

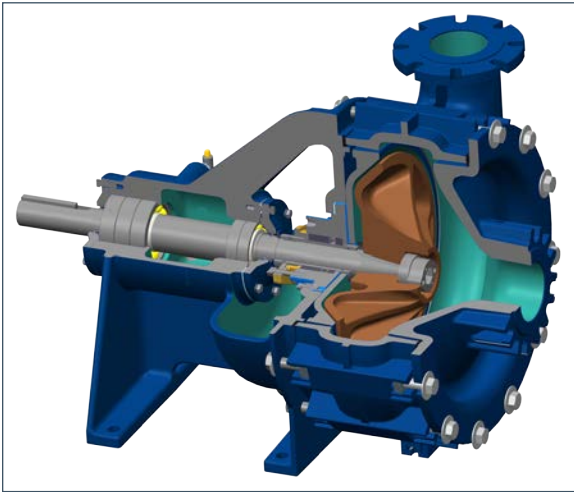
A large, heavily rusted industrial pump assembly, likely a Weir Torque-Flow pump, is shown in a dimly lit tunnel. The pump is mounted on a concrete base and has a vertical shaft extending upwards. The surrounding environment is a concrete tunnel with a light source visible in the background.

WEIR

Weir Specialty Pumps

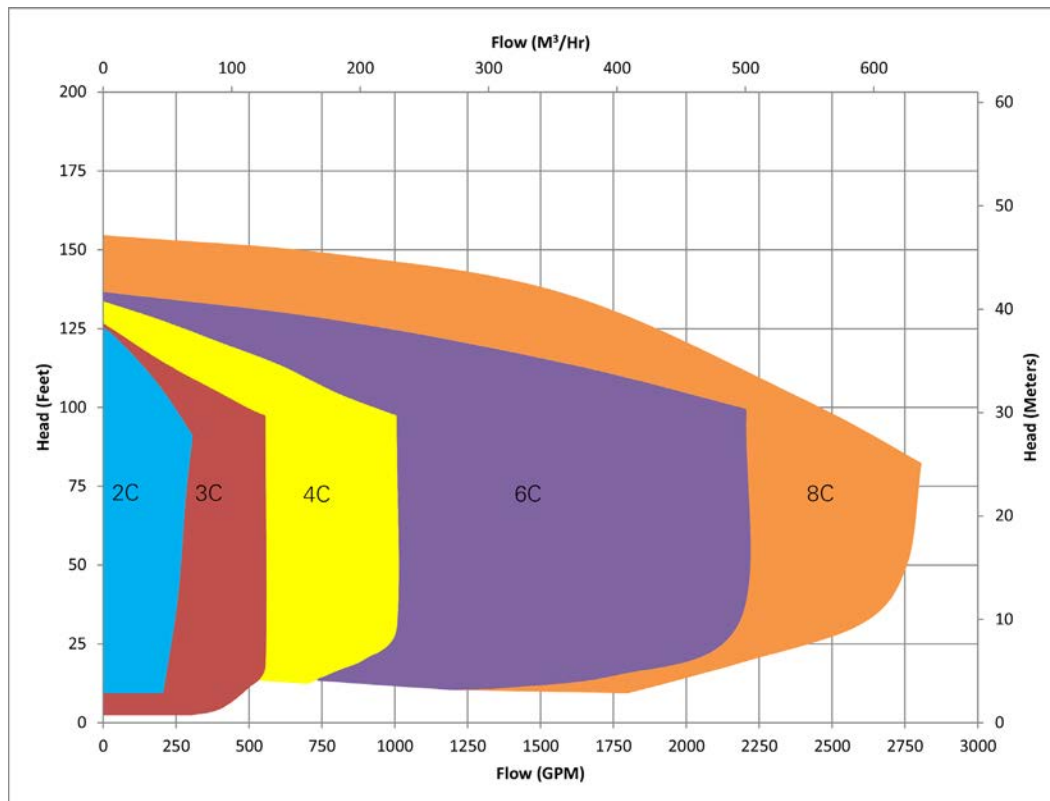
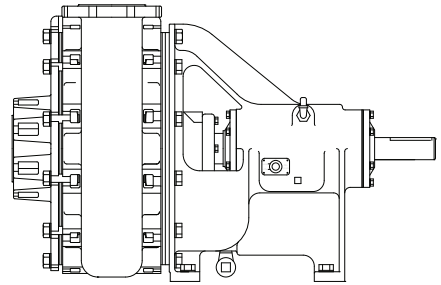
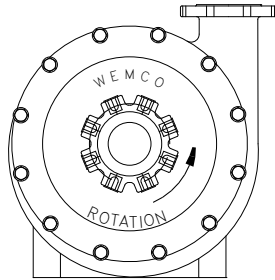
WEMCO® Torque-Flow®

WEMCO® Torque-Flow® Model C



WEMCO® Torque-Flow® Model C

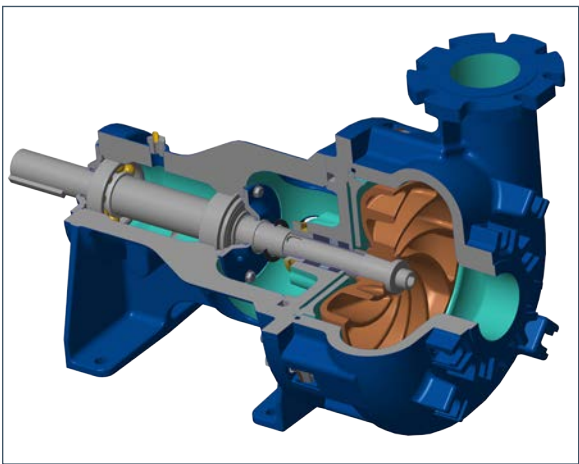
Materials of Construction	Ni-Hard, High Chrome
Configurations	Horizontal
Sealing	Multiple options available
Max Flow	to 2800 GPM (636 m³/hour)
Max Head	to 154 feet (47 m)
Discharge Size	2, 3, 4, 6, 8 inch



