



Wastewater Portfolio

SOLVING WASTEWATER FOR APPLICATIONS
REQUIRING UP TO 40 HP



WASTEWATER. SOLVED.

Residential wastewater is no longer a problem with our full range of quality products and outstanding support.

Goulds Water Technology's tough, reliable wastewater pumps are thoroughly proven to devour solids and fibers, and resist clogging. Plus, they're backed by the expertise and support of a dedicated team from a trusted leader that's been delivering innovative wastewater solutions for over 170 years, including:

- Superior seal strength
- Built in the USA products
- A wide range of products and horsepower
- Selling only through professional independent dealers
- Goulds Professional Dealers Association (GPDA) member rewards

IMPELLER DESIGN

Impellers are an essential component of any wastewater pump required to handle solids. Goulds Water Technology wastewater pump portfolio includes a variety of impeller technologies designed to tackle your specific application.

- **Non-clog Channel/Vane:** Typically a two-vane design.
- **Vortex:** Recessed into the pump casing, this design allows the solids to pass without touching the vanes.

Non-clog Channel/Vane



Vortex



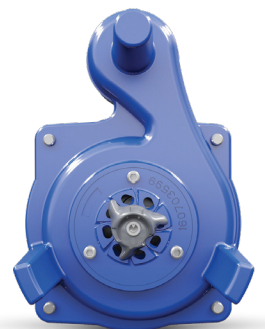
K-Impeller



Rotary Grinder



Axial Grinder



SUPERIOR SEAL STRENGTH

The most vulnerable part in a pump is the mechanical seal. Both the stationary and rotary faces of our seals are constructed of sintered, chemical grade silicon carbide. This is the toughest, most reliable mechanical seal face combination, ideal for the demanding wastewater environment, and available on many of our pumps.

	Carbon Ceramic	Silicone Carbide	Performance Ratio
Hardness	600	2,700	4.5
Tensile Strength	6,000 PSI	45,000 PSI	7.5
Compression Strength	22,000 PSI	360,000 PSI	16.4
Temperature	525 °F	3,000 °F	5.7

- **K-Impeller:** Exclusive to Xylem, the self-cleaning design is more efficient than any other design, resulting in lower energy consumption.
- **Rotary Cutter + Impeller:** This design incorporates a two-blade cutter with an internal cutter ring.
- **Axial Grinder + Impeller:** The Xylem axial grinder is designed with a three blade cutter and an eight-hole cutter plate paired with a semi-open impeller.

WASTEWATER PORTFOLIO

	Models Bolded represents premium seal standard	Materials of Construction	Performance Range	HP Range	Phase	Discharge Sizes
Sump	GSP , LSP, 1DW, 2DW	- Cast iron - Engineered composites - Stainless steel	Up to 110 gpm, 66' TDH	1/3 - 1 1/2	1Ø-3Ø	1 1/4" - 1 1/2" NPT and 2" hose
Effluent	20AE, PE, EP, WE , 2ED		Up to 140 gpm, 240' TDH	1/3 - 2		1 1/4" - 1 1/2" and 2" NPT
Sewage (Non-clog, K-Impeller)	PS, WD, WS_B , WS_BF , WS_BHF , GFK, WS_D3 , WS_D4 , 3SD, 4SD, 3SDX, 4SDX, 4NS, 4XD		Up to 1,200 gpm 140' TDH	1/3 - 40		2" and 3" NPT, 3" and 4" flanged
Sewage (Vortex)	PV, WW, VTX , GFV, GSD					
Grinders	AGS , RGS , 1GD , 1GA , 2GA	- Cast iron - Silicon bronze - Hardened steel	Up to 200 gpm 180' TDH	1/2, 1, 2, 3, 5, 7 1/2		1 1/4" - 1 1/2" and 2" NPT



PUMP / BASIN PACKAGES

Available Models: Grinder, Effluent and Sewage

Materials of Construction:

- Fiberglass basin can be engineered and assembled for delivery to your site
- Ribbed polyethylene basins with structural foam or steel covers assembled and in stock
- Roll top polyethylene basins with structural foam cover assembled and in stock

Features and Benefits:

- Supplied completely assembled OR installer can install piping to fit installation needs
- Systems available with 1 1/4" - 4" piping

GRINDER PACKAGES

Features and Benefits:

- Simplex and Duplex basin assemblies in 1.25" and 2" discharge
- Solid basin covers. Vent must be field installed per local code
- Basins are not pre-drilled for electrical or inlet grommet holes and should be field installed. Parts are shipped loose

WASTEWATER PACKAGE SYSTEM

Features and Benefits:

- Completely assembled basin kit for 2" connection
- Simplex and Duplex configurations available
- Conery base elbow disconnects 2"
- Easy pump installation
- Valves and piping complete
- True union isolation valve
- Stainless steel guide rails
- Installed stainless steel float bracket
- Inlet hub shipped loose



CONTROL PANELS

- Stock controls feature the most popular options
- Available in Simplex and Duplex designs
- Controllers can be custom designed to your specifications
- Many panel styles in stock for immediate delivery

FLOAT SWITCHES

- Pump and control type
- Direct connection for up to 20 amps

PIPING AND ACCESSORIES

- Check valves
- Guide rail systems
- Pipe fittings
- Junction boxes

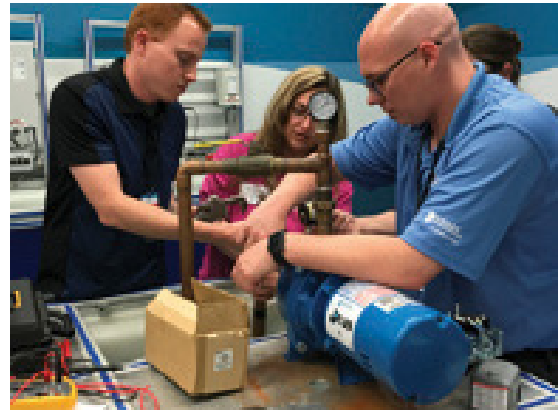


ADDITIONAL RESOURCES

Goulds Water Technology provides more than pumps. We provide a wide range of tools and training to further support you as an industry professional.

Training & Education: Goulds Water Technology offers a variety of training resources available to support wastewater professionals.

- Hands-on factory schools
- e-Learning courses
- Webinars
- Podcasts
- On-Demand videos



[Goulds.com/WastewaterSolved](https://www.goulds.com/WastewaterSolved) highlights the benefits of partnering with Goulds Water Technology for your wastewater needs, along with information on our extensive product portfolio.

Select Goulds Water Technology is an online tool that allows users to easily size and select wastewater pumps and packages.

Visit [Goulds.com](https://www.goulds.com) for information on our entire product portfolio, including literature, product specifications and resources.



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