

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