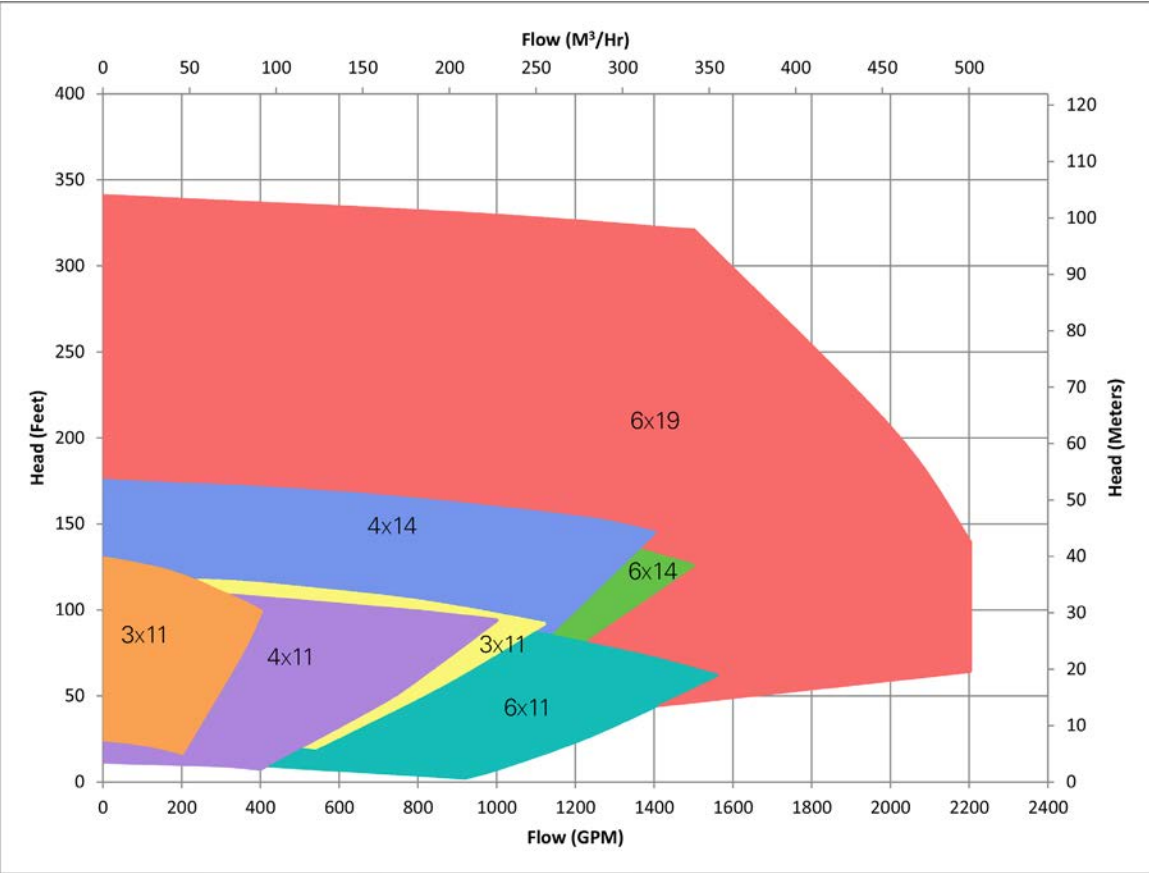
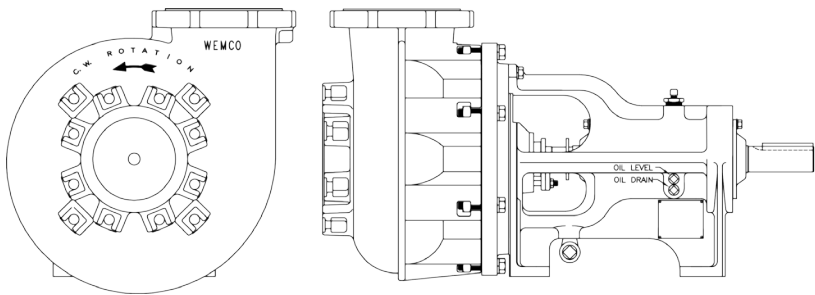
- Wemco®, the preferred name for grit pumping in municipal grit removal applications
- The original recessed impeller pump
- Cupped impeller deflects wear to sacrificial suction piece
- Wet end weights: 3": 360 lbs | 4": 500 lbs | 6": 800 lbs
- Over 100,000 hour L-10 bearing life
- Self-venting case
- CW and CCW rotations available
- Extreme duty grit pump
- High chrome or Ni-hard wet end
- Heavy duty wet end components
- Extra thick on the wear areas
- Extra thick two piece case
- Easily replaceable sacrificial cover plate
- Lugged bolting for fast, easy servicing
- Hydraulic design of cupped impeller minimizes wear and increases performance
- Available with flushless slurry seal
- Pump will pass pipe-sized solids



WEMCO® Torque-Flow® Model CE



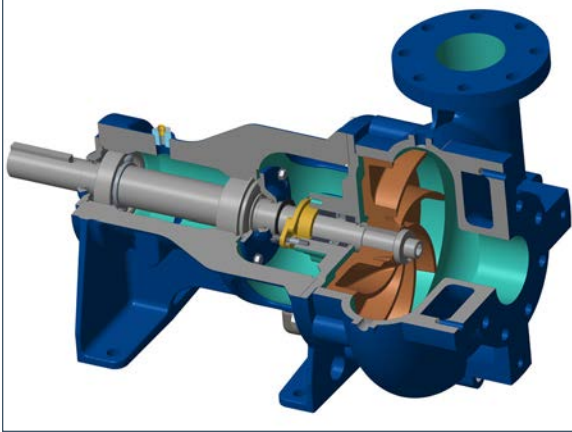
WEMCO® Torque-Flow® Model CE	
Materials of Construction	Ni-Hard, High Chrome
Configurations	Horizontal Vertical Submersible Immersible Cantilever Column
Sealing	Multiple options available
Max Flow	to 2200 GPM (500 m³/hour)
Max Head	to 340 feet (104 m)
Discharge Size	2, 3, 4, 6 inch



- Heavy duty grit pump
- Great for grit laden sludge
- High chrome or Ni-hard wet end
- Rimmed radial vane impeller decreases wear on casing
- Trimmable impeller allows for customizing flow range
- Casing thickness increased in areas of maximum wear
- CEX impeller available for steeper H/Q curve
- Self-venting case



