



Goulds Water Technology Training Opportunities

Goulds Water Technology, a Xylem brand, has proudly delivered industry leading training for more than 30 years.

Over the last ten years, we have recognized there was a need for on-demand and remote training. We have developed a library of resources including live webinars, e-Learning, podcasts and efficient on-demand videos which thousands of you, our customers, have already been benefiting from.

While this document is in no way inclusive of all training available, it does provide a solid outline of training and resource materials available by interest.



Click on the links for quick access to the training materials or the web pages to learn more.

RESIDENTIAL WATER TRAINING

ON-DEMAND TRAINING VIDEOS:

(5-20 minutes)

Available through YouTube, these short videos are tailored to provide introductions, troubleshooting and best practices wherever you are.

<https://www.youtube.com/GouldsWaterTech>

Click on the links for quick access to the training materials or the web pages to learn more.



How to Change Voltage on a Jet Pump Motor



How to Troubleshoot Submersible Motors with Your Ohmmeter



3 Steps for Checking Tank Air Pressure



How to Tell If a Pressure Transducer is Working Properly



The 15 Typical Causes of Pressure Switch Chatter



Goulds Water Technology Submersible Pump Installation (360 Video)

LIVE WEBINARS:

(30-60 minutes)

Learn by attending live webinars with product and training experts. Q&A time included. Visit the website for specific dates and times:

<http://goulds.com/factory-school/webex-trainings/>

Electrical Basics: An overview of practical electrical information such as power supply, amperage, AC vs. DC, ohms law and meters.

DOE 2020 Updates: A review of the Department of Energy's new regulations regarding energy ratings that went into effect on January 27th, and what they mean for you.

E-LEARNING PROGRAM:

(60-90 minutes)

An online learning program tailored to provide industry training to professionals who need to fulfill CEU, employer-required training, or simply focus on their professional development.

<http://goulds.com/e-learning/e-learning-course-descriptions/>

***Basic Water Systems Training:** This eleven module course focuses on pump basics, discharge conditions, understanding pump curves, sizing and selecting pumps, pressure storage tanks and other similar topics.

***Variable Frequency Drives:** In this four module course learn what a VFD is and how it works. Explore a typical VFD system. Understand the role each component plays in maintaining constant water pressure, and the effect of motor speed on pump performance. Examine the various VFD system types and learn how to select, size and start up a system properly. Finally, get familiar with common VFD failure modes, troubleshooting tools and steps you can take up front to minimize problems over time.

***Introduction to Vertical Turbine Pumps:** In this three module course, take an introductory look into vertical turbine pumps. Understand the markets and applications each type of vertical turbine pump is best suited for. Explore the components, materials of construction and typical terminology associated with these pumps. And finally, discover how to properly size and select a turbine pump for the application.

Introducing Goulds Water Technology: 4" Submersible Pumps: This product-specific course introduces the user to the GWT 4" submersible well pump family, which includes the G, GS & HS Series. Discover the features and benefits, pump performance and construction design that make our 4" submersible pump lines a dependable option for all applications.

Introducing Goulds Water Technology: Jet Pumps: This product-specific course introduces the user to the GWT line of jet pumps. Discover how the GWT jet pumps outperform against the competition. Learn service tips to help ensure a long life for the pump, as well as key features and benefits that make our line of jet pumps a dependable option for all applications.

**These courses have been approved for continuing education credits in many states. Refer to your state's website and requirements for more information*

HANDS-ON FACTORY SCHOOL, SENECA FALLS, NY:

Visit our website for the most up-to-date schedule information:

<http://goulds.com/factory-school/course-schedule/>

Residential Water System Product Application & Troubleshooting School

The Water Systems class covers all GWT water system pumps and accessories, including submersible pumps, shallow and deep well jet pumps, electrical accessories, fittings, tanks and residential drives. During the three-day class, attendees will receive instruction regarding the sizing, applications and features/benefits of each product, as well as interactive training in the lab, including setup, installation and troubleshooting. The Water Systems class also includes a plant tour of our manufacturing facility in Auburn, NY, as well as a plant tour of our Aquavar Solo Variable Frequency Drive vendor Emcom, also in Auburn.

Each attendee will learn how to select and size the proper pump for the application. In addition, attendees will receive valuable experience in installation, set-up and troubleshooting of residential water systems.

Variable Speed Drive Product & Application School

The Drive course covers all Commercial/Industrial GWT variable speed drives, including Hydrovar, SPD, CPC and IPC. During the three-day class, attendees will receive instruction on sizing, applications and features/benefits of each product and hands-on training in the lab, including setup, installation and troubleshooting.

