

SERIES 3024

MODEL EV

SINGLE STAGE

VERTICAL-INLINE END SUCTION

Sizes: 2" to 14" Discharge
 Flows: To 9,000 GPM
 Heads: To 450 Feet
 Temp: To 350°F

Services:

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

CASING

- Supplied standard in ASTM A48 class 30 cast iron
- Heavy wall thickness for corrosion allowance and high pressure applications
- Suction and discharge on same vertical centerline
- Axially split to permit complete access to the rotating assembly
- Casing assembly design features pry bar locations to aid in the casing top removal
- Cast integral, vortex suppressor at impeller eye designed to reduce vortexing of fluid prior to it entering the impeller eye
- Threaded taps for gauges and pressure relief valve
- Dedicated cast base for proper casing support
- Internal flush plan for packing or mechanical seal lubrication
- Suction & discharge gauge package with 304 stainless steel buffer tube, fittings and ball valves
- Suction and discharge flanges supplied in 125 or 250 PSI rating for high pressure applications
- Alternate metallurgy options available upon request

C-FACE MOTOR

- Complete back pull-out assembly allows for very easy servicing of the complete assembly
- Motors are available in ODP, TEFC and Explosion-Proof designs
- Readily available and stocked
- NEMA 56C to 449TC design using modular design and common components

SHAFT ASSEMBLY

- 420 stainless steel shaft is stronger than standard carbon steel and has superior corrosion resistance
- Designed and sized specifically for the aggressive fire protection markets

CASE WEAR RINGS

- Supplied in standard bronze or other specified alloy
- Case wear rings are renewable which will renew factory running clearances and performance

ROTATING ASSEMBLY

- Includes investment cast, 304 stainless steel, single suction impeller
- Modular design maximizes the sharing of common components
- 304 stainless steel shaft sleeves completely protect the shaft from wear and corrosion
- Packing, component, single cartridge and/or double cartridge mechanical seals can be supplied upon request

IMPELLER

- Supplied standard in investment cast, 304 stainless steel
- Francis design allows for hydraulically balanced design with broad band, high efficiency performance
- Machined and dynamically balanced prior to assembly