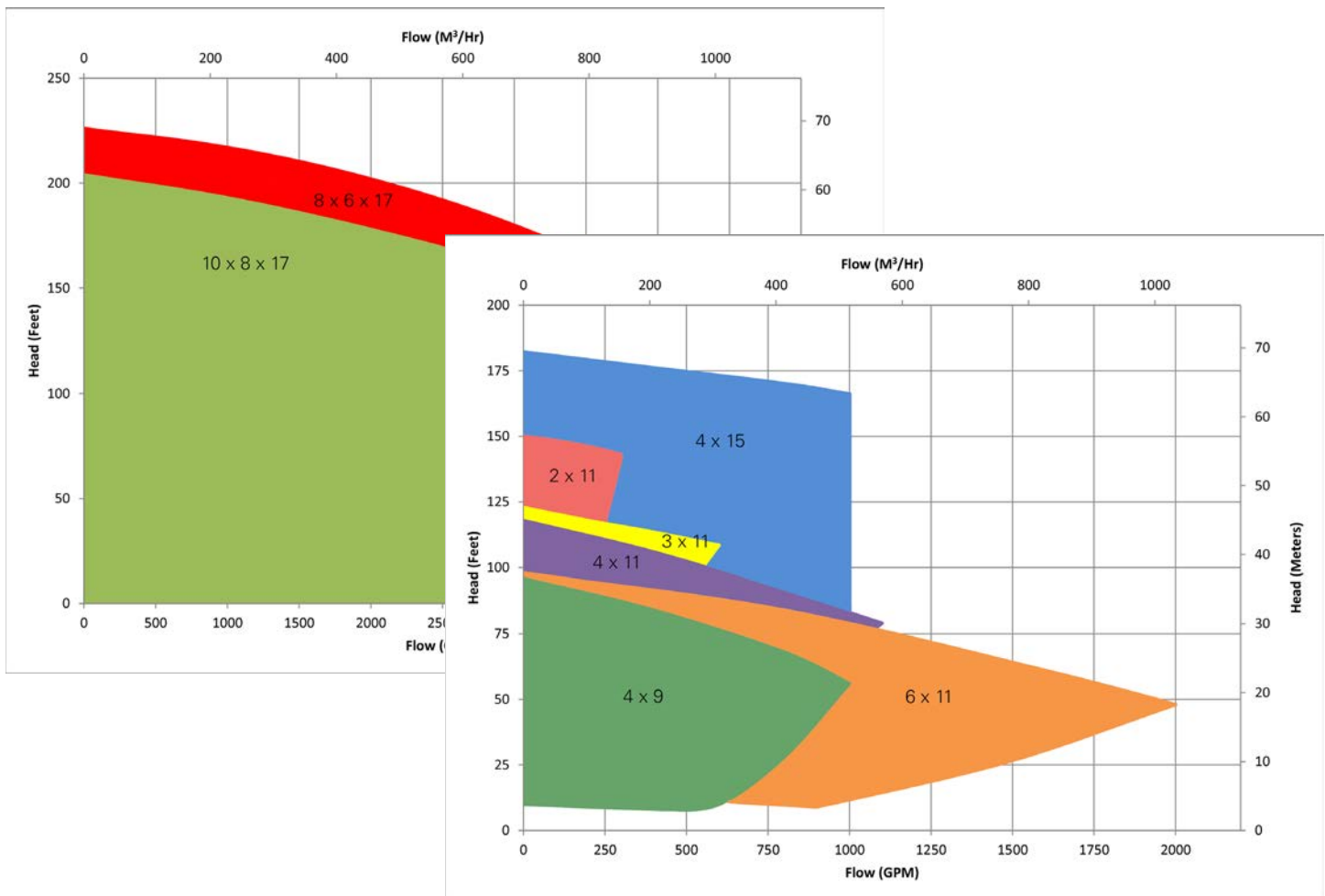
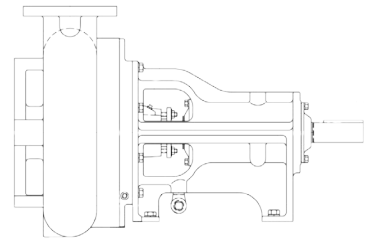
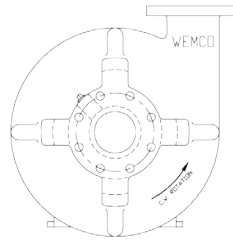
WEMCO® Torque-Flow® Model E



WEMCO® Torque-Flow® Model E

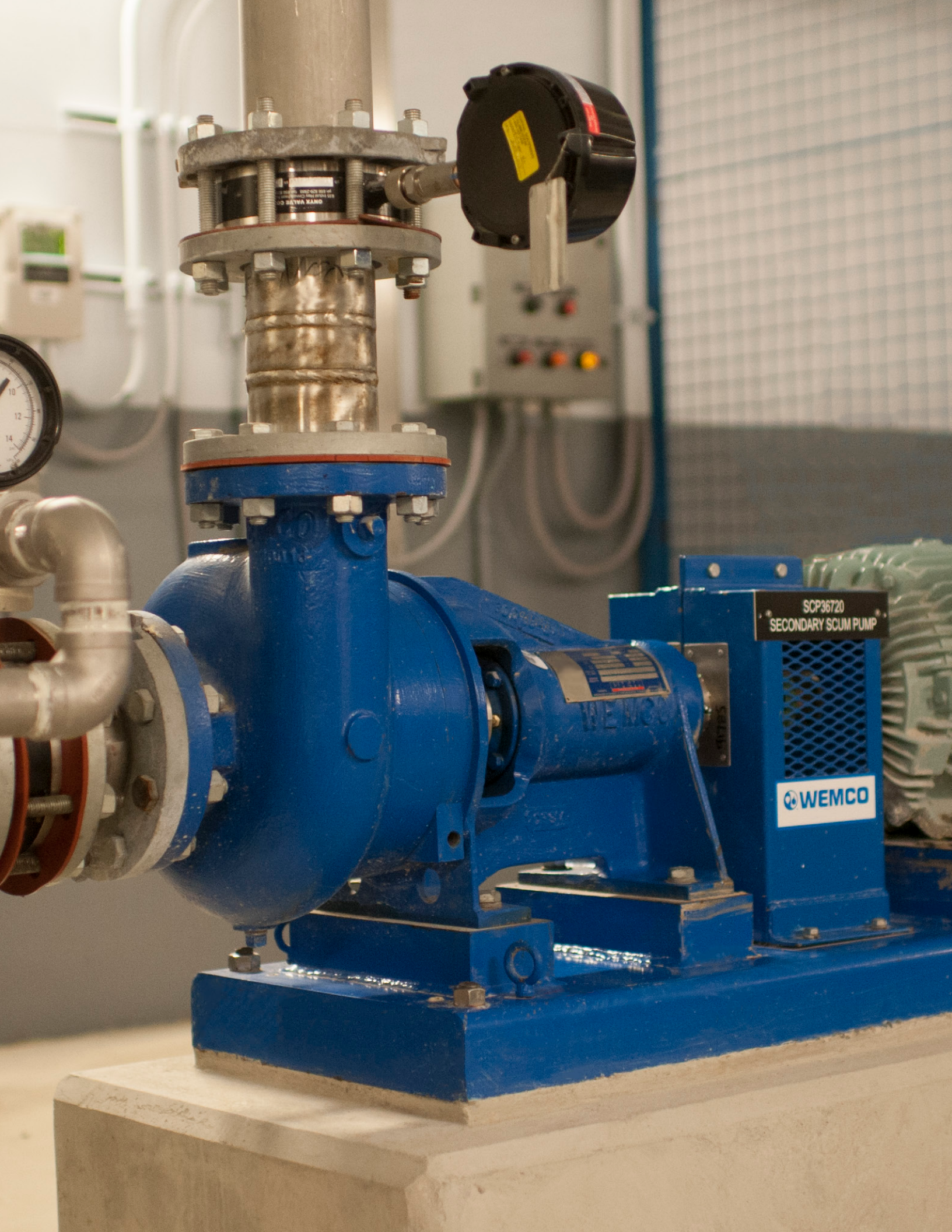
Materials of Construction	Cast Iron, Stainless Steel, *HCl
Configurations	Horizontal Vertical Submersible Cantilever Column
Sealing	Multiple options available
Max Flow	4500 GPM (1022 m³/hour)
Max Head	226 feet (69 m)
Discharge Size	2, 3, 4, 6, 8 inch

