AMERIFLO

4820 Series
MF
Mixed Flow

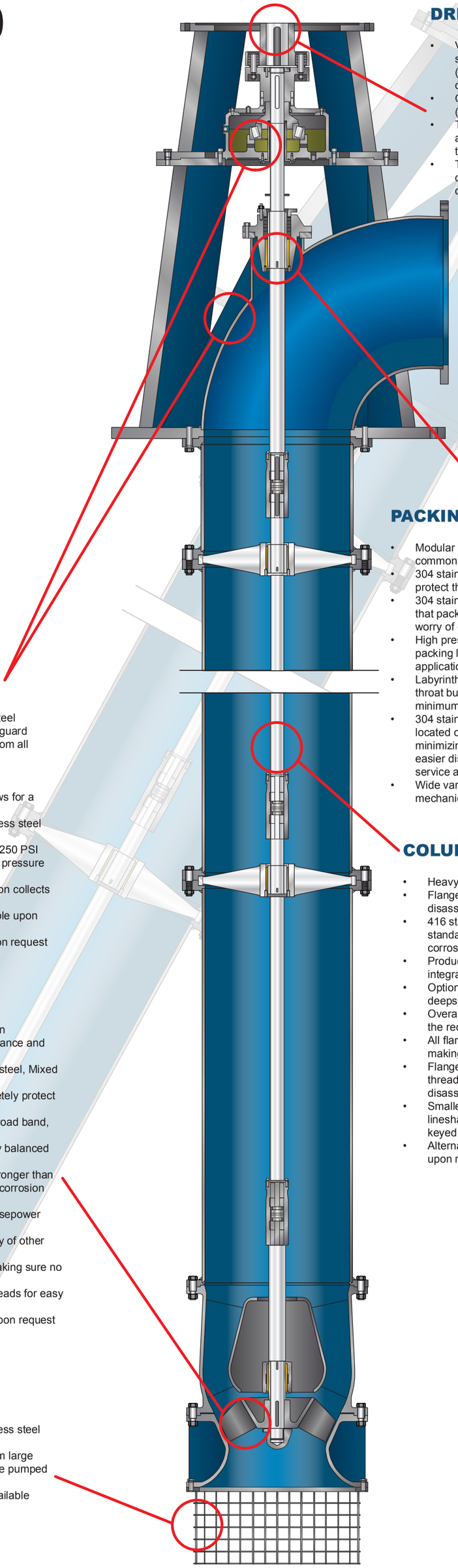
Flows to:	180,000 GPM
Heads to:	200 Feet
Temperatures to:	250ºF

SERIES 4820
MODEL MF
MIXED FLOW

Sizes: 12” to 96” Discharge
Bowls: 16” to 64” Diameter
Flows: To 180,000 GPM
Heads: To 200 Feet
Temp: To 250°F

Services:

- Cooling Water
- Raw Water Intake
- Sea Water
- Industrial Process
- Condenser Circulating
- Irrigation & Drainage
- Flood Control
- Municipal Water Supply
- Flood Control



DISCHARGE HEAD

- Supplied standard in ASTM A36 carbon steel
- All discharge heads feature a dual safety guard designed to completely protect the user from all rotating parts
- Available in an above base or below base construction
- Dedicated support for the nameplate allows for a high visibility design
- Discharge gauge package with 304 stainless steel buffer tube, fittings and ball valves
- Discharge flanges supplied in 125 PSI or 250 PSI rating with flat face or raised face for high pressure applications
- Integral drip basin with threaded connection collects all packing leakage
- Optional oil lubricated thrust stand available upon request
- Alternate metallurgy options available upon request

BOWL ASSEMBLY

- Supplied standard in ASTM A48 cast iron
- Heavy wall thickness for corrosion allowance and high pressure applications
- Includes investment cast, 304 stainless steel, Mixed Flow impellers
- 304 stainless steel shaft sleeves completely protect the shaft from wear and corrosion
- Mixed Flow impeller design allows for broad band, high efficiency performance
- Impellers are machined and dynamically balanced prior to assembly
- 416 stainless steel bowl steel shaft is stronger than standard carbon steel and has superior corrosion resistance
- Keyed impeller construction for high horsepower applications
- Bronze bowl bearings with a wide variety of other materials upon request
- All stages feature o-ring construction making sure no leakage is present
- Flanged construction with jackscrew threads for easy assembly and disassembly
- Alternate metallurgy options available upon request

STRAINER

- Supplied standard in 304 stainless steel construction
- Protects the bowl assembly from large solids that may be present in the pumped fluid
- Alternate metallurgy options available upon request

DRIVER

- Vertical holloshaft (VHS), vertical solid shaft (VSS) or right angle gear drive (RAG)(when Diesel engine driven) driver construction
- Options include non-reverse ratchet (NRR) or self release coupling (SRC)
- Thrust bearing designed to carry all axial thrust generated by vertical turbine bowl assembly
- The top adjusting nut (VHS orientation) allows for the adjustment of lateral

PACKING HOUSING KIT

- Modular design maximizes the sharing of common components
- 304 stainless steel shaft sleeves completely protect the shaft from wear and corrosion
- 304 stainless steel gland assemblies ensure that packing can be adjusted without the worry of corrosion
- High pressure bypass port minimizes packing leakage on high pressure applications
- Labyrinth style design for lower and upper throat bushings keep pressure losses at a minimum
- 304 stainless steel shaft sleeve nuts are located outside of the fluid chamber minimizing corrosion and allowing for an easier disassembly when the need for service arises
- Wide variety of component or cartridge mechanical seal available upon request

COLUMN ASSEMBLY

- Heavy wall, carbon steel construction
- Flanged construction makes assembly and disassembly very easy
- 416 stainless steel shaft is stronger than standard carbon steel and has superior corrosion resistance
- Product lubricated lineshaft bearings with integral 304 stainless steel lineshaft sleeve
- Optional enclosed lineshaft option for deepset and/or abrasive protection
- Overall length (OAL) is engineered to meet the requirements at the job-site
- All flanges feature o-ring construction making sure no leakage is present
- Flanged construction with jackscrew threads for easy assembly and disassembly
- Smaller HP models feature threaded lineshaft couplings while larger sizes have keyed lineshaft couplings standard
- Alternate metallurgy options available upon request

AMERIFLO
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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 are engineered customer service.

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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