

MARINE AND INDUSTRIAL Centrifugal Pumps



AMPCO MARINE AND INDUSTRIAL PUMPS

HEAVY-DUTY, HIGH-PERFORMANCE CENTRIFUGAL PUMPS

K SERIES / Z SERIES / R SERIES / IC+ SERIES

ALLOYS

Ampco offers pumps in nickel aluminum bronze, 316 stainless steel and Duplex 2205 stainless steel construction. All three alloys are in stock and available for delivery in one week. Ampco application engineers will help select the right alloy for your application.

NICKEL ALUMINUM BRONZE – Z, K, R

- Corrosion/erosion resistance to saltwater is far superior to stainless steel or standard bronzes
- Cost effective material for saltwater, brackish water and waste water
- The U.S. Navy has been using CDA958 in saltwater applications for over 40 years
- Ampco's K, Z and R series pumps have been used on most of the U.S. Army's reverse osmosis systems since the 1980's

316 STAINLESS STEEL – Z, K, R

- High resistance to corrosion from many chemical solutions

DUPLEX 2205 – Z

- Recommended for saltwater applications with higher salinity (over 35,000 ppm), higher temperatures, and high concentration of hydrogen sulfides (such as pumping from a deep seawater well)
- Superior resistance to effects of cavitation
- Strong resistance to wear from abrasive media such as diatomaceous earth or ethanol



REVERSE OSMOSIS AND DESALINIZATION

AMPCO PUMPS ARE COMMONLY USED IN DIFFICULT APPLICATIONS IN WASTEWATER AND DESALINIZATION INDUSTRIES.

Ampco's line of nickel aluminum bronze, and Duplex 2205 pumps are ideally suited for salt water, brackish water, and waste water applications. These alloys offer exceptional corrosion and erosion resistance.

Military around the world have used these pumps for over 60 years, along with many commercial applications aboard ships, reverse osmosis, and desalination systems.

Ampco pumps are available close-coupled or frame-mounted.



Marine Market
F998 Compliant



MARINE AND INDUSTRIAL CENTRIFUGAL PUMPS

- Heavy-wall construction with tight manufacturing tolerances
- High-efficiency design with fully-shrouded, dynamically-balanced impellers
- Close-coupled on JM, 56J, IEC frame motors
- ABS (American Bureau of Shipping) Type Approved, unit certification available.
- Capacities from 5-3000 GPM, 1-680 m3/h
- Marine Market F998 Compliant



K SERIES

Available in: Nickel Aluminum Bronze, 316 Stainless Steel

- Inlet pressure up to 150 psi, 10 bar
- Temperatures up to 225°F, 105°C
- Multiple seal options
- Enclosed impellers
- Close-coupled to NEMA or IEC motor



Z SERIES

Available in: Nickel Aluminum Bronze, 316 Stainless Steel, DUPLEX 2205

- Inlet pressure up to 175 psi, 12 bar
- Temperatures up to 250°F, 120°C
- Multiple seal options
- Internal seal flush
- Replaceable wear rings
- Close-coupled to NEMA or IEC motor
- ZCH2 8X6 available in bearing frame only



R SERIES

Available in: Nickel Aluminum Bronze, 316 Stainless Steel

- Self-priming up to 25 ft / 7.6 m
- Inlet pressure up to 175 psi, 12 bar
- Temperatures up to 225° F, 105° C
- Multiple sealing options
- Enclosed impellers
- Closed coupled to NEMA or IEC motor

APPLICATIONS

Commercial saltwater applications / Reverse osmosis / On-board vessels / Engine cooling, condenser cooling, refrigeration and fire pumps / Effluent waste water, brackish water

IC+ SERIES

Available in: 316L Stainless Steel

Ampco's IC+ Series pumps are an adaptation of our popular AC+ sanitary product line. IC+ pumps feature Type 21 seals and standard NPT or flanged connections. These pumps offer a cost effective solution to corrosive applications where cast iron pumps are not successful.

- Cost Effective
- Simple Design
- Internal Type 21 Single Mechanical Seal
- 316L Stainless Steel Construction
- 304 Stainless Steel Adapter
- Dynamically Balanced Impeller
- Multiple Fitting Options – NPT, Flange



APPLICATIONS

Cooling towers / HVAC / Light chemical applications
Car washes / Effluent waste water, brackish water



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