



4810 Series SVT Submersible Vertical Turbine



Flows to: 4,800 GPM
Heads to: 1,250 Feet
Temperatures to: 104°F

SERIES 4810

MODEL SVT

SUBMERSIBLE VERTICAL TURBINE

Sizes: 4" to 12" Discharge

Bowls: 5" to 15" Diameter

Flows: To 4,800 GPM

Heads: To 1,250 Feet

Temp: To 104°F

Services:

Raw Water Intake

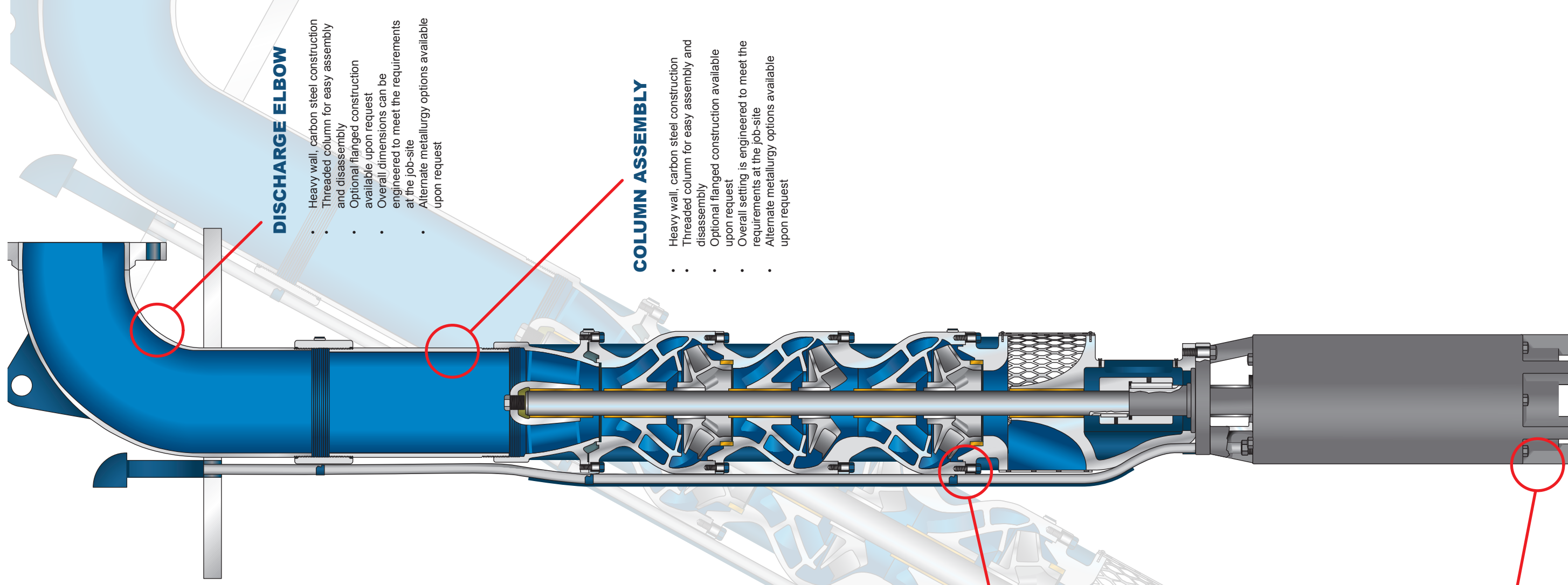
Sea Water

Industrial Process

Condenser Circulating

Irrigation & Drainage

Municipal Water Supply



DISCHARGE ELBOW

- Heavy wall, carbon steel construction
- Threaded column for easy assembly and disassembly
- Optional flanged construction available upon request
- Overall dimensions can be engineered to meet the requirements at the job-site
- Alternate metallurgy options available upon request

COLUMN ASSEMBLY

- Heavy wall, carbon steel construction
- Threaded column for easy assembly and disassembly
- Optional flanged construction available upon request
- Overall setting is engineered to meet the requirements at the job-site
- Alternate metallurgy options available upon request

