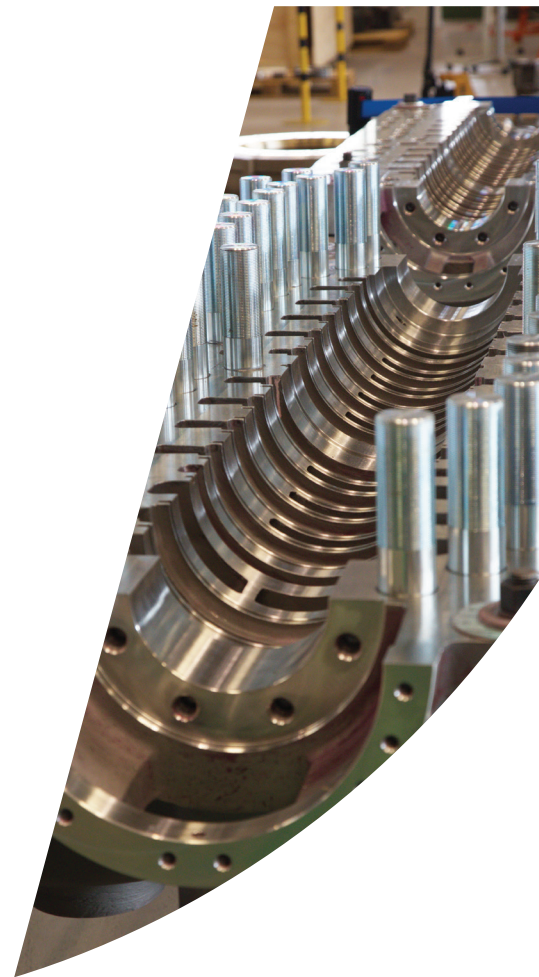
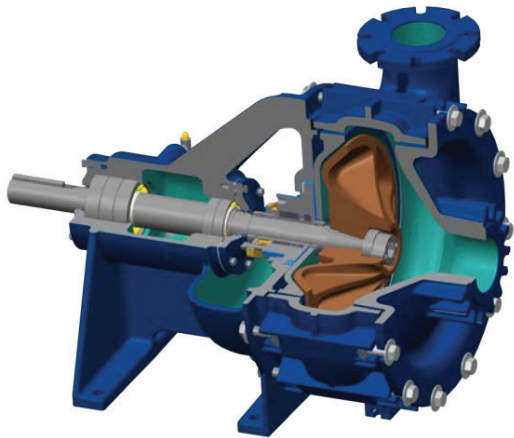


