



Product Portfolio

Our mission.

We will provide efficient and reliable products, services and solutions for the water supply and water pumping needs in the residential, irrigation, building services and commercial markets worldwide, in order to maximize value for our customers, co-workers and shareholders.

Innovation for quality.

Innovation has always been one of our distinctive characteristics, as the offer of quality needs to be maintained and developed over time. We invests economic, human and technological resources in training and research in order to ensure continuous improvements of its products and processes. As a member of Xylem, we also share the most advanced research, design and industrial engineering skills with other Group Companies.

Applications.

Goulds Water Technology offers a complete range of pumps for residential, agriculture and industrial applications. For residential service, Goulds Water Technology provides pumps for pressurisation, conditioning, fire-fighting systems, lifting stations and dewatering.

For irrigation, Goulds Water Technology provides pumps for agriculture applications, irrigation of gardens and parks. For industrial applications, Goulds Water Technology is committed on drinking water process, on water treatment, industrial washing equipment and machine tool cooling.

Pump selection guide.

Goulds Water Technology is widely recognised as being one of the most innovative companies pumps and controls for water handling systems. Our concept of competitiveness involves developing top quality and extremely reliable products at competitive prices, hence optimising the level of customer satisfaction and service.

This pump selection guide is providing an overview of our broad offer, for detailed information and selection we refer to our selection programme Xylect.

Xylect.

A pump selection programme which assists in the correct selection of pumps within the Goulds Water Technology range. With the web based Xylect, the user has a very powerful tool that will assist in the work greatly, ensuring the selections made both from a technical and commercial aspect, are correct and more importantly meet the customers needs. Xylect provide all necessary product documentation including drawings in dxf or STP format.



Applications.

	PUBLIC UTILITIES (MUNI)	RESIDENTIAL BUILDING SERVICES	COMMERCIAL BUILDING SERVICES	INDUSTRY	AGRICULTURE
END SUCTION CENTRIFUGAL PUMPS					
GCEA-GCEAN Series					
GCA-GCAN Series					
GBG Series					
GFHE-GFHS Series					
GFHF Series					
GCO-GCOF-GSHO Series					
GSHE-GSHS-GSHF Series					
CLOSE COUPLED IN-LINE PUMPS					
GFC - GFCT Series					
MULTISTAGE					
e-SV Series					
GTDB-GTDV Series Vogel					
GSVI Series					
GHM-GHMS Series					
SUBMERSIBLE, DRAINAGE & SEWAGE PUMPS					
GDOC Series					
GDOMO Series					
GDOMO GRI Series					
GDIWA Series					
GDN Series					
GDL Series					
BOREHOLE					
GGS Series					
GSC Series					
GZ6 Series					
GZ8-GZ10-GZ12 Series					
GCP4O- GCP4C CentriPro Motors					
GCP6W CentriPro Motors					
GCP8W - GCP10W - GCP12W CentriPro Motors					
VARIABLE SPEED CONTROLS					
Hydrovar®					
Hydrovar Retro-Fitting					
Hydrovar Sensorless					
Hydrovar Watercooled					
ACCESSORIES					
Counterflanges					
Control Boxes					

End suction centrifugal pumps.



GFHE-GFHS SERIES
cast iron pumps
acc to EN 733

	50 Hz	60 Hz
Capacity up to	600 m ³ /h	670 m ³ /h
Head up to	100 m	100 m
Power up to	55 kW	55 kW



GSHO SERIES
open impeller
pumps (AISI 316)

	50 Hz
Capacity up to	53 m ³ /h
Head up to	50 m
Power up to	11 kW



GCO SERIES
open impeller
stainless steel
pumps (AISI 316)

	50 Hz	60 Hz
Capacity up to	54 m ³ /h	54 m ³ /h
Head up to	24 m	24 m
Power up to	3 kW	3 kW



GCEA-GCEAN
SERIES
closed impeller
pumps (AISI 316)

	50 Hz	60 Hz
Capacity up to	31 m ³ /h	32 m ³ /h
Head up to	62 m	46 m
Power up to	3 kW	3 kW



GBG SERIES
self priming pumps

	50 Hz
Capacity up to	4.2 m ³ /h
Head up to	53 m
Suction head to	8 m
Power up to	1,1 kW



GSHE-GSHS-GSHF
SERIES
stainless steel
pumps acc to
EN 733 (AISI 316)

	50 Hz	60 Hz
Capacity up to	240 m ³ /h	240 m ³ /h
Head up to	110 m	120 m
Power up to	75 kW	75 kW



GFHF SERIES
frame mounted
cst iron pumps

	50 Hz	60 Hz
Capacity up to	700 m ³ /h	750 m ³ /h
Head up to	100 m	100 m
Power up to	132 kW	90 kW

The centrifugal range is the largest available within the Goulds Water Technology portfolio. The products are available in materials ranging from cast iron to high grade stainless steel and with different seal options to cover a vast number of water supply, industrial and OEM applications.

