



**4610 Series
AEG
Flex-Coupled
ANSI Process End Suction**



**Flows to: 7,000 GPM
Heads to: 730 Feet
Temperatures to: 700°F**

SERIES 4610

MODEL AEG

SINGLE STAGE FLEX-COUPLED ANSI PROCESS END SUCTION

Sizes: 1" to 8" Discharge
Flows: To 7,000 GPM
Heads: To 730 Feet
Temp: To 700°F

Services:

Cooling Water
Raw Water Intake
Sea Water
Industrial Process
Condenser Circulating
Petro-Chemical
Mining
Municipal Water Supply

POWER FRAME

- Complete back pull-out assembly allows for very easy servicing of the complete assembly
- Industry exclusive micrometer adjustment on power frame to easily dial back factory running clearances in less than 30 seconds
- Oil lubricated for maximum bearing life
- Designed for a minimum 50,000 hour bearing life using single row deep groove inboard and double row outboard bearings provide superior axial and radial support
- Each bearing housing is protected from containments by using bearing isolators at every location where the shaft enters or exits the power frame
- Grease lubrication optional upon request
- Modular design allowing only four (4) power frames to be used across the entire hydraulic offering

CASING

- Supplied standard in ASTM A536 ductile iron
- Fully meets ANSI B73.1M standard dimensions
- Heavy wall thickness for corrosion allowance and high pressure applications
- Axially split to permit complete access to the rotating assembly
- Centerline discharge allows for self-venting casing
- Fully cast integral feet for system piping support
- Internal flush plan for mechanical seal lubrication
- Alternate metallurgy options available upon request

ROTATING ASSEMBLY

- Includes investment cast, 304 stainless steel, single suction, semi-open impeller
- Modular design maximizes the sharing of common components
- 316 stainless steel shaft sleeves completely protect the shaft from wear and corrosion
- Component mechanical seals and/or single or double cartridge mechanical seal in Carbon-Silicon/Carbide with Viton elastomers supplied upon request

SHAFT ASSEMBLY

- 420 stainless steel shaft is stronger than standard carbon steel and has superior corrosion resistance
- Integral bearing isolators at inboard and outboard locations to provide maximum protection to the power frame assembly

REAR COVER

- Supplied standard in ASTM A536 ductile iron
- Heavy wall thickness for corrosion allowance and high pressure applications
- Cast with heavy cross section to resist torsional flex
- Houses the seal chamber
- Small bore & large bore seal chambers based on job-site requirements
- Optional packing for aggressive and abrasive applications

IMPELLER

- Supplied standard in investment cast, 316 stainless steel
- Hydraulically balanced, semi-open design for process applications
- Francis design allows for hydraulically balanced design with broad band, high efficiency performance
- Machined and dynamically balanced prior to 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 ANSI end suction 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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4610 AEG ANSI Process End Suction
07/01/2023 Revision 1A