*HCl available in some configurations



- Vortex impeller pump for large soft solids
- Passes large, soft solids without plugging
- Economical yet still heavy duty
- Radial vane recessed impeller

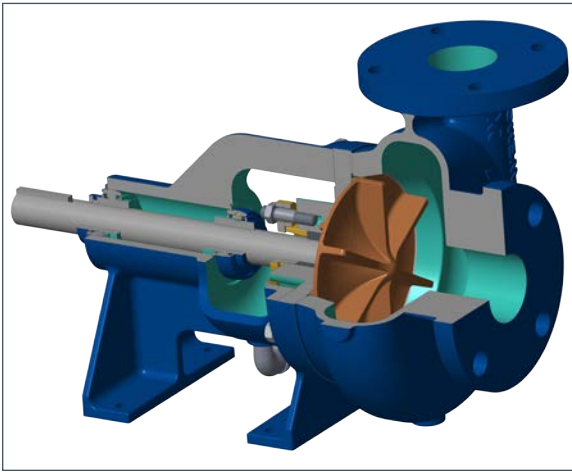
- Trimmable impeller
- CW and CCW rotations available
- Best suited for low flows with large solids



SCP36720
SECONDARY SCUM PUMP

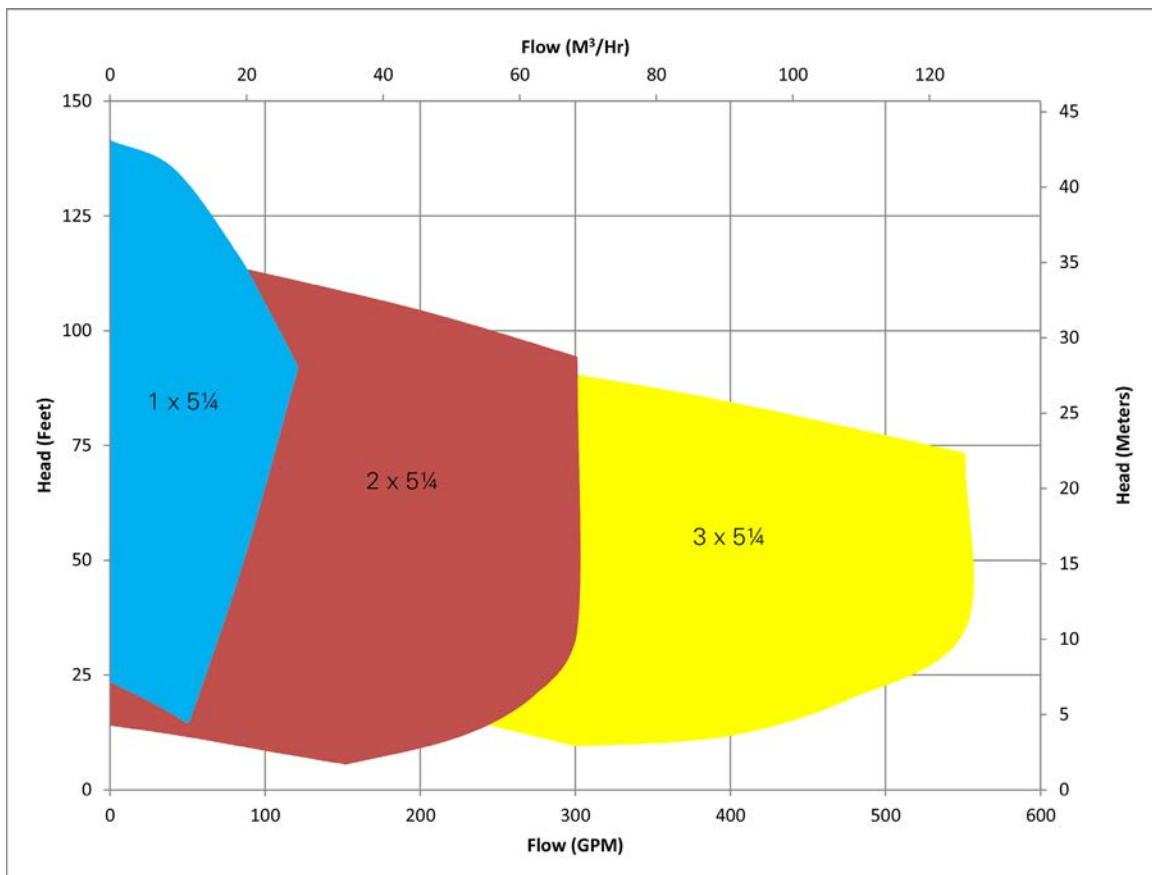
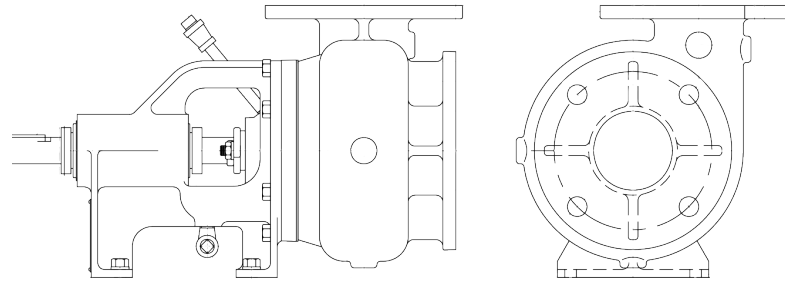
WEMCO

