



Vertical Turbine Pumps

ENGINEERED FOR AGRICULTURE/
IRRIGATION APPLICATIONS



BRVTPAI

 **GOULDS**
WATER TECHNOLOGY
a xylem brand

When Mother Nature naps...
rely on our more than 150 years
of water pumping solutions.

Lineshaft and Submersible Vertical Turbine Pumps



Deep Well Turbine Pumps (DWT)

- Bowl sizes 5 in to 20 in
- Flows to 8,000 gpm +
- Heads to 1,000 ft +
- Enclosed or open lineshaft column pipe
- Enclosed or Open Impellers

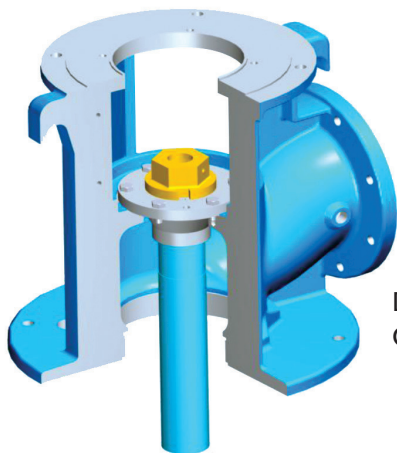


Submersible Turbine Pump (VIS)

- Bowl sizes 5 in to 13 in
- Flows to 1600 gpm+
- Heads to 1230 ft +
- Enclosed or Open Impellers

Features of the DWT

Discharge Head



Ductile Iron-
Oil Lube head

Column Assembly

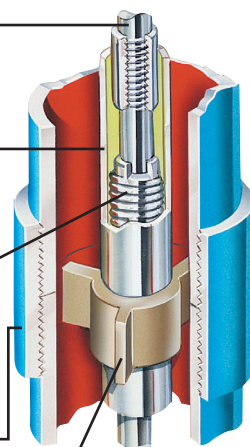
Lineshaft — High strength steel. Ground and polished for exact bearing fit.

Enclosing Tube — Extra heavy steel tubing for positive bearing alignment.

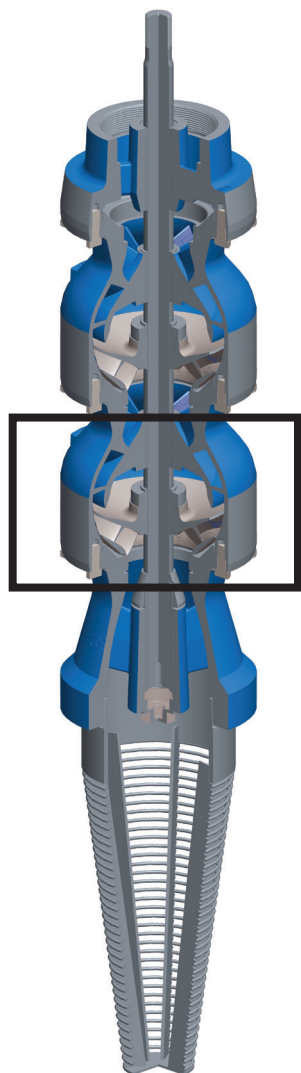
Enclosed Lineshaft Bearings — Bronze Construction – High strength bearing bronze, spiral grooved for positive lubrication.

Column Pipe and Couplings — Parallel thread, accurately machined for easy installation, accurate alignment.

Tube Centering Spider — Stabilizes enclosing tube for smoother operation.



Bronze
Construction



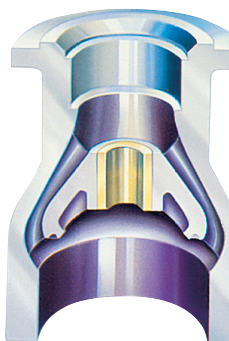
Glass Lined Bowls

Heavy-duty Class 30 cast iron intermediate bowls with standard feature of lined waterways for maximum efficiency and wear protection.

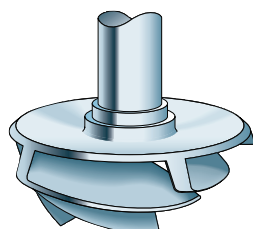


Optional Long Lateral

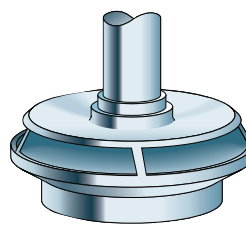
Long lateral adjustment for maximum setting capabilities. Available in some sizes.