In-line centrifugal pumps.



GFCE SERIES
close coupled
in-line pumps

	50 Hz
Capacity up to	190 m ³ /h
Head up to	89 m
Power up to	18,5 kW
Temp	-10°C - +130°C



GFCS SERIES
in-line circulator
pumps

	50 Hz
Capacity up to	330 m ³ /h
Head up to	89 m
Power up to	22 kW
Temp	-10°C - +140°C



GFCTE SERIES
close coupled twin
in-line pumps

	50 Hz
Capacity up to	340 m ³ /h
Head up to	89 m
Power up to	22 kW
Temp	-10°C - +130°C



GFCTS SERIES
twin in-line pumps

	50 Hz
Capacity up to	560 m ³ /h
Head up to	89 m
Power up to	22 kW
Temp	-10°C - +140°C

The in-line centrifugal range are suited for many applications including heating, air conditioning systems and hot water. The range pumps from 1" to 6" discharge size.

Multi-stage pumps.

Goulds Water Technology has an extensive range of multi-stage products that start with the Goulds e-SV standard product through to the GTDB range which are available in various materials including stainless steel, bronze and various iron options. Unique products within this range include the DPS system and a multi-outlet pump used in fire set applications.



e-SV SERIES vertical multistage pumps

The range of pumps features 11 models and can be specially configured for a wide range of applications.

Capacity up to	50 Hz	160 m ³ /h
Head up to		330 m
Power up to		55 kW
Temp		-30°C - +120°C (high temp versions up to 180°C)
Capacity up to	60 Hz	160 m ³ /h
Head up to		280 m
Power up to		55 kW
Temp		-30°C - +120°C (high temp versions up to 180°C)

GTDB-GTDV SERIES vertical multi-stage pumps

Capacity up to	50 Hz	340 m ³ /h	60 Hz	on request
Head up to		500 m		
Power up to		355 kW		
Temp		up to 140°C		



Submersible drainage and sewage pumps.

Submersible pumps available cover small and medium sized applications. The products are suited to applications such as cellar drainage through to industrial liquid transfer. The main application of the larger sized units is pumping of sewage.

GDOMO GRI SERIES sewage pump with grinder device

Capacity up to	50 Hz	6,6 m ³ /h	60 Hz	6,6 m ³ /h
Head up to		25 m		29 m
Power up to		1,1 kW		1,1 kW



GDIWA SERIES drainage pumps

Capacity up to	50 Hz	25 m ³ /h	60 Hz	25 m ³ /h
Head up to		21 m		20 m
Power up to		1,5 kW		1,5 kW
Solids up to		8 mm		



GSVI SERIES immersible vertical multistage pumps

Capacity up to	50 Hz	160 m ³ /h	60 Hz	160 m ³ /h
Head up to		330 m		280 m
Power up to		55 kW		55 kW
Temp		-10°C - +90°C		



GHM-GHMS SERIES horizontal multistage pumps

Capacity up to	50 Hz	7.2 m ³ /h	60 Hz	8.4 m ³ /h
Head up to		60 m		62 m
Power up to		0.9 kW		0.9 kW



GDOMO SERIES wastewater/ sewage pumps

Capacity up to	50 Hz	40 m ³ /h	60 Hz	40 m ³ /h
Head up to		14,5 m		14,5 m
Power up to		1,5 kW		1,5 kW
Solids up to		50 mm		



GDOC SERIES cellar drainage pumps

Capacity up to	50 Hz	14 m ³ /h	60 Hz	14 m ³ /h
Head up to		11 m		11 m
Power up to		0,55 kW		0,55 kW
Solids up to		20 mm		



GDN SERIES drainage pumps

Capacity up to	50 Hz	17 m ³ /h	60 Hz	18 m ³ /h
Head up to		20 m		21 m
Power up to		0,75 kW		0,75 kW
Solids up to		5 mm		



GDL SERIES wastewater/ sewage pumps

Capacity up to	50 Hz	42 m ³ /h	60 Hz	42 m ³ /h
Head up to		21 m		22 m
Power up to		1,5 kW		1,5 kW
Solids up to		50 mm		



Submersible borehole pumps.

