



The AMERIFLO end suction product line has a very diverse hydraulic, third party certified coverage. With third party certified flows from 50 GPM through 2,000 GPM, the end suction product line is perfectly suited for installations where lower flows are needed. State of the art design and manufacturing techniques allow AMERIFLO to offer a diversity in available products. The use of computational fluid dynamics and solid works software generates a design that is highly efficient and has a very compact foot-print.

All product is designed using 3D modeling to make the most efficient use of space at the job site. These products are fully compliant with NFPA 20 and are available in a variety of third party certified materials for sea water applications.



TYPICAL INSTALLATIONS:

- Residential buildings
- Commercial
- Hospitals
- Hotels
- Schools & colleges
- Airports
- Office buildings

TYPICAL APPLICATIONS:

- Water curtains
- Sprinkler
- Monitor systems
- Water curtains



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

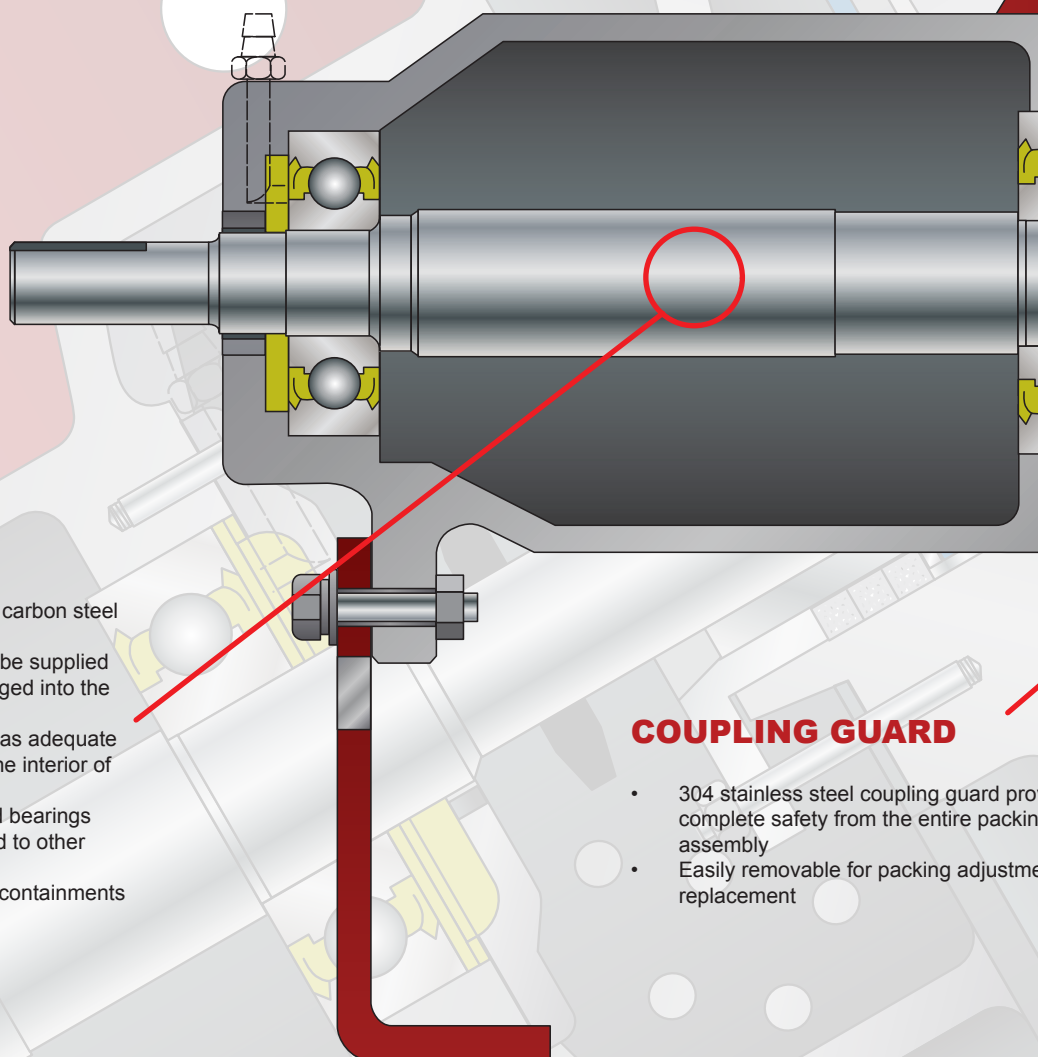
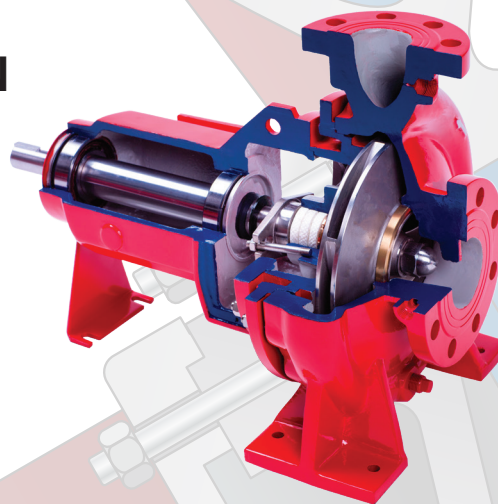


