



# Fybroc<sup>®</sup> Fiberglass Pumps



**Full Line Bulletin**

# CECO Fybroc Fiberglass Pumps

THE WORLD'S MOST COMPLETE LINE OF PUMPS FOR HANDLING CORROSIVE AND OTHER DIFFICULT LIQUIDS



## MATERIALS OF CONSTRUCTION

- VR-1, vinyl ester resin - handles vast majority of corrosive applications including most acids, caustics, brines, sea water, and wastewater.
- VR-1 BPO-DMA, vinyl ester resin with BPO-DMA cure system - used to accommodate applications for specific corrosion resistance to bleaches such as sodium hypochlorite (NaOCl) and hydrogen peroxide ( $H_2O_2$ ).
- VR-1A, vinyl ester resin with abrasive resistant material - used for pumping liquids with low concentration highly abrasive fines such as fly ash, diatomaceous earth or titanium dioxide.
- VR-1V, vinyl ester resin with synthetic veil - protection used specifically for flouridic applications such as hydrofluoric acid (HF) and fluosilicic acid ( $H_2SiF_6$ ).
- EY-2, epoxy resin - offers outstanding chemical resistance for aggressive chemical/compounds, acids, ideal for high concentrations of sulfuric acid (up to 98%) and solvents.



## APPLICATIONS

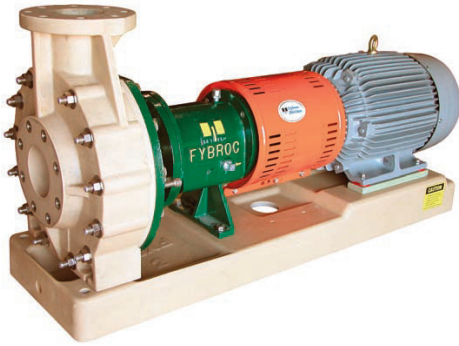
- Abrasive Fines
- Acids
- Bleaches
- Brines
- Caustics
- Seawater
- Solvents
- Wastewater

## MARKETS

- Chemical Process
- Battery
- Electric Utilities
- Pulp & Paper
- Electronics
- Scrubbers
- Aquariums
- Desalination/Water Reuse
- Reverse Osmosis
- Commercial Marine/Navy

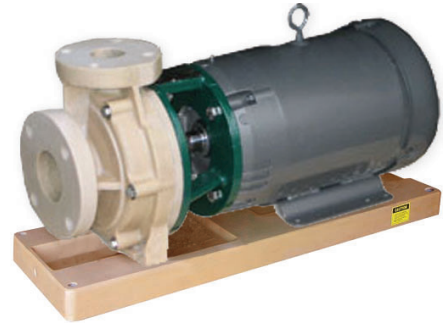
# CECO Fybroc Fiberglass Pumps

## HORIZONTAL ANSI PUMPS



### SERIES 1500 HORIZONTAL PUMPS

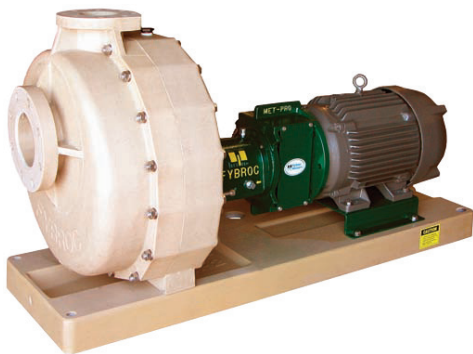
ANSI/ASME B73.1 standard pumps featuring high strength casings with integral flanges are available in nineteen sizes with capacities to 5000 GPM (1140 m<sup>3</sup>/hr) and heads to 400 feet (125 m).



### SERIES 1530 CLOSE COUPLED PUMPS

The space and weight savings of a close coupled pump are combined with the ruggedness of a standard Series 1500 pump. Sixteen sizes with capacities to 1500 GPM (345 m<sup>3</sup>/hr) and heads to 400 feet (125 m).

## SELF-PRIMING PUMPS



### SERIES 1600 SELF-PRIMING PUMPS

These self-primers combine efficiency with excellent priming times. Substantial parts interchangeability with Series 1500 pumps. Available in six sizes with capacities to 1400 GPM (320 m<sup>3</sup>/hr) and heads to 300 feet (95 m).

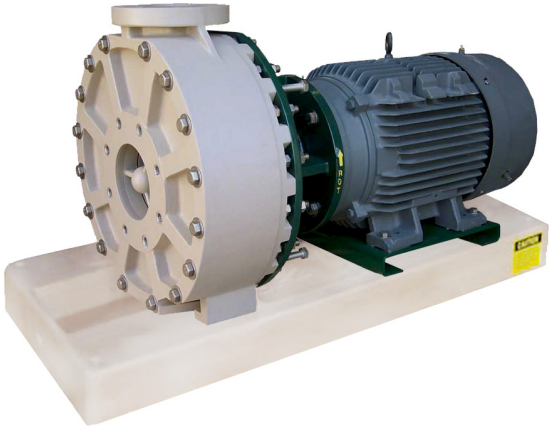


### SERIES 1630 CLOSE COUPLED SELF-PRIMING PUMPS

The benefits of the close-coupled pump are integrated with the features of the Series 1600 pump. Six sizes with capacities to 1400 GPM (320 m<sup>3</sup>/hr) and heads to 300 feet (95 m).