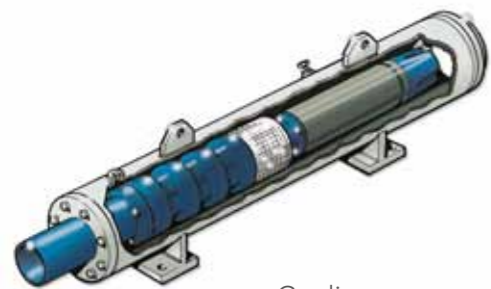


GG5 SERIES 4" borehole pumps

	50 Hz	60 Hz
Capacity up to	21 m ³ /h	22 m ³ /h
Head up to	340 m	300 m
Power up to	7,5 kW	7,5 kW

GSC SERIES 5" submersible pumps

	50 Hz	60 Hz
Capacity up to	7,5 m ³ /h	7,5 m ³ /h
Head up to	80 m	75 m
Power up to	1,1 kW	1,1 kW



Cooling shrouds and pressure shrouds

The Goulds Water Technology borehole range offers products ranging in pump diameters from 4" to 12". Various material options are available including cast iron and various grades of stainless steel. In addition to the products shown, Goulds Water Technology can offer alternative mounting options of this range including cooling shrouds and pressure shrouds.



GZ6 SERIES 6" borehole pumps

	50 Hz	60 Hz
Capacity up to	78 m ³ /h	90 m ³ /h
Head up to	700 m	700 m
Power up to	55 kW	55 kW



GZ8-GZ10-GZ12 SERIES 8"-10"-12" borehole pumps

	50 Hz	60 Hz
Capacity up to	520 m ³ /h	480 m ³ /h
Head up to	550 m	550 m
Power up to	350 kW	350 kW

Variable speed drives... HYDROVAR®.

HYDROVAR® - the intelligent and user friendly speed controller for pumps!

HYDROVAR® is a pump or wall-mounted variable speed, microprocessor based system controller, and was the world's first of its type to manage motor speed and match pump performance to a range of hot and cold water applications.

Due to the unique modular design the HYDROVAR® unit can be mounted or retrofitted to any existing centrifugal pump which has a standard IEC motor.

This is the long-awaited solution for high-level installations requiring failsafe systems with a superior range of features, while its modularity also provides a cost-effective solution for low-level, reduced feature demands.

The HYDROVAR® needs no additional master control and enables virtually any configuration of pumps: up to 8 master drives or a mix of master and slave drives. The units are available in powers from 1,1 - 22 kW.

The HYDROVAR® does much more than just change the motor speed.

It truly manages your pump performance to match a wide range of system conditions, allowing energy savings up to 70% approved by TÜV Austria)*

* Tests carried out by TÜV Austria (Austrian testing authority) on 5 March 2005 based on comparative tables and data on intake performance at identical flow.



The HYDROVAR® eliminates the need for.

Expensive additional master control panels and circuitry.

System control valves.

Large pressure vessels.

Benefits.

Sizes available 1,1 - 22 kW.

Extension up to 315 kW by using the external Hydrovar Smart controller.

Shuts off at zero demand.

Easy to integrate into BMS systems - ModBus communication included as standard.

Can be mounted directly on any standard IEC motors.

Included 2 line LCD display.

Enclosure IP 55 protection.

Up to 8 HYDROVAR® pumps can be connected to one system.

Available in 3 different levels (Master/Single/Basic) to offer the right solution for system requirement.

2 sensor inputs for implementing of two actual value signals within one system (min/max, difference) or for a second sensor for safety reasons (Master Inverter).

Different types of sensors supported (4-20mA, 0-20mA, 0-10Vdc, 2-10Vdc).

Energy savings up to 70% achievable.

Error Log with Time and date stamp.

Extended manual control mode with different fixed speed valued selectable via external contact.

Typical examples of application.

Maintaining a constant pressure, as in water boosting or irrigation.

Maintains a constant flow, as in filter and water supply applications.

Compensating for losses in a system (following a system curve), as in heating systems.

Control of pump performance by temperature sensors.

Emptying or filling tanks by level probes.

Control of boiler feed water.

Cascade control capability by combining different executions (Master/Basics) of the modular HYDROVAR® family.

Typical energy savings.