Impellers



Semi-Open Impeller



Closed Impeller

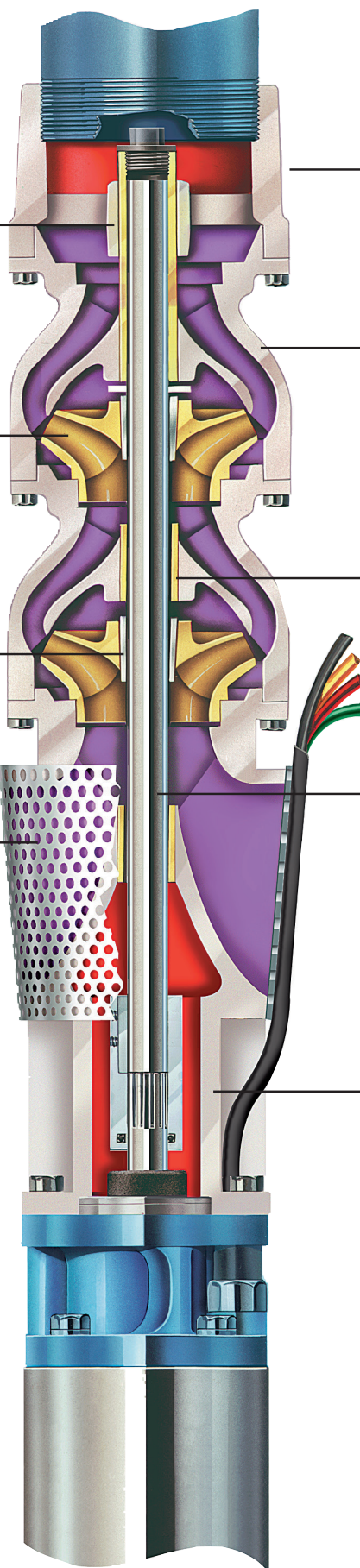
Features of the VIS

Discharge Bearing - Extra long top protected bronze bearing insures positive shaft alignment and stabilization for extended life.

Impellers - Designed for maximum efficiency with wide range hydraulic coverage. Precision balanced for smooth operation.

Lock Collets - Accurately machined to insure positive locking of impeller to pump shaft.

Suction Inlet - Contoured for smooth flow entrance. Protected by an oversized stainless steel strainer to prevent entrance of damaging solids.



Discharge Bowl - Several discharge sizes available for NPT or flanged connection

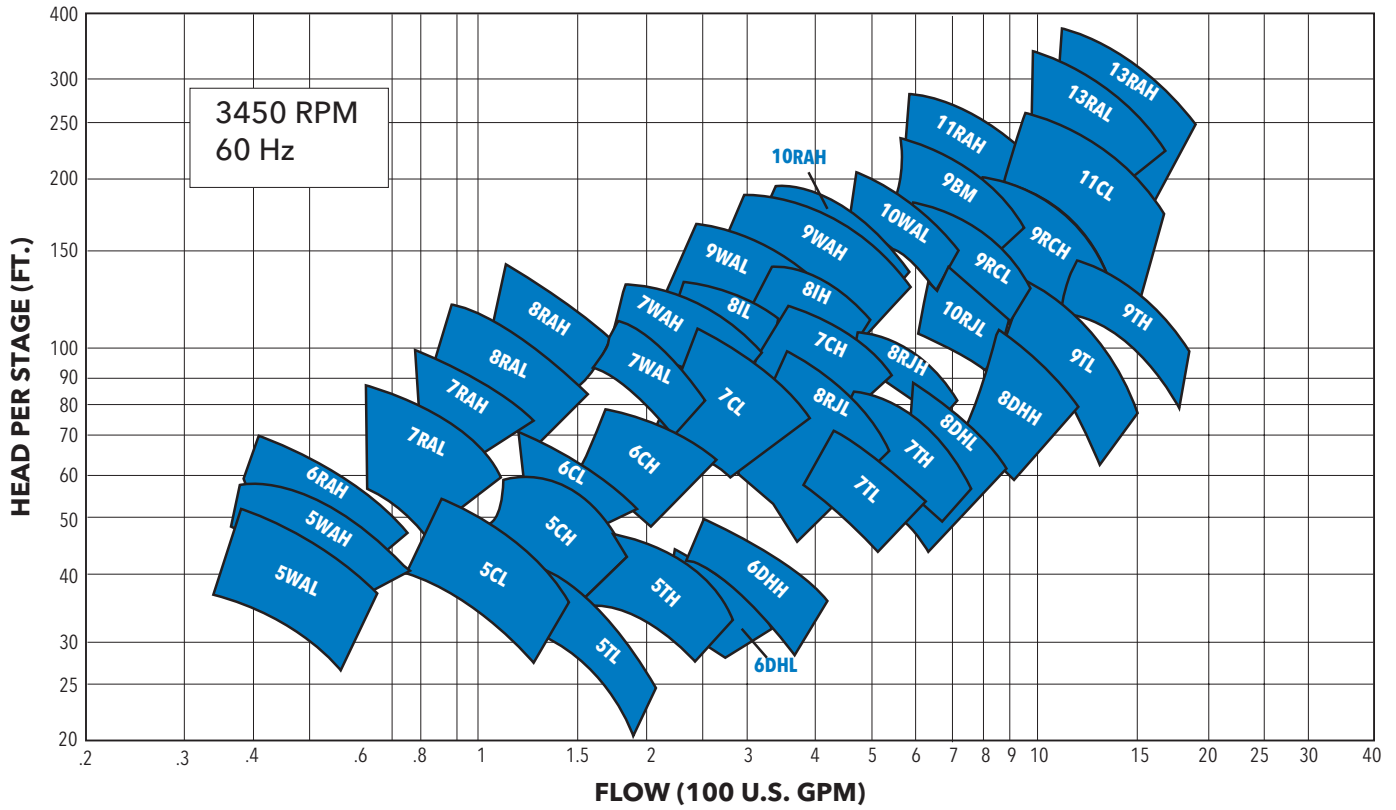
Intermediate Bowl - Close grained Class 30 cast iron. Water passage glassed for maximum efficiency and abrasion resistance.