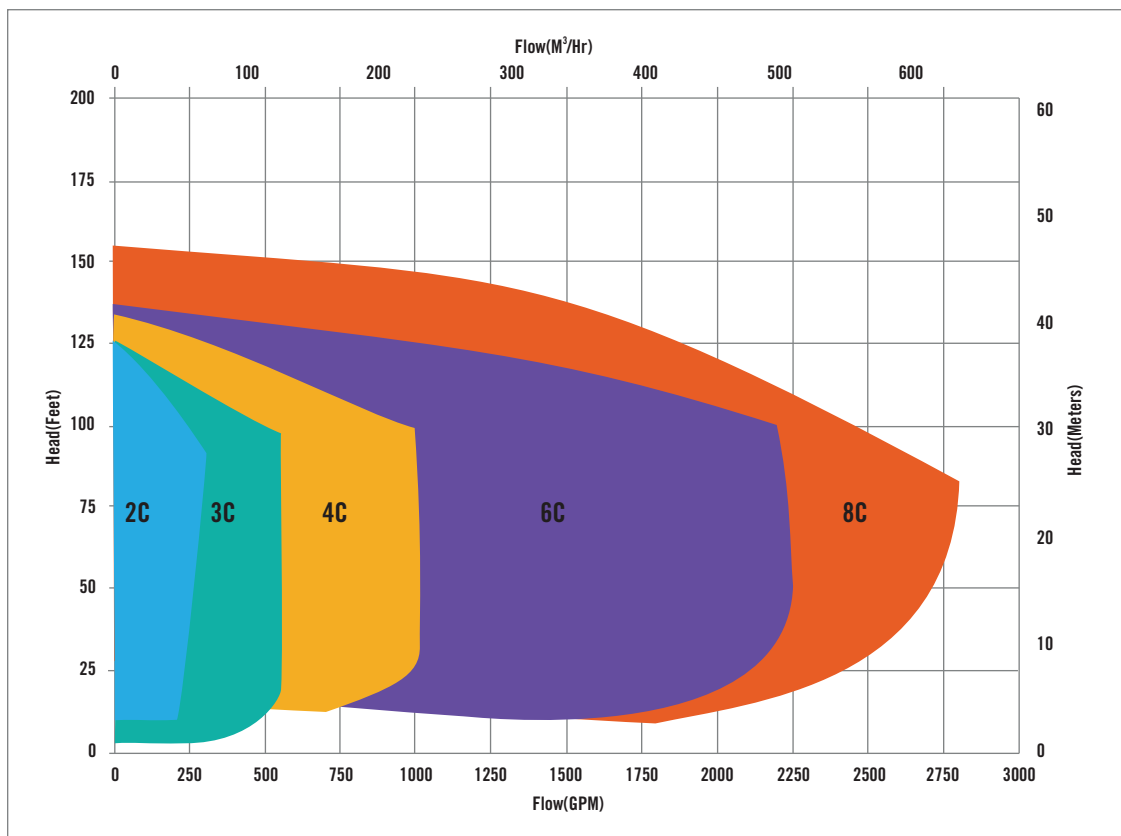
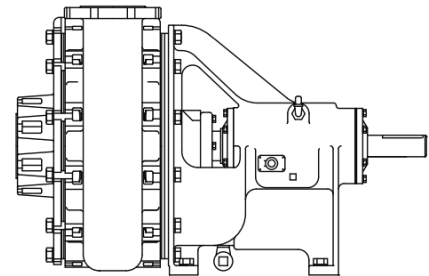
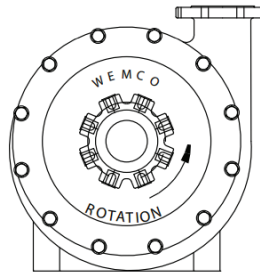
WEMCO® TORQUE-FLOW® PUMP



WEMCO® TORQUE-FLOW® MODEL C



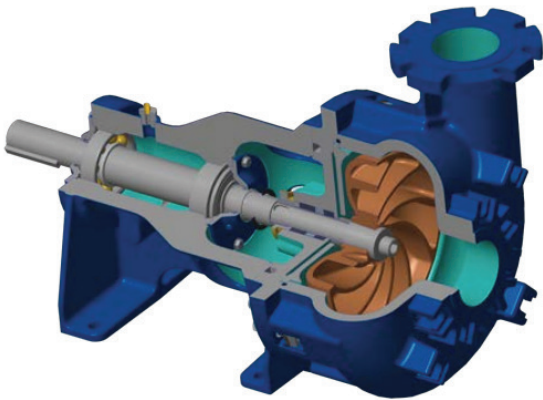
WEMCO® TORQUE-FLOW® MODEL C	
Materials of Construction	Ni-Hard, High Chrome
Sealing	Horizontal
Sealing	Multiple options available
Maximum Flow	to 2800 GPM (636 m³/hour)
Maximum Head	to 154 feet (47 m)
Discharge Size	2, 3, 4, 6, 8 inch (5, 7.6, 10, 15, 20.32 cm)



