwc	Max. flow m ³ /h
VSPH400	21	1.400
VSPH300	21	750
VSPH150	90	400

SCREW PUMPS

Pump	Max. head mwc	Max. flow m ³ /h
SP300	7	1.200
SP400	9	2.100



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