Each attendee will learn how to select and size the proper drive for the application. In addition, attendees will gain valuable experience regarding installation, set-up and troubleshooting of all drives.

WASTEWATER TRAINING

ON-DEMAND TRAINING VIDEOS:

(5-20 minutes)

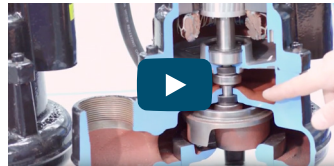
Available through YouTube, these short videos are tailored to provide introductions, troubleshooting and best practices wherever you are.

<https://www.youtube.com/GoaldsWaterTech>

Click on the links for quick access to the training materials or the web pages to learn more.



Wastewater Package Systems



The GFK Series Submersible Sewage Pumps



Just How Tough is the AGS Axial Grinder?



How to Install a Typical Wastewater Panel Using Three Floats



Wastewater Panels and Floats

PODCAST EPISODES

(20-45 minutes)

Learn from our experts by listening to our recorded podcasts. Available through Apple Podcast, Google Podcast, Spotify and on the GWT YouTube channel

Overcoming 'Modern Trash' & Residential Wastewater with Bo Gell:

In the Field with Goulds Water Technology, a Xylem Solving Water podcast

<https://www.youtube.com/watch?v=vsjNWGX2xRg>

LIVE WEBINARS:

(30-60 minutes)

Learn by attending live webinars with product and training experts. Q&A time included. Visit the website for specific dates and times:

<http://goulds.com/factory-school/webex-trainings/>

Wastewater Sizing Program: Learn about all the new wastewater sizing and selection tool "Select Goulds Water Technology."

New Wastewater Pumps: Learn about the latest wastewater solutions now available.

E-LEARNING PROGRAM:

(60-90 minutes)

An online learning program tailored to provide industry training to professionals who need to fulfill CEU, employer-required training, or simply focus on their professional development.

<http://goulds.com/e-learning/e-learning-course-descriptions/>

GWT Wastewater Training: In this three module course, learn about the different wastewater pump types and their functions. Understand how to calculate pump size and correctly select pumps. Finally, explore the various accessories available to aid in the use of a sump, sewage or effluent pump.

HANDS-ON FACTORY SCHOOL, SENECA FALLS, NY:

Visit our website for the most up-to-date schedule information:

<http://goulds.com/factory-school/course-schedule/>

Wastewater Pumping - Product & Application School

The Wastewater class covers all GWT wastewater pumps and accessories, including sump, effluent, sewage pumps, panels, basins, switches and fittings. During the three-day class, attendees will receive instruction on sizing, applications and features/benefits, as well as interactive training in the lab, including setup, installation and troubleshooting. The Wastewater class also includes a plant tour of our manufacturing facility in Auburn, NY.

Each attendee will learn how to select and size the proper pump for the application. In addition, attendees will gain valuable experience regarding installation, set-up and troubleshooting of wastewater pumps and panels.



AGRICULTURE TRAINING

ON-DEMAND TRAINING VIDEOS:

(5-20 minutes)

Available through YouTube, these short videos are tailored to provide introductions, troubleshooting and best practices wherever you are.

<https://www.youtube.com/GoaldsWaterTech>

Click on the links for quick access to the training materials or the web pages to learn more.



Vertical Turbine Shaft Straightening



Vertical Turbine Coupling Configurations



Teardown & Inspection of Lineshaft Bowl Assembly



Submersible Large Borehole Pump Assembly



How to Install a Vertical Industrial Submersible Pump Motor



How to Properly Adjust Impeller for Vertical Industrial Turbine Pumps

PODCAST EPISODES:

(20-45 minutes)

Learn from our experts by listening to our recorded podcasts. Available through Apple Podcast, Google Podcast, Spotify and on the [GWT YouTube channel](#)

Addressing Water Scarcity in Agriculture & Irrigation with Dave Stover

In the Field with Goulds Water Technology, a Xylem Solving Water podcast

<https://www.youtube.com/watch?v=od4E5wlecDg>

LIVE WEBINARS:

(30-60 minutes)

Learn by attending live webinars with product and training experts. Q&A time included. Visit the website for specific dates and times:

<http://goulds.com/factory-school/webex-trainings/>

DOE 2020 Updates: A review of the Department of Energy's new regulations regarding energy ratings that went into effect on January 27th, and what they mean for you.