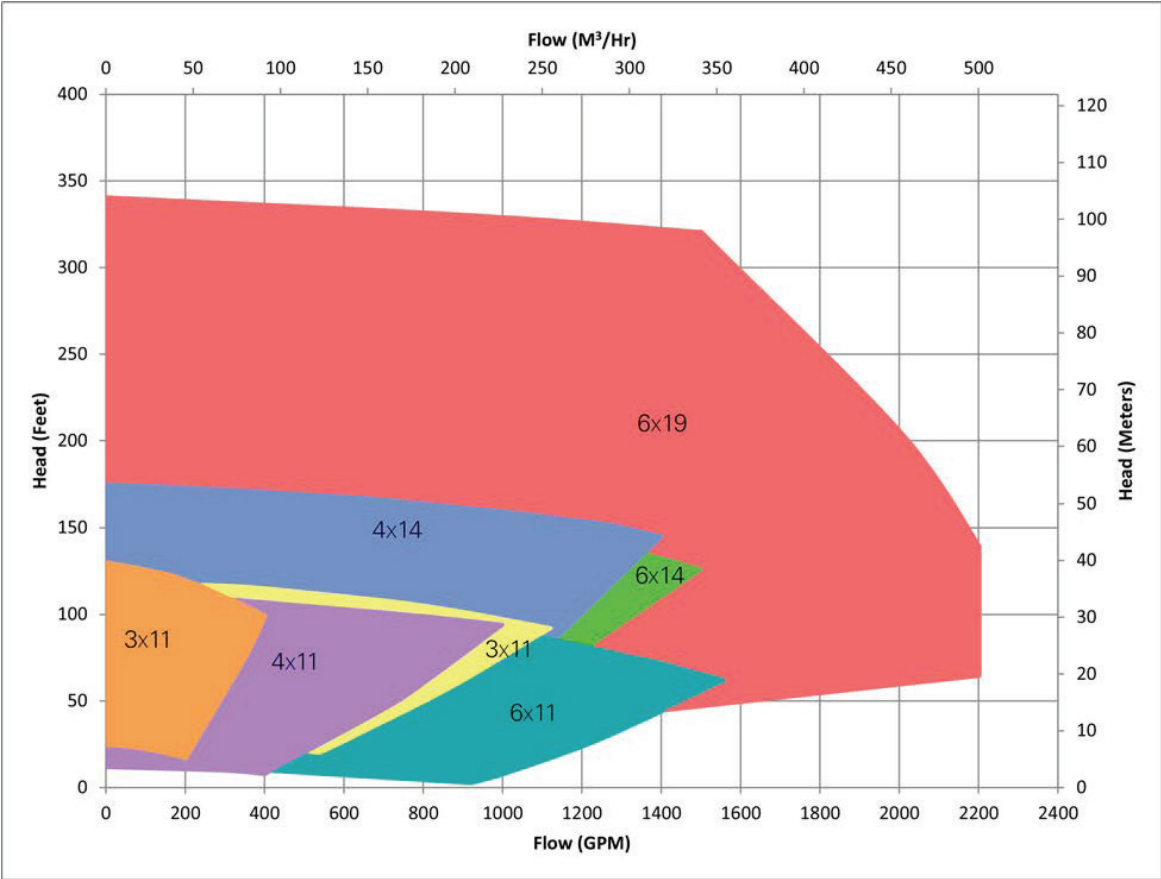
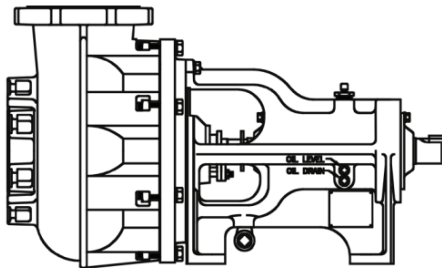
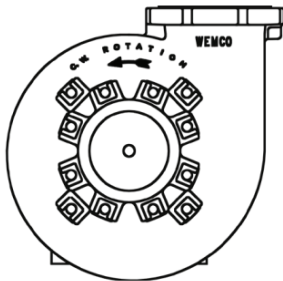
- WEMCO® the preferred name for grit pumping in municipal grit removal applications
- The original recessed impeller pump
- Cupped impeller deflects wear to sacrificial suction piece
- Wet-end weights: 3": 360 lbs | 4": 500 lbs | 6": 800 lbs
- Over 100,000 hour L-10 bearing life
- Self-venting case
- Clock-wise and counter-clock-wise 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 flush-less slurry seal
- Pump will pass pipe-sized solids



WEMCO® TORQUE-FLOW® MODEL CE



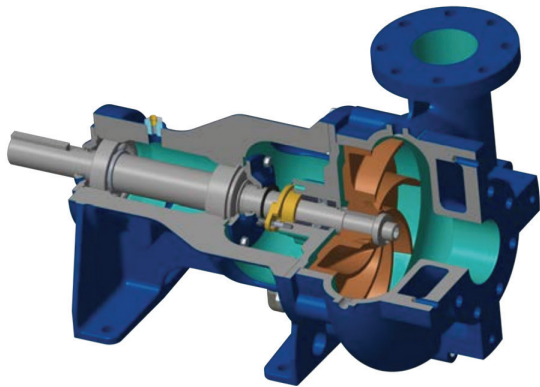
WEMCO® TORQUE-FLOW® MODEL CE	
Materials of Construction	Ni-Hard, High Chrome
Horizontal	Horizontal
	Vertical
	Submersible
	Immersible
	Cantilever
Sealing	Column
	Multiple options available
Maximum Flow	to 2200 GPM (500 m³/hour)
Maximum Head	to 340 feet (104 m)
Discharge Size	2, 3, 4, 6 inch (5, 7.6, 10, 15 cm)