WEMCO® Torque-Flow® Model EL

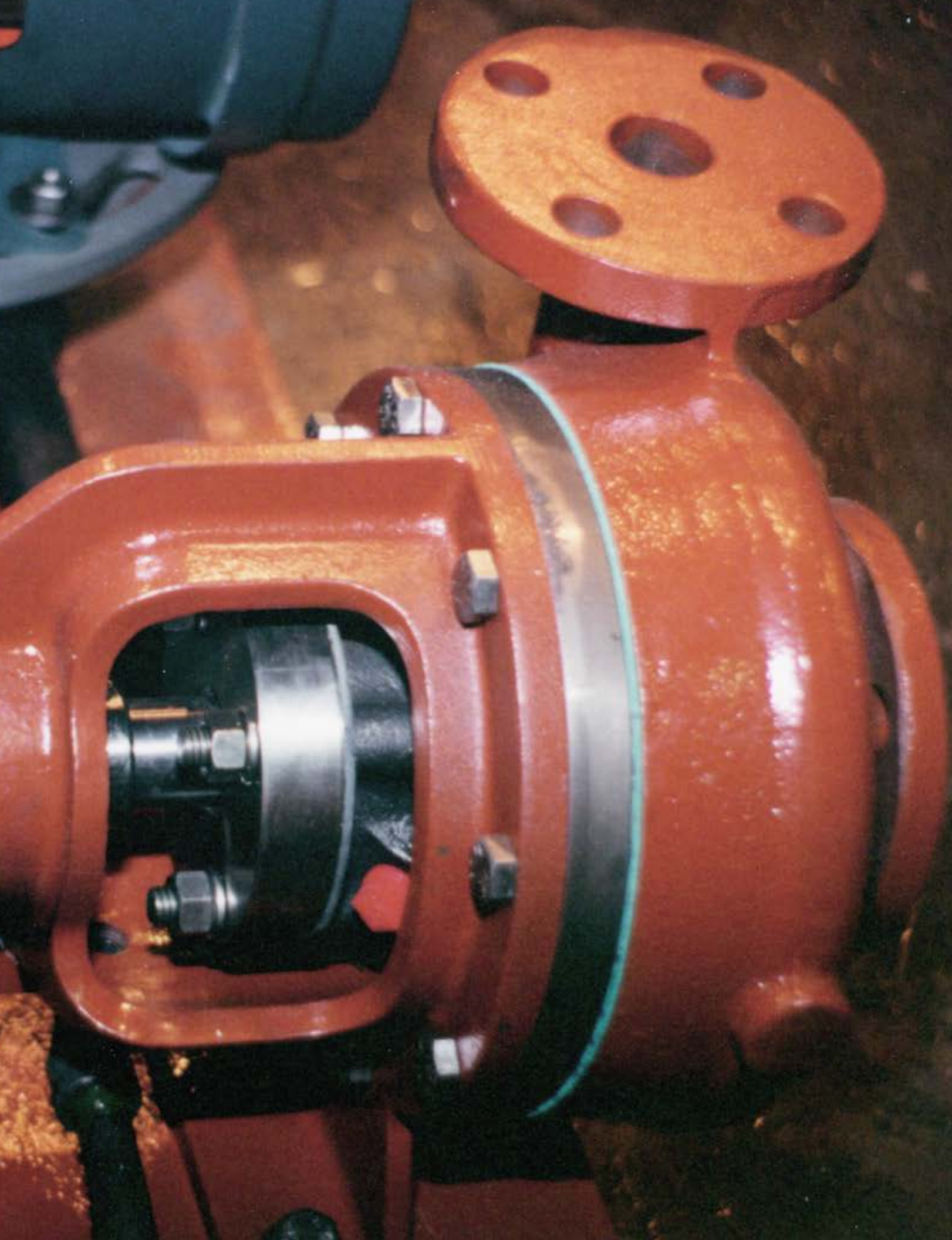


WEMCO® Torque-Flow® Model EL

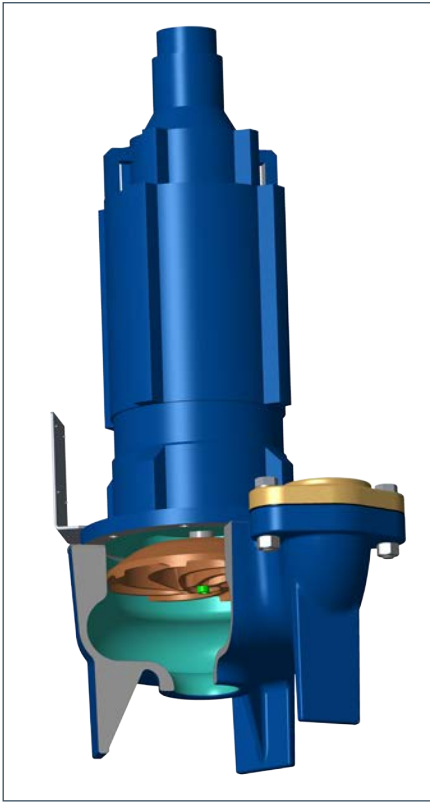
Materials of Construction	Cast Iron, Stainless Steel
Configurations	Horizontal
Sealing	Packing Component seals
Max Flow	to 550 GPM (125 m ³ /hour)
Max Head	to 141 feet (43m)
Discharge Size	1, 2, 3 inch