XOL (Xylem Online): Learn how to navigate through the sizing and selection program for turbine pumps called XOL (Xylem Online).

Electrical Basics: An overview of practical electrical information such as power supply, amperage, AC vs. DC, ohms law and meters.

Smart Pumps: Learn more about our most advanced and efficient motor with integrated control specific for pump applications - e-HME and e-SVE.

E-LEARNING PROGRAM:

(60-90 minutes)

An online learning program tailored to provide industry training to professionals who need to fulfill CEU, employer-required training, or simply focus on their professional development.

<http://goulds.com/e-learning/e-learning-course-descriptions/>

***Introduction to Vertical Turbine Pumps:** In this three module course, take an introductory look into vertical turbine pumps. Understand the markets and applications each type of vertical turbine pump is best suited for. Explore the components, materials of construction and typical terminology associated with these pumps. And finally, discover how to properly size and select a turbine pump for the application.

**This course has been approved for continuing education credits in many states. Refer to your state's website and requirements for more information*

HANDS-ON FACTORY SCHOOLS, FRESNO, CA & LUBBOCK, TX:

Visit our website for the most up-to-date schedule information:

<http://goulds.com/factory-school/course-schedule/>

Deep Well Vertical Turbine Training

This session is directed to Municipal Raw Water Feed and Agricultural applications. This course is an introductory level class covering the aspects of the Vertical Turbine pump from terminology to components, selection, configuration and quotation of the Deep Well Vertical Turbine pump.

COMMERCIAL + INDUSTRIAL TRAINING

ON-DEMAND TRAINING VIDEOS:

(5-20 minutes)

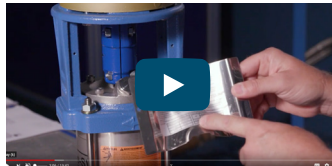
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<https://www.youtube.com/GoaldsWaterTech>

Click on the links for quick access to the training materials or the web pages to learn more.



e-HME Smart Pump Operation



e-SV: How to Repair the Stack Assembly and Change a Seal



e-SV: Suction and Discharge Port Configurations



The Aquavar IPC's new advanced platform



8 Common Aquavar IPC Commissioning Tips



Aquaforce e-MT Package Booster System

LIVE WEBINARS:

(30-60 minutes)

Learn by attending live webinars with product and training experts. Q&A time included. Visit the website for specific dates and times:

<http://goulds.com/factory-school/webex-trainings/>

DOE 2020 updates: A review of the Department of Energy's new regulations regarding energy ratings that went into effect on January 27th, and what they mean for you.

Electrical Basics: An overview of practical electrical information such as power supply, amperage, AC vs. DC, ohms law and meters.

Smart Pumps: Learn more about our most advanced and efficient motor with integrated control specific for pump applications - e-HME and e-SVE

Packaged System Overview: A review of the Goulds Water Technology variable speed booster packages, and an introduction to the sizing program, applications, features and benefits of each product.

e-MP: Learn about how the e-MP offers a robust and reliable pumping system which meets virtually any high pressure application.

e-XC: An overview of the e-XC single stage, double suction, centrifugal pump.

HANDS-ON FACTORY SCHOOLS, LUBBOCK, TX:

Visit our website for the most up-to-date schedule information:

<http://goulds.com/factory-school/course-schedule/>

Short Set Vertical Turbine Training - Lubbock, TX

This session is intended for Industrial, Municipal High Service and Commercial applications. This course is intended to be a 2nd level class and prior turbine knowledge is a benefit. This course covers advance topics including materials of construction for various applications, vibration, bearing considerations and more.

HANDS-ON FACTORY SCHOOLS, SENECA FALLS, NY:

Visit our website for the most up-to-date schedule information:

<http://goulds.com/factory-school/course-schedule/>

Variable Speed Drive Product & Application School

The Drive course covers all Commercial/Industrial GWT variable speed drives, including Hydrovar, SPD, CPC and IPC. During the three-day class, attendees will receive instruction on sizing, applications and features/benefits of each product and hands-on training in the lab, including setup, installation and troubleshooting.

Each attendee will learn how to select and size the proper drive for the application. In addition, attendees will gain valuable experience regarding installation, set-up and troubleshooting of all drives.

Commercial/Industrial Pump Product & Application School

The Commercial/Industrial course covers all GWT centrifugal pumps, including close coupled, frame mounted, single stage, multistage, horizontal and vertical pumps. In addition, the three-day class covers motors, mechanical seals, couplings and commercial/industrial drives. Attendees will receive instruction on sizing, applications and features/benefits of each product and interactive training in the lab, including set-up, installation and troubleshooting. The Commercial course also includes a plant tour of our manufacturing facility in Auburn, NY.