- 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



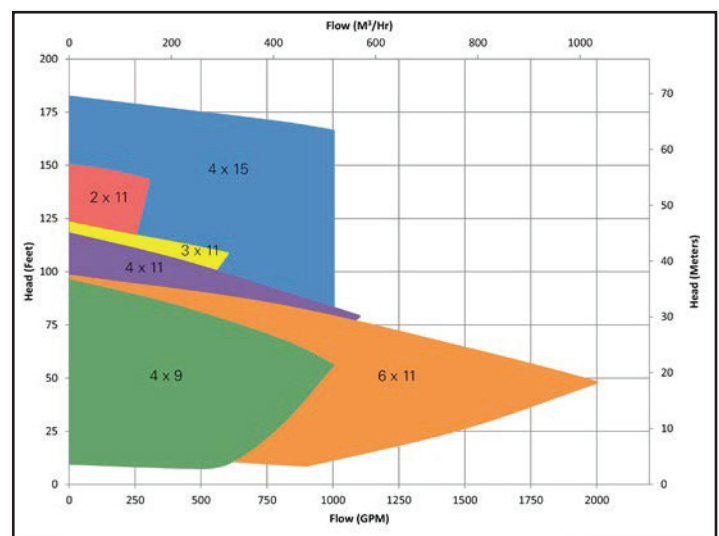
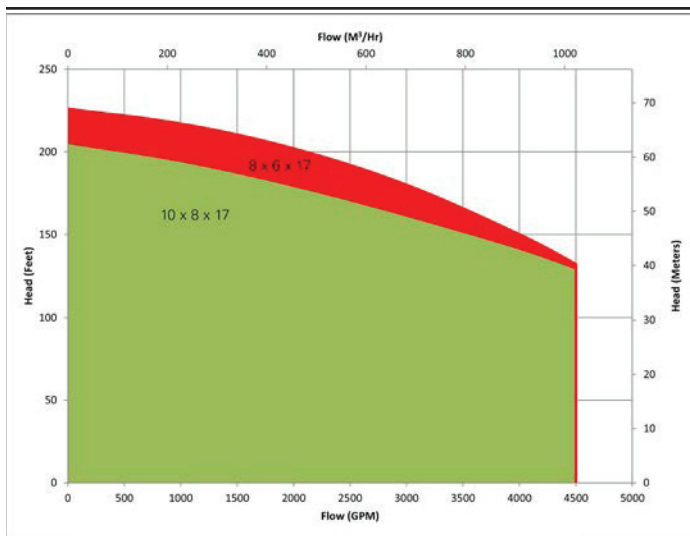
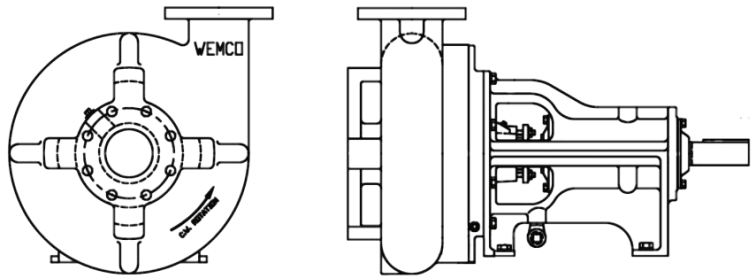
WEMCO® TORQUE-FLOW® MODEL E



