



3210 Series SAG Vertical Sump



Flows to: 7,000 GPM
Heads to: 730 Feet
Temperatures to: 250°F

SERIES 3210

MODEL SAG

VERTICAL SUMP

Sizes: 1" to 8" Discharge
Flows: To 7,000 GPM
Heads: To 730 Feet
Temp: To 250°F

Services:

Cooling Water
Raw Water Intake
Sea Water
Industrial Process
Condenser Circulating
Process
Municipal Water Supply
Rendering Facilities

SUPPORT COLUMN BEARINGS

- Bearing housing supplied standard in ASTM A48 class 30 cast iron
- Heavy duty bronze bearing for shaft support
- Optional external flush for aggressive applications
- Alternate metallurgy options available upon request

DRIVER

- Motors are available in ODP, TEFC and Explosion-Proof designs
- Readily available and stocked
- NEMA C-Face design using modular design and common components

THRUST STAND & SOLEPLATE

- Supplied standard in ASTM A48 class 30 cast iron
- Grease lubricated thrust bearing housing to withstand all axial thrust allowing the use of a standard, stocked NEMA C-Face motor
- Optional oil-lubricated thrust bearing housing for high axial thrust applications
- Soleplate can be supplied for simplex or duplex orientations
- Optional man hole covers available upon request

FLOAT SWITCH

- Many options for liquid level control
- Can be supplied in standard or explosion proof enclosures

SUPPORT COLUMN

- Heavy wall, carbon steel construction
- Flanged column for easy assembly and disassembly
- 4-16 stainless steel shaft is stronger than standard carbon steel and has superior corrosion resistance
- Heavy duty lineshaft bearings with integral 304 stainless steel lineshaft sleeve
- Optional external flush to all bearings below the surface plate
- Overall length (OAL) is engineered to meet the requirements at the job-site
- Alternate metallurgy options available upon request

CASING

- Supplied standard in ASTM A536 ductile iron
- Heavy wall thickness for corrosion allowance and high pressure applications
- Axially split to permit complete access to the rotating assembly
- Alternate metallurgy options available upon request

IMPELLER

- Supplied standard in investment cast, 316 stainless steel
- Hydraulically balanced, semi-open design for process applications and solids passing requirements
- Francis design allows for hydraulically balanced design with broad band, high efficiency performance
- Machined and dynamically balanced prior to assembly

STRAINER

- Not supplied for applications where solids are present and intended to be pumped by unit
- Optional and can be supplied basket design in galvanized steel, all bronze, all 304 or all 316 stainless steel construction
- Protects the bowl assembly from large solids that may be present in the pumped fluid

DISCHARGE COLUMN

- Heavy wall, carbon steel construction
- Flanged column for easy assembly and disassembly
- Pump discharge fluid is kept separate from support column stopping contamination when pumping aggressive fluids
- Overall length (OAL) is engineered to meet the requirements at the job-site
- Alternate metallurgy options 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 vertical sump 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

3210 SAG Vertical Sump
07/01/2023 Revision 1A