Intermediate Bowl Bearings - Reliable long life bronze or rubber bearing.

Pump Shaft - 100,000 PSI high tensile stainless steel provides strength and excellent corrosion resistance.

Suction Adapter - Ductile iron provides for increased strength and positive motor alignment. Open area permits easy access to pump/motor coupling.

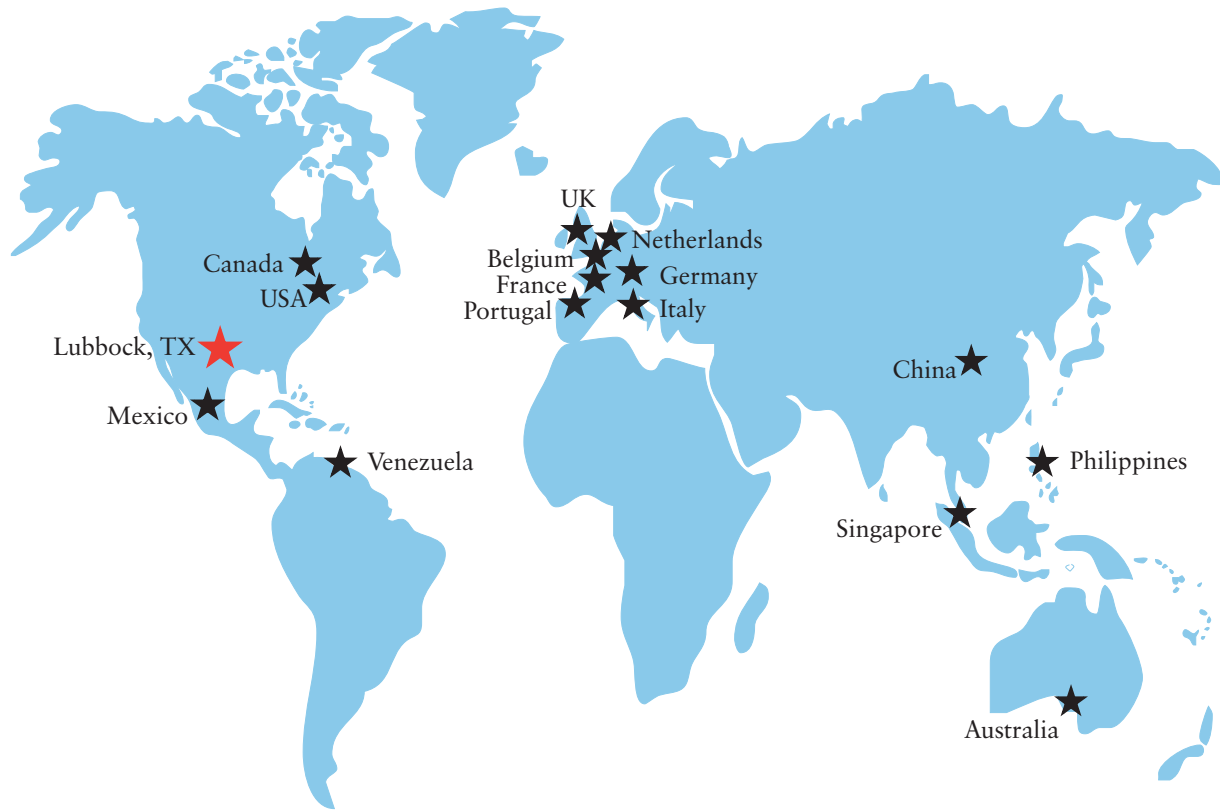
Submersible



Drives and Controls

Aquavar® pump controllers, including the Intelligent Pump Controller and Aquastart from CentriPro, combines over 20 years of variable speed pumping experience with industry leading hardware platforms. Aquavars are designed specifically by hydraulic engineers with advanced pump protection features for precise control of speed, pressure, flow and level over a wide range of submersible and above ground applications. An Aquavar controller pairs with a VIS or DWT pump to assure maximum efficiency and output.





Goulds Water Technology, headquartered in Seneca Falls, New York, designs, manufactures and services pumps, motors and accessories for industrial, agricultural, municipal, commercial and residential markets. Our sales offices and manufacturing facilities are located worldwide.

Goulds Water Technology is a brand of Xylem, Inc., the world's largest and premier pump manufacturer, and offers the most complete range of pumps available.

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