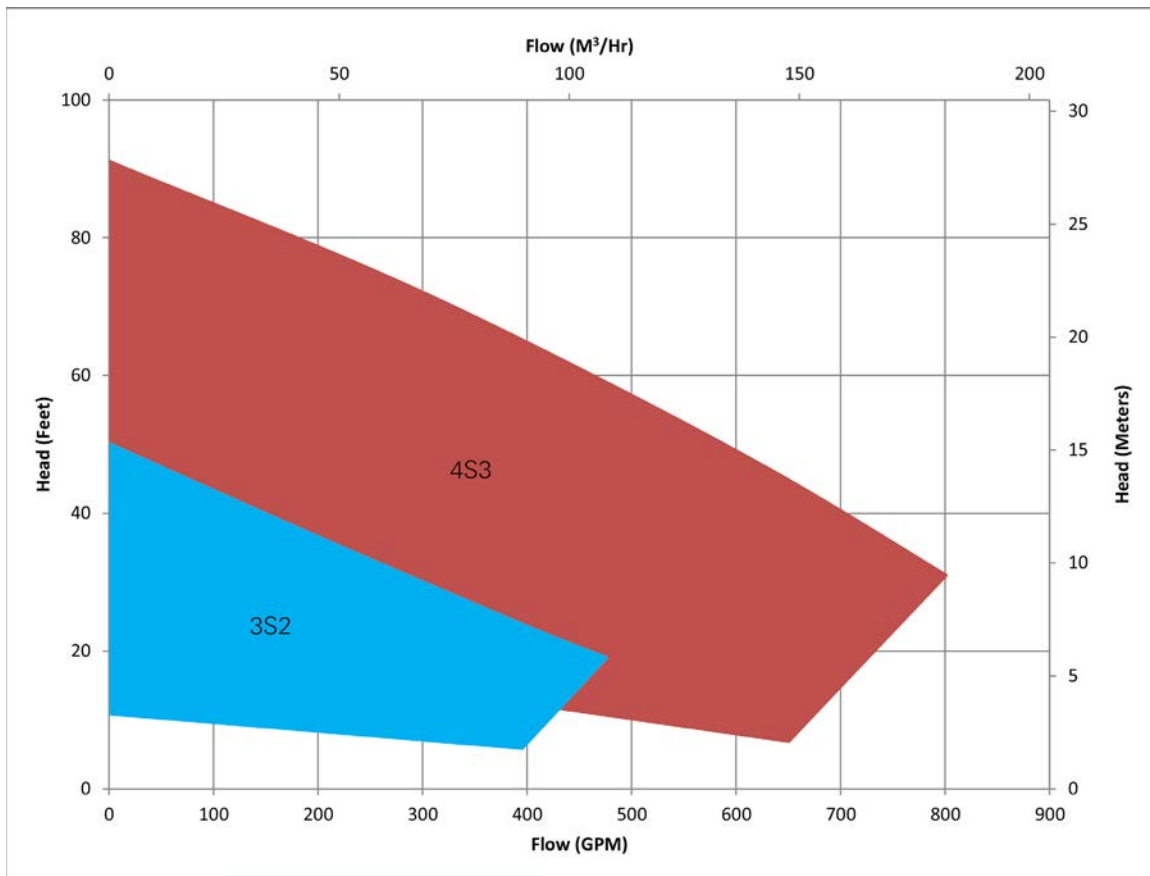
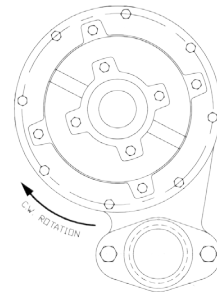
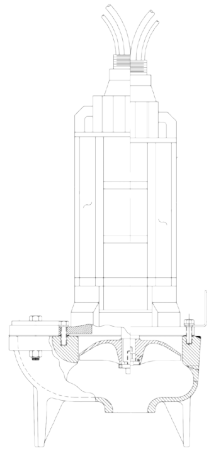
- Small recessed impeller pump
- Used for low flow applications
- Extremely large solids passage for such a small pump
- Cast iron or stainless steel wet end
- Trimmable impeller
- Radial vane recessed impeller
- Very large solids passage for such a small pump
- Motor mounted option allows for smaller footprint



WEMCO® Torque-Flow® Model S



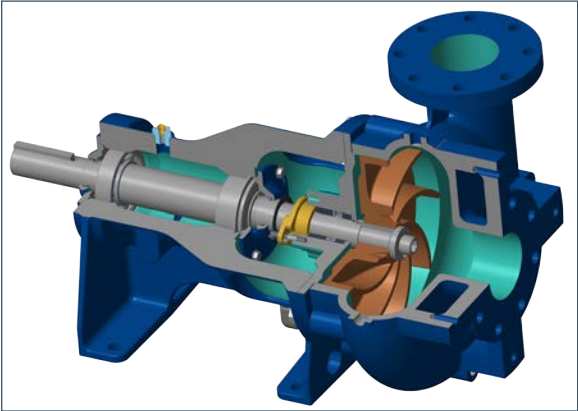
WEMCO® Torque-Flow® Model S	
Materials of Construction	Cast Iron
Configurations	Submersible
Sealing	Submersible motor seals
Flow	800 GPM (182 m³/hour)
Head	91 feet (28 m)
Discharge Size	3, 4 inch



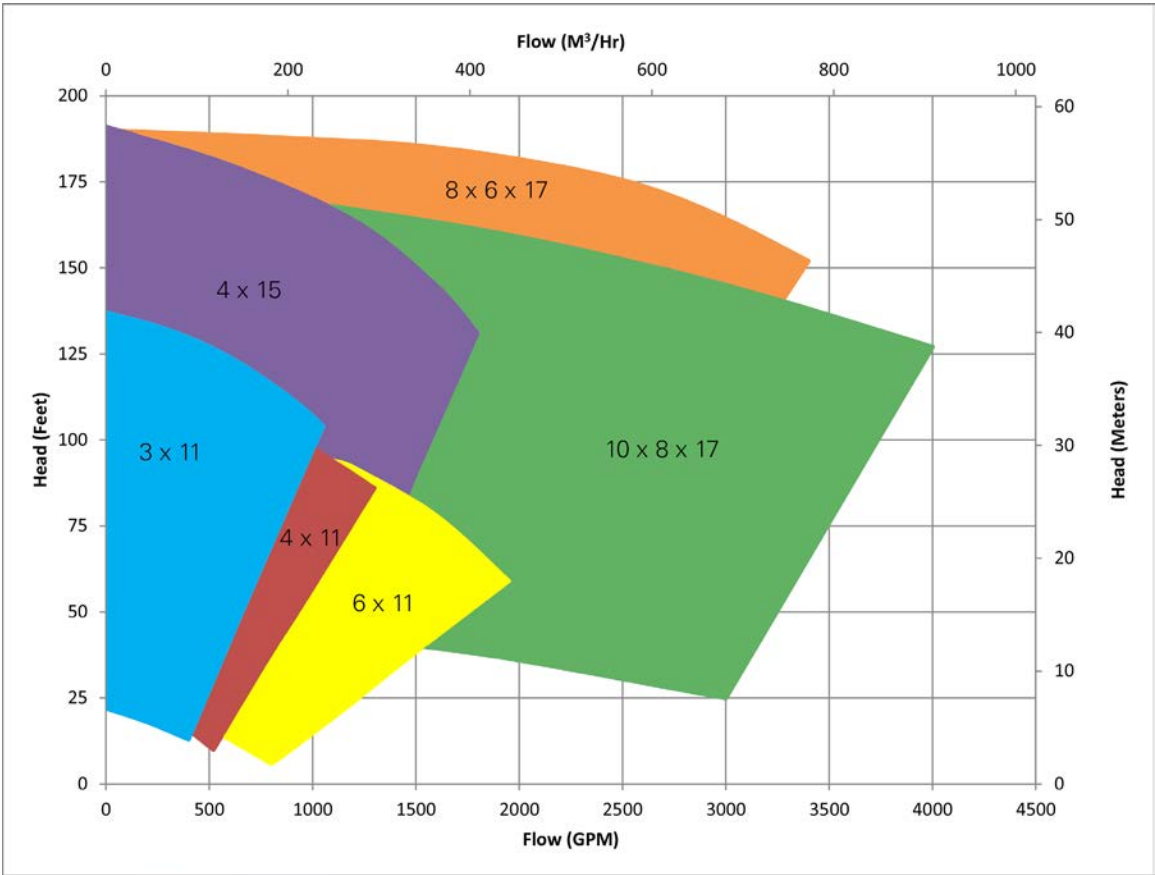
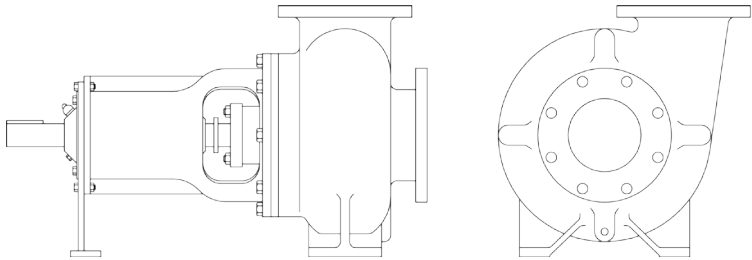
- Designed to be completely submerged while running
- Operates in clockwise rotation only
- Inexpensive submersible recessed impeller pump
- Threaded discharge connection available
- Legs can be cast integral to the casing
- Motor equipped with two seals for added protection of electrical parts