Pump Type: In-line GFCE 80 - 200/110 at a head of 25 metres

CAPACITY m³/h	POWER USED		POWER SAVED kW	LENGTH OF TIME h	TOTAL kWh
	CONSTANT SPEED kW	VARIABLE SPEED kW			
40	7,13	4,95	2,18	2.190	4.774
60	8,17	6,29	1,88	4.380	8.234
90	9,81	9,43	0,38	2.190	832

TOTAL ENERGY SAVINGS 13.840

Retro-fitting.

The HYDROVAR® speed controller can be mounted or retro-fitted to any existing centrifugal pump manufacturer's unit, which has a standard IEC motor. The units are available in powers from 1.1-22 kW. The units can be mounted directly on to the pump motor (horizontal or vertical) or can be wall mounted. The

Energy savings.

Energy saving is a large issue within the heating and ventilating market and within the Goulds Water Technology product portfolio we can offer a variable speed drive, the HYDROVAR®. A unique parameter gives the HYDROVAR® an added advantage.

This parameter allows the pump to follow a system curve, the minimum system head is set together with the maximum and the pump will then operate between these two points.

This option has been specifically developed for use in the heating industry as it allows the user to save up to 70% energy costs over a fixed speed pump. Due to the energy saving capabilities of the HYDROVAR® the unit has achieved the high requirements set by the Energy Saving Trust to allow Lowara to promote the HYDROVAR® product.

HYDROVAR® booster sets.

The HYDROVAR® allows up to 8 units to be interfaced together which offers the user ultimate flexibility. The pumps have an automatic cyclic changeover facility and in the case of failure the remaining pump/s take up the duty. The HYDROVAR® utilises a 4 - 20A signal to regulate the motor speed in order to meet the system requirements. By controlling the pump in this way the user can make substantial savings in comparison to conventionally controlled systems.



HYDROVAR® can also be connected by cable to another control system with microprocessor, using the RS-485 database located on the main terminal board under the cover. This enables the HYDROVAR® system to send information about the system conditions to an external unit, and to be controlled from a distance.



HYDROVAR® Smart.

The HYDROVAR Smart device includes all control functions of a HYDROVAR and can be combined with all standard frequency converters, regardless of the power range and the available supply voltage range. The inbuilt microprocessor manages all pump specific control requirements including cascading of up to 4 drives in multipump systems. The patented HYDROVAR controller ensures an immediate stop of the pump at zero demand.

Advantages.

Patented HYDROVAR Control System.

Integrated multi pump controller.

No external power supply required (24V AC/DC output of the VFD can be used).

Enclosure IP55 for panel or wall mounting.

Suitable for combination with all standard frequency converters.

No limitation of the power range.

HYDROVAR controlled variable speed drive for any supply voltage range possible.

RS485 interface input included as standard.

Control Boxes.

A range of control boxes suitable for use with both submersible and surface pumps.



Hydrovar Watercooled for low power boosting systems.

As the name implies the unit utilises the water pumped through it to cool the internal electronics and its unique design has been developed for use within residential applications. The Hydrovar Watercooled variable speed drive will be supplied along with a pump and will protect the unit from dry running, overheating, short circuit and over-current and due to the soft start/stop operation protect the system from water hammer. The Hydrovar Watercooled is an important part of the HYDROVAR® product family to complete the product portfolio on the low power end and continue to offer its users a reliable variable speed drive solution.

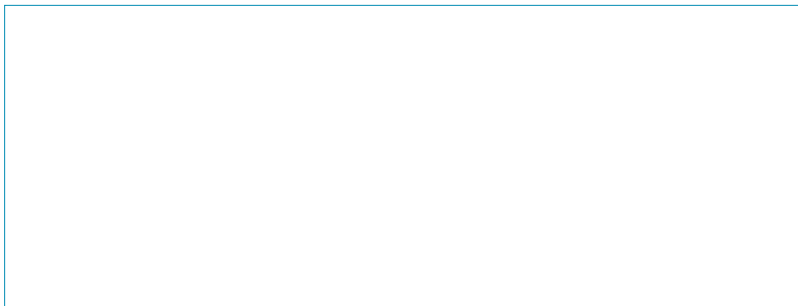
What can Xylem do for you?

Xylem ['ziləm]

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're 12,000 people unified in a common purpose: creating innovative solutions to meet our world's water needs. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise, backed by a legacy of innovation.

For more information on how Xylem can help you, go to xylem.com.



Headquarters

XYLEM WATER SYSTEMS USA LLC
1 Goulds Drive
Auburn, NY 13021 - U.S.A.
Phone: +1 (800) 453-6777
Fax: +1 (888) 322-5877

Goulds is a registered trademark of Goulds Pumps, Inc and used under license.
© 2012 Xylem Inc.