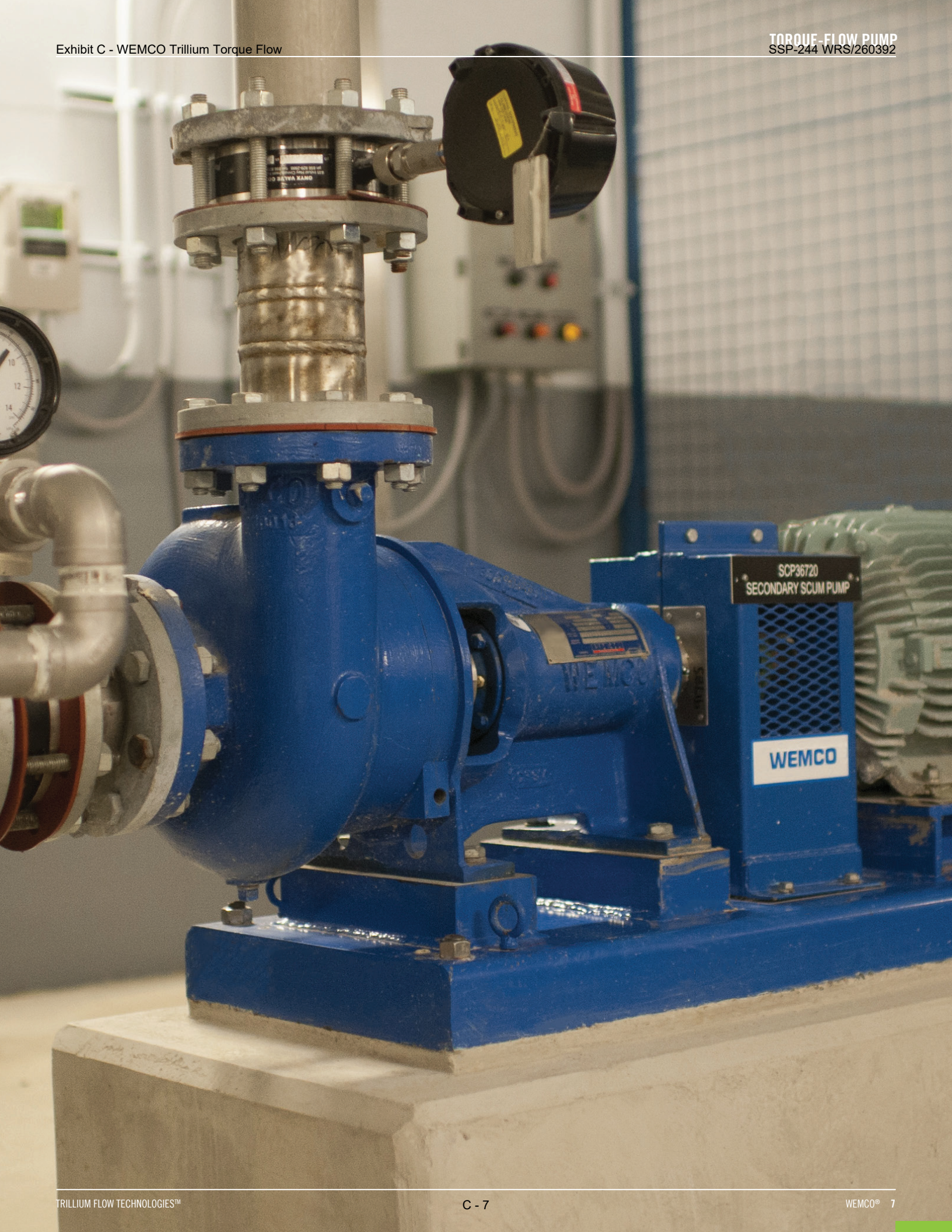
QUALITY ASSURANCE

WEMCO® TORQUE-FLOW® MODEL E	
Materials of Construction	Cast Iron, Stainless Steel, *High Chrome
Configurations	Horizontal Vertical Submersible Cantilever Column
Sealing	Multiple options available
Maximum Flow	4500 GPM (1022 m³/hour)
Maximum Head	226 feet (69 m)
Discharge Size	2, 3, 4, 6, 8 inch (5, 7.6, 10, 15, 20.32 cm)

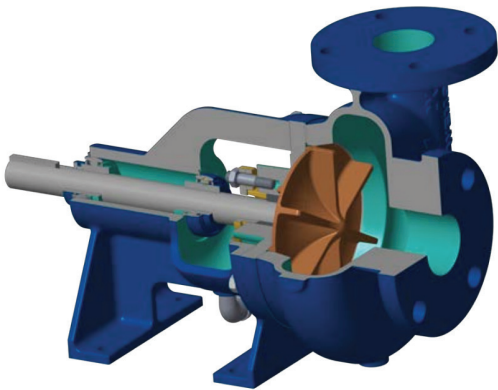
*High Chrome available in some configurations