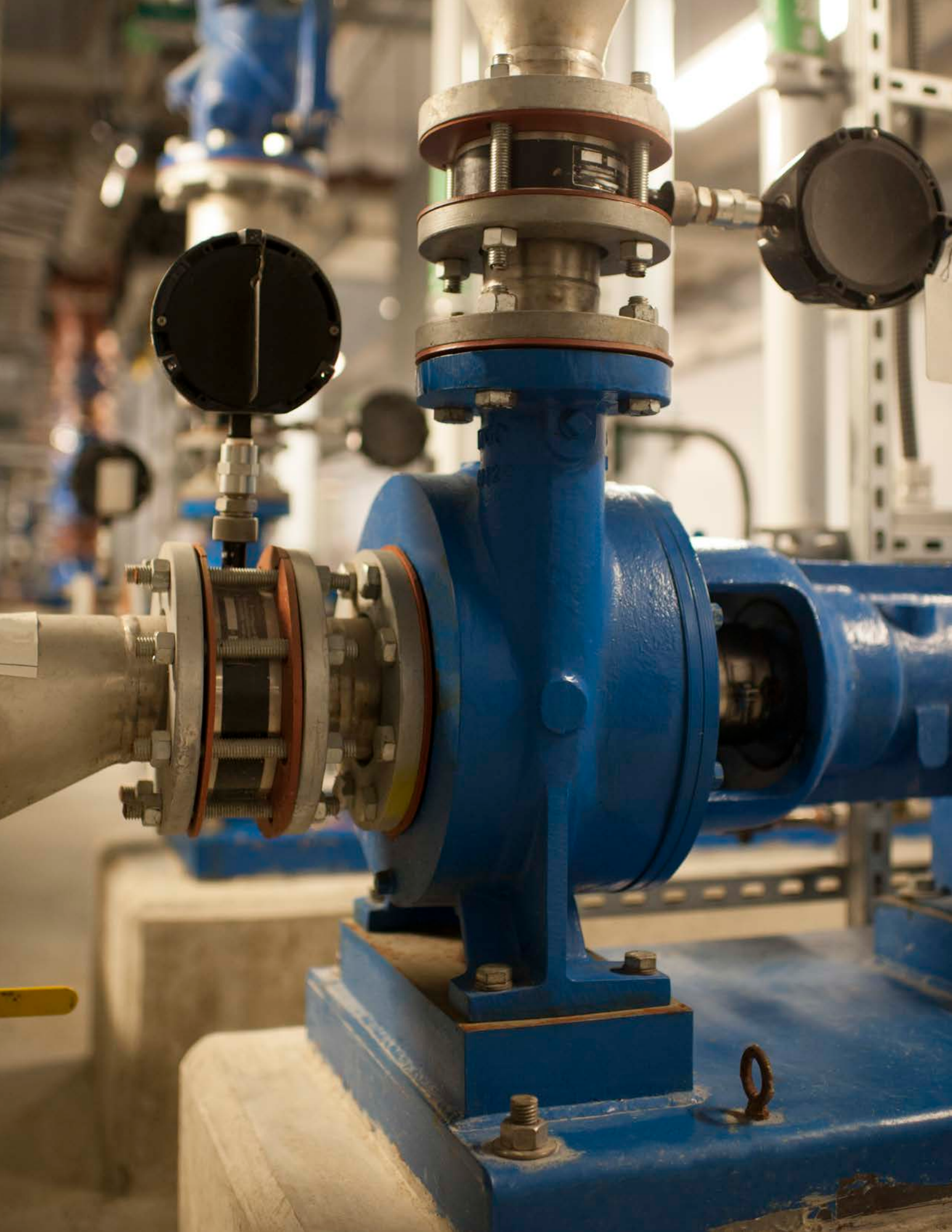
WEMCO® Torque-Flow® Model LR



WEMCO® Torque-Flow® Model LR	
Materials of Construction	Cast Iron, Hi-Chrome
Configurations	Horizontal Vertical Submersible Cantilever
Sealing	Multiple options available
Max Flow	4000 GPM (909 m³/hour)
Max Head	191 feet (58 m)
Discharge Size	3, 4, 6, 8 inch

