

# SERIES 5010

## MODEL ES

### FLEX-COUPLED END SUCTION

Sizes: 1.5" to 5" Discharge  
Flows: 50 GPM to 2,000 GPM  
Heads: 40 PSI to 185 PSI  
Temp: To 250°F

**Services:**  
Fire Protection



#### POWER FRAME

- Supplied standard in class 30 cast iron
- 4340 quenched and tempered high chrome steel shaft is stronger than standard carbon steel and has superior corrosion resistance
- Purge grease lubrication allows for new grease to be supplied to the bearings while having the old grease be purged into the interior of the power frame
- Metal breather makes sure that the power frame has adequate ventilation to stop condensation from forming on the interior of the housing
- 7300 series, angular contact inboard and outboard bearings provide superior axial and radial support compared to other competitors that use deep groove ball bearings
- Inboard & outboard lip seals are provided to keep containments out of the power frame assembly

#### REAR COVER

- Supplied standard with graphite braided packing
- Internal flush port ensures that the 304 stainless steel lantern ring has adequate lubrication provided to the packing
- Investment cast, 304 stainless steel gland assembly and shaft sleeve as standard construction
- Shaft deflector provided to stop packing leakage from entering power frame assembly
- Stuffing box basin has drilled and tapped drain for connection to waste

#### COUPLING GUARD

- 304 stainless steel coupling guard provides complete safety from the entire packing gland assembly
- Easily removable for packing adjustment or replacement

#### CASING

- Supplied standard in ASTM A536 ductile iron
- Heavy wall thickness for corrosion allowance and high pressure applications
- Cast integral feet provide support when the back pull out assembly is removed during maintenance
- Self-venting, centerline discharge does not require air release valve
- Cast integral vortex suppressor on suction inlet designed to reduce vortexing of fluid prior to it entering the impeller eye
- Threaded taps for gauges and pressure relief valve
- Suction & discharge gauge package with 304 stainless steel buffer tube, fittings and ball valves
- Suction and discharge flanges supplied in 250 PSI rating with raised face for high pressure applications

#### IMPELLER

- Supplied standard in investment cast, 304 stainless steel
- Machined and dynamically balanced prior to assembly
- Back pump out vanes remove debris from stuffing box and reduce axial thrust

#### CASE WEAR RING

- Supplied standard in bronze or other specified alloy
- Wear ring can be easily removed and replaced to renew factory running clearances