AMERIFLO

MODEL

SERIES 5030 SC(2) WO-STAGE SPLIT CASE



The AMERIFLO two-stage split case product line was designed for the most aggressive, high pressure fire protection markets found throughout the world today. With third party certified flows from 500 GPM through 1,500 GPM, you will not find a more complete, high pressure offering anywhere in the world. Pressures up through 610 PSI are available with one of the most hydraulically efficient, double volute two-stage split case models available from any manufacturer. A unique Aegis buffer system minimizes pressures on the second stage stuffing box.

With state of the art global design and manufacturing facilities, AMERIFLO uses computational fluid dynamics and solid works software to design the most efficient product available today with the lowest documented horsepower.





TYPICAL INSTALLATIONS:

- Residential buildings
- Commercial
- Hospitals
- Hotels
- Oil & gas
- Airports
- Power stations
- Sea water

TYPICAL APPLICATIONS:

- Water curtains
- Sprinkler
- Monitor systems
- Water curtains



SERIES 5030 MODEL SC(2)

TWO-STAGE
FLEX-COUPLED SPLIT CASE

Sizes: 4" to 6" Discharge

Flows: 500 GPM to 1,500 GPM

Heads: 262 PSI to 610 PSI

Temp: To 250°F



- 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



Fire Protection





CASE WEAR RINGS

- Supplied in standard bronze or other specified alloy
- Case wear rings are renewable which will renew factory running clearances and performance
- Pinned at the centerline to prevent rotation during operation

SINGLE POINT DRAIN

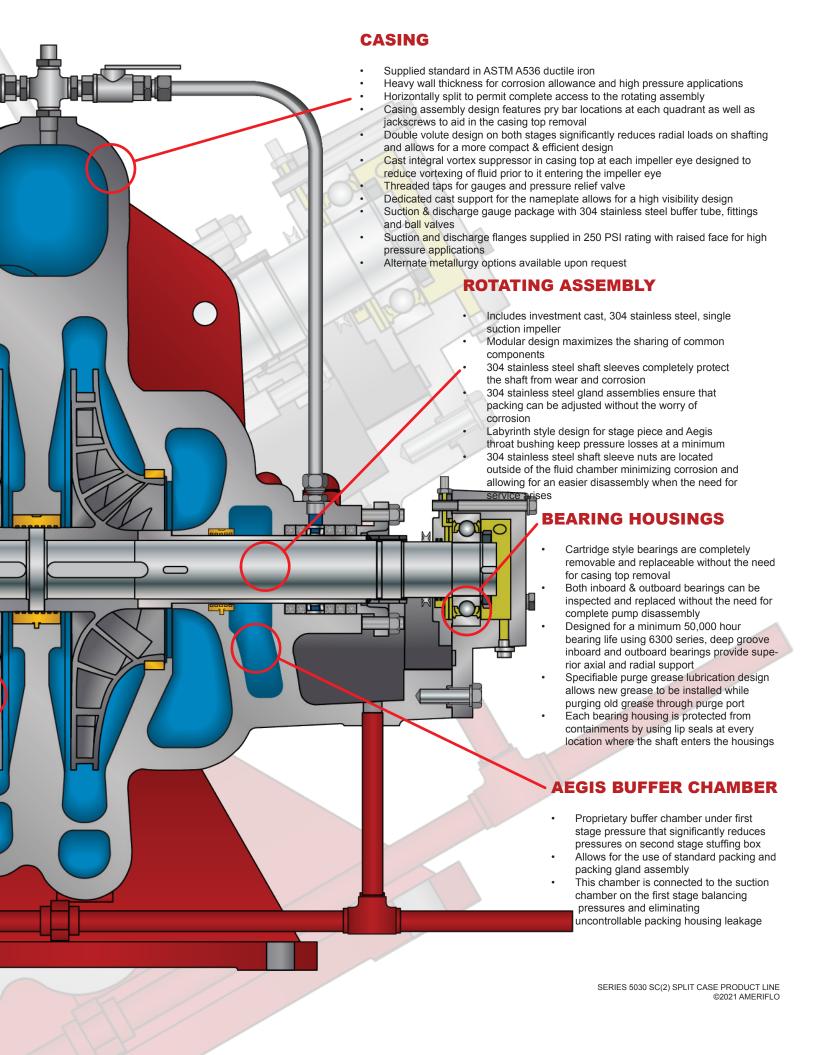
 Both packing housing chambers have preplumbed drain connected and routed to a single point for ease in collection of fluid

IMPELLER

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



AMERIFLO 4034 Mint Way, Dallas, TX 75237 www.ameriflo-usa.com





ELECTRIC & DIESEL DRIVEN SPLIT CASE

SERIES 5030 SC(2) TWO-STAGE SPLIT CASE

Flush plan features all 304 stainless steel tubing and valves to control packing leakage

Impellers are opposed creating a hydraulically balanced rotating assembly keeping bearing sizes smaller

Shaft assemblies are constructed out of 420 stainless steel

Heavy duty ribbed, ductile iron casing with double volute on both stages for high efficiency operation

Every casing assembly features pry-bar locations and jackscrews to aid in pump disassembly

Investment cast, 304 stainless steel impellers with heavy duty bronze case wear ring allows for renewable factory running clearances

Single point drain connection simplifies the collection of packing leakage

All pump models have 304 stainless steel buffer tube and valves for mounting of glycerin filled suction and discharge gauges

Heavy duty ductile iron casing with 250# raised face flanges with drilled and tapped gauge connections at suction and discharge location