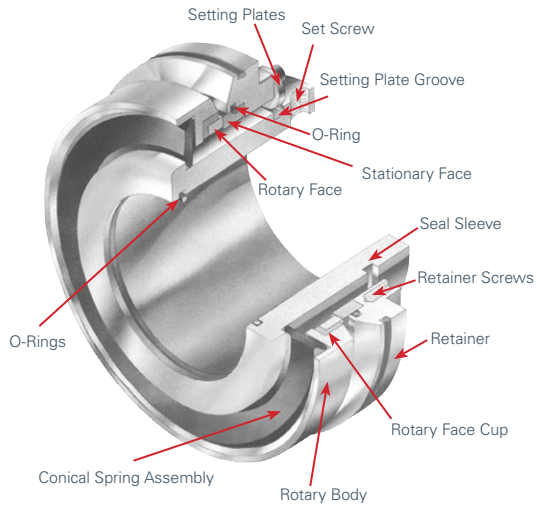


- Trimmable impeller to meet a specific duty point
- Foot mounted case with a true back pull-out power end
- Advanced impeller design for high efficiency, reaching 60 percent
- Special alloys are available to meet specific requirements
- Ideal for difficult solids-handling applications including entrained air



Slurry Seal for WEMCO® Torque-Flow® pumps

Flushless Seals for Municipal and Industrial Applications



The slurry seal for WEMCO® Torque-Flow® pumps replace standard packing and requires no external flush system. The slurry seal operates in the product being pumped without diluting the product.

The slurry seal is a simple, pre-set cartridge that requires no measuring or special tools for installation in the pump housing. Replacement seal parts can be fitted easily by hand, using only basic hand tools and a suitable lubricant.

Constructed of CD4MCu and 316 Stainless Steel components with Viton® or EPDM elastomer and tungsten carbide on tungsten carbide seal faces, the slurry seal will provide a long life of trouble free service.

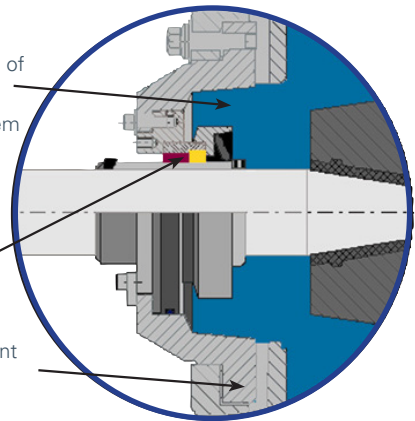
Flushless Design & Simplicity In Motion

No Flush Required

- Saves thousands of gallons of water per pump, per year
- Eliminates seal water system maintenance and power

Slurry Rated Design

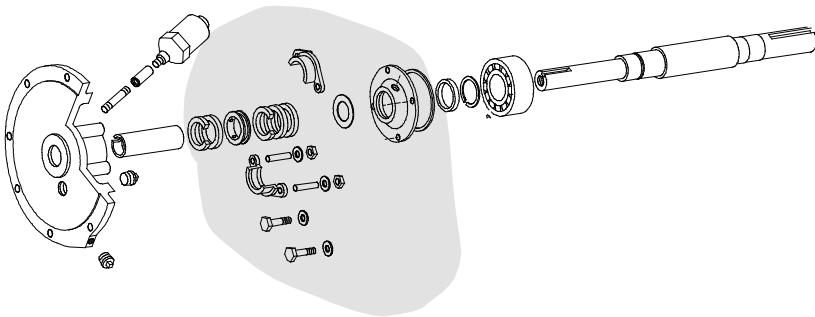
- State-of-the-art materials stand up to what ever you pump without flush water
- 600 Brinell abrasion-resistant seal chamber



Retrofit Your Existing WEMCO® Torque-Flow® Pumps

Replace all of this...

With this...



Kit includes all the components necessary to convert a WEMCO® Torque-Flow® pump, including:

- Slurry Seal
- 600 Brinell Hi Chrome seal chamber, ASTM A532
- 650 Brinell Hi-Chrome or Ni-Hard backplate, with larger-than-standard bore to allow greater circulation of pumped liquid.

Installation

The slurry seal is installed from the impeller side of the pump, only requiring removal of the pump case, impeller and backplate (where installed) for complete access to the seal for installation, inspection and/or maintenance.

Specifications

A single cartridge mechanical seal, requiring no external flushing, shall be furnished for installation in the pump. The seal shall utilize a rotating and stationary seal ring loaded by a non-fouling conical spring encapsulated in Viton®. Installation of the seal shall require no measurements or scribe marks on the shaft. Both sealing rings shall be constructed of tungsten carbide.

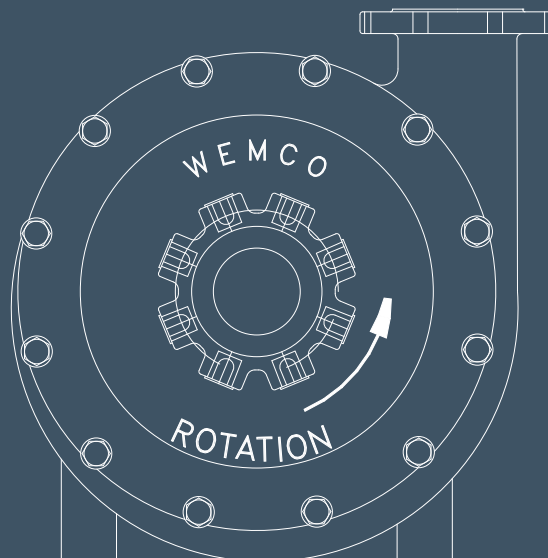
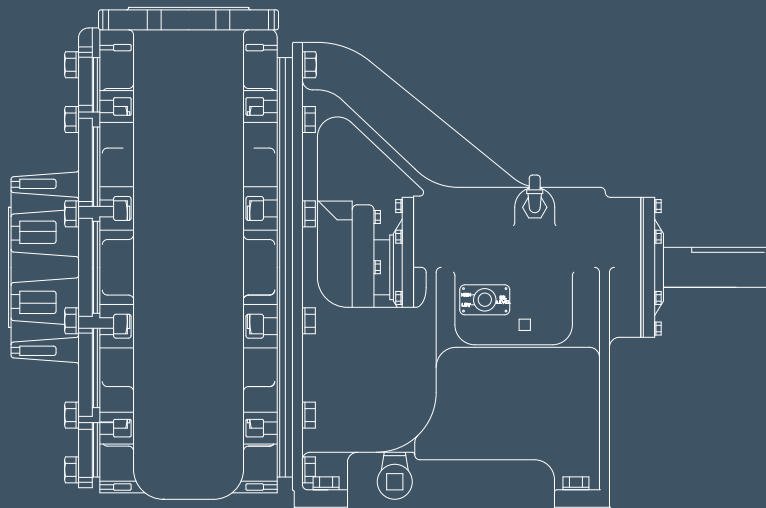




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Wemco® Torque-Flow® Pump Brochure
Version 1, Aug 2016