# CECO Fybroc Fiberglass Pumps

## MAG-DRIVE PUMPS



### SERIES 2530 CLOSE COUPLED SEALLESS PUMPS

Available in VR-1, VR-1 BPO-DMA & EY-2 materials with silicon carbide shaft, sleeve bearing and thrust bearings. ANSI/ASME B73.1 dimensions with 3/16" FRP containment can. Ten sizes with capacities to 1,500 GPM (350 m<sup>3</sup>/hr) and heads to 400 feet (125 m). Self-priming configurations are also available.

## VERTICAL PUMPS

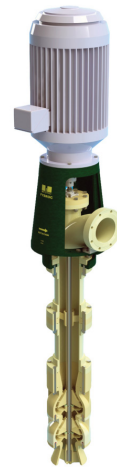
### SUMP



### CANTILEVER



### TURBINE



### SERIES 5500 VERTICAL SUMP PUMPS

Sump pumps are furnished in lengths (settings) from 18 inches to thirty feet with optional tailpipes. Nineteen sizes with capacities to 5000 GPM (1140 m<sup>3</sup>/hr) and heads to 275 feet (85 m).

### SERIES 7500 CANTILEVER SUMP PUMPS

Cantilever pumps are furnished in lengths (settings) from 18 inches to 4 feet with optional tailpipes. Nineteen sizes with capacities to 5000 GPM (1140 m<sup>3</sup>/hr) and heads to 200 feet (65 m).

### SERIES 8500 VERTICAL TURBINE PUMPS

Single and/or multi-stage vertical pump with mixed flow impeller and casing designs furnished in variable pump lengths. Four sizes with capacities to 2250 gpm (510 m<sup>3</sup>/hr) and TDH to 85 feet (26 m) per stage.

Consult Factory for available

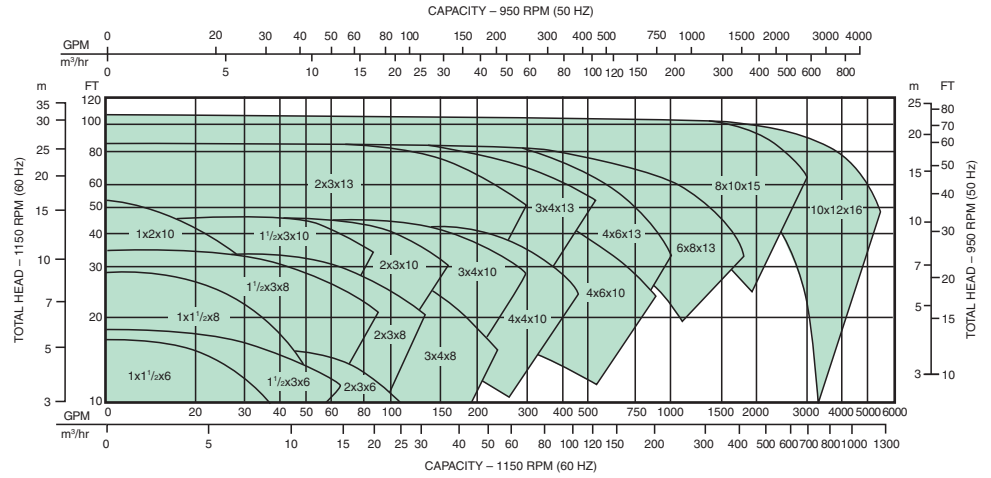
5530 Series Dry Pit Pumps and 7530 Series Close Coupled Cantilever Pumps

# TYPICAL PUMP COVERAGE CHARTS

NOTE: Refer to product bulletins for actual hydraulic coverage of specific models/sizes