Each attendee will learn how to select and size the proper pump for the application. In addition, attendees will gain valuable experience regarding installation, set-up, troubleshooting and repair of commercial pumps.

Variable Speed Packaged Systems & Application School

The Packaged Systems course covers all Goulds Water Technology variable speed packaged systems, including AquaBoost, AquaForce eHV, AquaForce eMT and AquaForce XL. In addition there will be overviews of the Hydrovar and IPC commercial variable speed drives used on packaged systems. During the three-day class, attendees will receive instruction on sizing, applications and features/benefits of each product and hands-on training in the lab, including setup, installation and troubleshooting.

Each attendee will learn how to select and size the proper packaged system for their application. In addition, attendees will gain valuable experience regarding installation, set-up and troubleshooting of all boosters.

Advanced - Power, Electrical Issues, Hydraulics, Motors, Efficiency Standards, Meters, Advanced Commercial/Industrial Drive Features & Software

****Prerequisite: Minimum five years' experience with pumps and drives. Pre-approval is required.*

The advanced class covers power supplies, grounding and protection, motors and controls, hydraulics, efficiency standards, meters, advanced drive features and troubleshooting. The Advanced Class also includes a plant tour of our manufacturing facility in Auburn, NY. Each attendee will gain a better understanding of the interworkings of pumps and drives. In addition, attendees will gain valuable lab experience regarding advanced parameters, option cards and duplex set up of our Commercial/Industrial VFD's.

INDUSTRY + BUSINESS TRAINING, MARKETING RESOURCES

ON-DEMAND TRAINING VIDEOS:

(5-20 minutes)

Available through YouTube, these short videos are tailored to provide industry and business information and best practices, as well as marketing resources to help promote your business wherever you are.

<https://www.youtube.com/GoaldsWaterTech>

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Xylem, Waterboys Team Up to Provide Clean Water to Virginia Family (Extended Version)



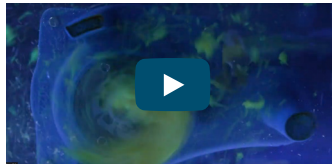
The Aquavar SOLO2 Constant Pressure Controller



Wastewater. Solved. The New Goulds Water Technology Wastewater Pump Portfolio



The GFK & GFV Series Sewage Pumps



Just How Tough is the AGS Axial Grinder?



Xylem Employees and Stakeholders Build Well For Texas Family

PODCAST EPISODES:

(20-45 minutes)

Learn from our experts by listening to our recorded podcasts. Available through Apple Podcast, Google Podcast, Spotify and on the GWT YouTube channel

America's Need for Clean Water With Margaret Martens

In the Field with Goulds Water Technology, a Xylem Solving Water podcast - <https://www.youtube.com/watch?v=21q1hsQUwkU>

Training Today's Water Industry Professionals with Tom Stephan

In the Field with Goulds Water Technology, a Xylem Solving Water podcast - <https://www.youtube.com/watch?v=odGF3rc2Jx0>

Defending Professional Contractors in the Online Age

In the Field with Goulds Water Technology, a Xylem Solving Water podcast - <https://www.youtube.com/watch?v=jMlbb1GQfBE>

Women Leaders in the Water Industry

In the Field with Goulds Water Technology, a Xylem Solving Water podcast - <https://www.youtube.com/watch?v=kcRMBjl5nlg>

The Differences & Benefits of Working for Distributors & Manufacturers

In the Field with Goulds Water Technology, a Xylem Solving Water podcast - <https://www.youtube.com/watch?v=IU7xlwi8QFU>

Small Business Toolbox: A five episode series dedicated to helping professionals succeed in business. In the Field with Goulds Water Technology, a Xylem Solving Water podcast - 1st episode: <https://www.youtube.com/watch?v=D5e3ZunCLX0>



TRAINING RESOURCES

As mentioned, this document is meant to provide you with a general understanding of training opportunities available by area of interest. For additional information, including the most up-to-date schedule and offerings, please click on the links below. For information on customized training opportunities available (live webinars or hands-on) for your team or customers, please contact your Xylem Sales Manager:

[On-Demand Videos](#)

[Live Webinars](#)

(previously recorded webinars are available on-demand)

[Podcasts](#)

[e-Learning Program](#)

[Hands-on Factory School](#)

xylem
Let's Solve Water

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