

# SERIES 4830

## BOWL

## ASSEMBLY

### AXIAL FLOW

**Bowls:** 16” to 72” Diameter  
**Flows:** To 220,000 GPM  
**Heads:** To 50 Feet  
**Temp:** To 250°F

**Services:**

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

**BOWL ASSEMBLY**

- Supplied standard in ASTM A48 cast iron
- Heavy wall thickness for corrosion allowance
- Includes investment cast, 304 stainless steel, Axial Flow impellers
- 304 stainless steel shaft sleeves completely protect the shaft from wear and corrosion
- Axial Flow impeller design allows for broad band, high efficiency performance
- Propellers are machined and dynamically balanced prior to assembly
- 4340 quenched and tempered high chrome steel shaft is stronger than standard carbon steel and has superior corrosion resistance
- Keyed impeller construction for high horsepower applications
- Bronze bowl bearings
- Flanged construction with jackscrew threads for easy assembly and disassembly
- Alternate metallurgy options available upon request

**LINESHAFT COUPLINGS**

- Smaller HP models feature threaded lineshaft couplings while larger sizes have keyed lineshaft couplings standard
- Alternate metallurgy options available upon request

**BOWL SHAFT**

- Oversized, 4340 quenched and tempered high chrome steel shaft is stronger than standard carbon steel and has superior corrosion resistance
- All impellers and bowl shaft sleeves are keyed to lock parts to the shaft assembly
- Unique shaft sleeve design with bowl shaft locknut and lockwasher does not require axial key at each impeller location

**STRAINER**

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