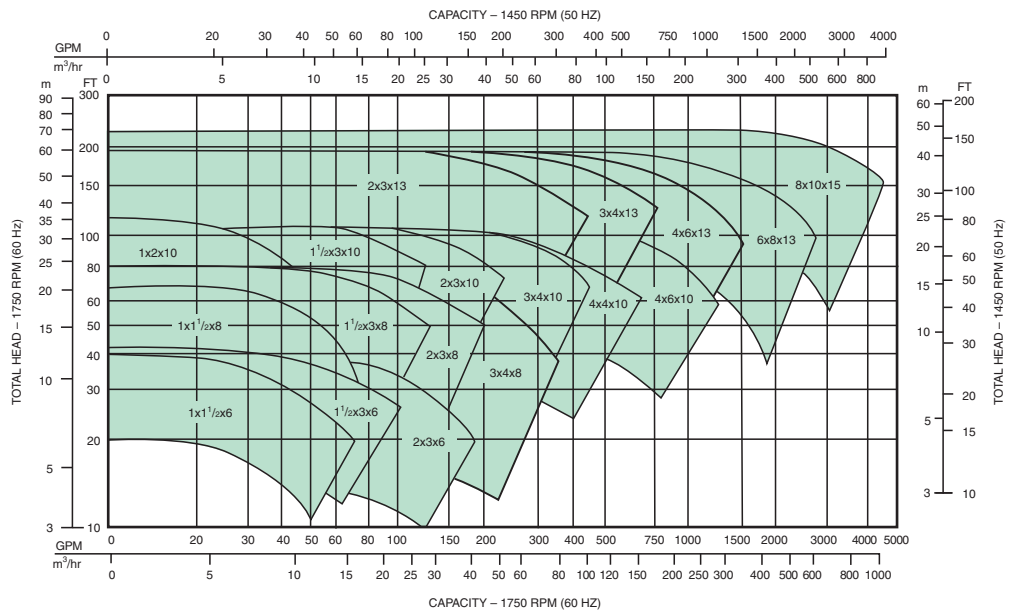
**1150 RPM/60 HZ**

950 RPM/50 HZ



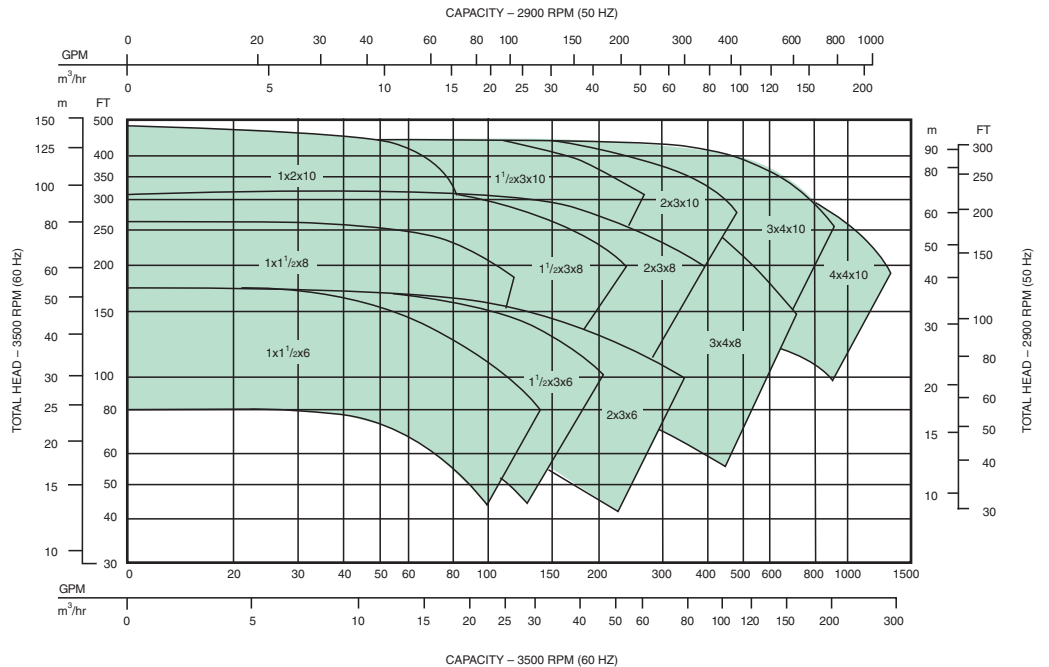
**1750 RPM/60 HZ**

1450 RPM/50 HZ



**3500 RPM/60 HZ**

2900 RPM/50 HZ





## ABOUT CECO ENVIRONMENTAL FLUID HANDLING SOLUTIONS

CECO Environmental is a global leader in air quality and fluid handling in regions around the world providing innovative technology and application expertise to customers across a variety of industries.

Our Fluid Handling Solutions segment combines the resources of our four internationally-recognized, comprehensive lines of high-quality filters and pumps: Dean Pump, Fybroc, Mefiag and Sethco. Our Dean, Fybroc, and Sethco pumps are designed to handle the niches of corrosive, abrasive, or high temperature liquids. These pumps provide excellent performance for tough applications including pumping of acids, brines, caustics, bleaches, seawater, high temperature liquids and a wide variety of waste liquids for a broad range of applications including the chemical, petrochemical, metal finishing, wastewater treatment, desalination and aquarium/aquaculture markets.

Our Fybroc brand is the world leader in design and manufacture of Fiberglass Reinforced Polymer (FRP) pumps. These pumps are available in different materials to provide excellent corrosion resistance for tough applications, including the pumping of acids, brines, caustics, bleaches, solvents, seawater, and a wide range of waste liquids.

### CECO Fybroc

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