POWER FRAME

- Supplied standard in class 30 cast iron
- 420 stainless 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 g
- Internal flush port ensure
- steel lantern ring has ade
- to the packing
- Investment cast, 304 stai
- and shaft sleeve as stan
- Shaft deflector provided t
- from entering power fram
- Stuffing box basin has dr
- connection to waste



COUPLING GUARD

- 304 stainless steel coupling guard pro
- complete safety from the entire packing
- assembly
- Easily removable for packing adjustme
- replacement

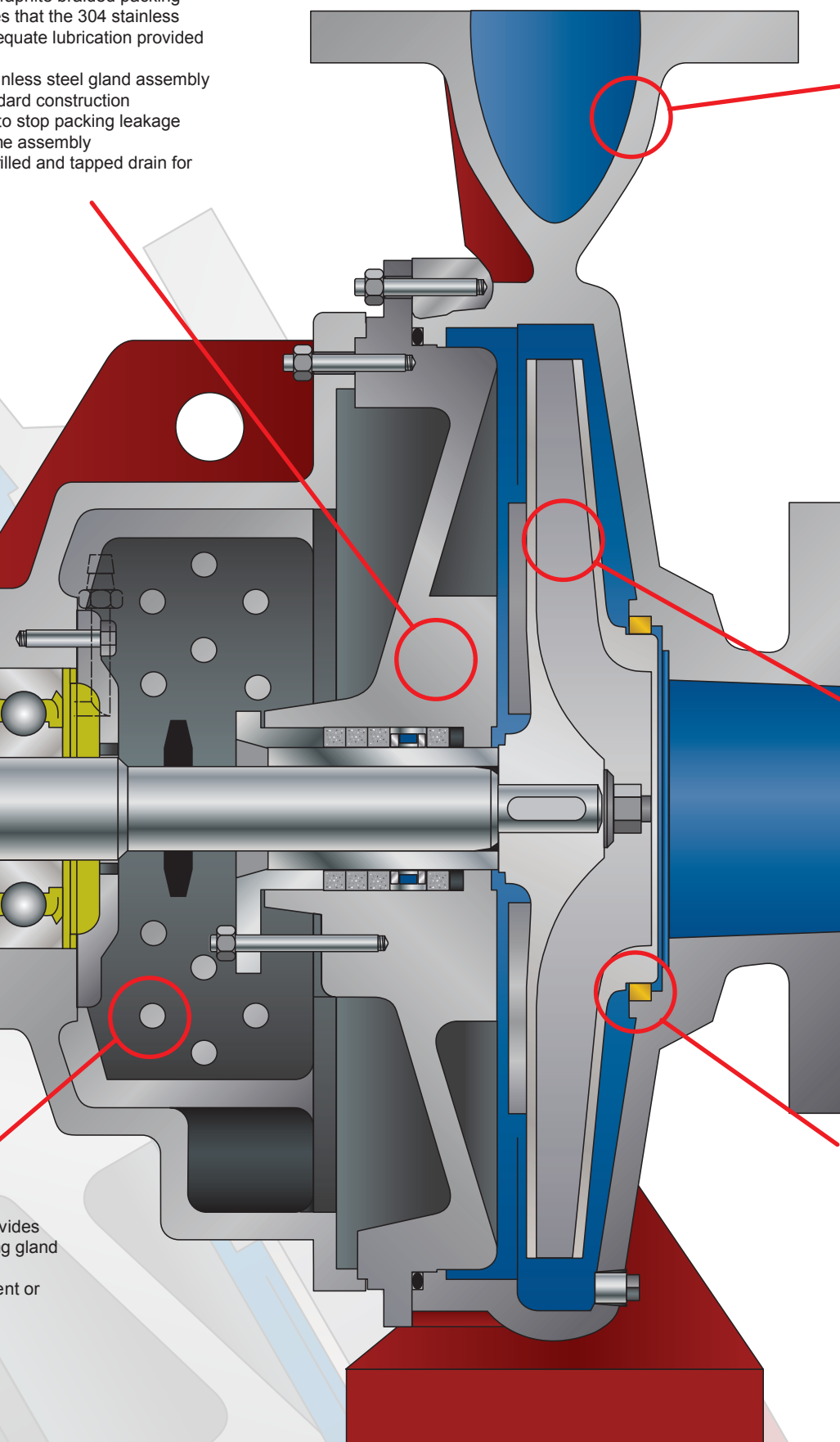


AMERIFLO
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graphite braided packing
s that the 304 stainless
equate lubrication provided

304 stainless steel gland assembly
standard construction
to stop packing leakage
the assembly
filled and tapped drain for

vides
g gland
ent or



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