BOWL ASSEMBLY

- Supplied standard in ASTM A48 class 30 cast iron with vitreous enamel interior lining
- Heavy wall thickness for corrosion allowance and high pressure applications
- Includes investment cast, 304 stainless steel, single suction impellers
- Ductile iron submersible motor bracket with integral 304 stainless steel strainer to protect the bowl assembly
- Optional bowl and impeller wear rings upon request
- Francis impeller design allows for broad band, high efficiency performance
- Impellers are machined and dynamically balanced prior to assembly
- 4-16 stainless steel bowl steel shaft is stronger than standard carbon steel and has superior corrosion resistance
- Keyed impeller construction for high pressure applications upon request
- Bronze bowl bearings with a wide variety of other materials upon request
- All stages feature o-ring construction making sure no leakage is present
- Discharge case supplied standard in ASTM A536 ductile iron
- Alternate metallurgy options available upon request

MOTOR

- NEMA submersible motor available in 4, 6, 8, 10, 12, 14 & 16 inch sizes
- Submersible bracket has NEMA face for easy assembly



How It All Began EFFICIENCY BY DESIGN

With years of manufacturing experience, Ameriflo has spent considerable time developing what the customer has asked for. The most diverse hydraulic offering in the vertical turbine markets with an emphasis on pump efficiency and systems integration. Ameriflo manufactures all product type in a wide variety of standard and optional materials offering you the solution you need.

Ameriflo is a global manufacturer of integrated systems with facilities located in several countries and has clients in over 80 countries. The corporate manufacturing headquarters is located in Tennessee, along with a very large testing and training facility for distributor and representative training.

Ameriflo uses computational fluid dynamics (CFD) and 3D Solids Works for designing all pumps and systems with detail for all valves, suction & discharge piping and any installed optional accessories specified by the end user. Electric and Diesel engine driven systems are available and can be ordered in a variety of flows and pressures with full optional metallurgy support.

Product Line

The benefit to the Ameriflo offering is that you only need to go to one place for your product line needs. Whether your need is an end suction pump, a large split case or even a vertical turbine Ameriflo has a model for you. Each product line has a very diverse offering from the very small to the very large and everything in between. Do not rely on other manufacturers who have broken product lines with missing models.

Ameriflo also has state-of-the-art engineered customer service.

www.ameriflo-usa.com



The applications engineering part of Ameriflo have decades of engineering and specification work. This background and experience is critical when the design engineer is looking for answers to questions.

Ameriflo has one of the largest test facilities in North America with nearly 300,000 gallons of water utilizing 8 different test loops from 2 inch through 36 inch. The horizontal and vertical test labs have ratings up through 1,000 HP and include string test stands allowing testing with the job motor or Diesel engine.

Communication Is The Key To Our Success

Ameriflo has systems in place making communication with our clients of the utmost priority. Each client has their own customer portal that will allow them to check on all quotations, sales orders and any client case that is generated. These tools put the power in the hands of the client and allow them access to the most current information. This access empowers our clients to respond to their customers in a more timely fashion and secure that next opportunity!

Ameriflo also has a dedicated

theater used for sales and service training. This theater can house approximately 35 students and is used to cover the Ameriflo pump and Diesel engine product lines. Schools are available to sales people and dedicated service schools are also offered. Service schools feature a hands on portion allowing students to disassemble and re-assemble pumps and/or Diesel engines to allow for certified repairs in the field. Contact Ameriflo to inquire about the next school and how you can join in these events.

Ameriflo also has a state-of-the-art software selection package with full configuration, **Ameriflo IQ**, that can be used by simply signing up. E-mail us for additional information.

If you would like more information about what Ameriflo is all about, please contact us.

What separates Ameriflo from the competition, **WE DELIVER.....**

Ameriflo Corporation

125 Morrison Road
Rossville, TN 38066
Phone: (888) 301-6311
www.ameriflo-usa.com

support@ameriflo-usa.com

4810 SVT Submersible Vertical Turbine
07/01/2023 Revision 1A