



4770 Series ST Submersible Turbine



Flows to: 1,148 GPM
Heads to: 952 Feet
Temperatures to: 104°F

SERIES 4770

MODEL ST

CLOSE-COUPLED SUBMERSIBLE TURBINE

Sizes: 1.25" to 6" Discharge

Flows: To 1,148 GPM

Heads: To 952 Feet

Temp: To 104°F

Services:

**Fire Protection
Water Well**

EXTERIOR SHELL

- Supplied standard in 304 stainless steel
- Optional 316 stainless steel construction available upon request

LOWER PUMP HOUSING

- Supplied standard in 304 stainless steel
- Optional 316 stainless steel construction available upon request
- NEMA motor connection allowing the use of 4, 6, 8 & 10 inch motors from a variety of submersible motor manufacturers
- Integral strainer protects the pump assembly from debris that may be present in the pumped fluid

TOP END BELL

- Supplied standard in 304 stainless steel
- Optional 316 stainless steel construction available upon request
- Internal, heavy duty, non-spinning, spring loaded stainless check valve protects the pump from reverse rotation and water hammer
- Threaded NPT connection for easy system connection

IMPELLER/DIFFUSER STACK

- Supplied standard in 304 stainless steel
- Optional 316 stainless steel construction available upon request
- Impellers and diffusers are designed for maximum efficient
- Wide variety of bearing construction based on fluid and application
- Oversized and heavy duty 420 stainless steel shaft designed for unplanned loads

COUPLING

- NEMA splined motor shaft connection for easy assembly and disassembly

DRIVER

- Pump motor bracket is designed for a standard, stocked NEMA motor
- Wide variety of motor enclosures available including ODP, TEFC
- IEC motors available upon request



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 submersible 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.....**

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