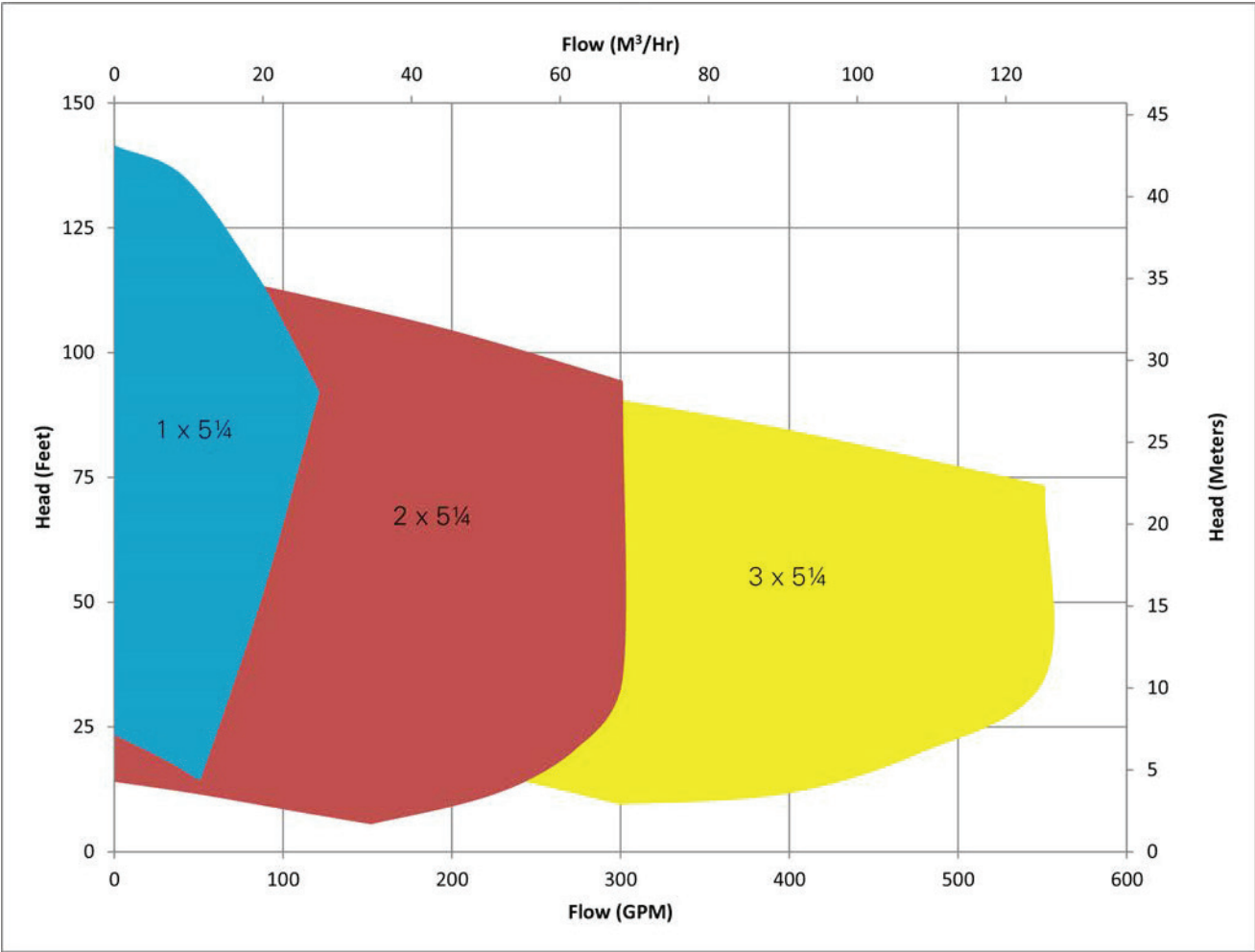
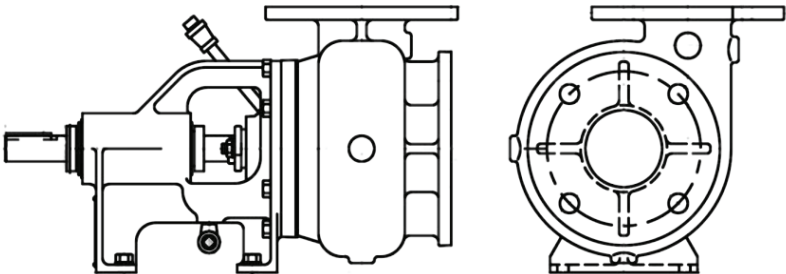
- Vortex impeller pump for large soft solids
- Passes large, soft solids without plugging
- Economical, yet heavy duty
- Radial vane recessed impeller
- Trimmable impeller
- Clock-wise and counter-clock-wise rotations available
- Best suited for low flows with large solids



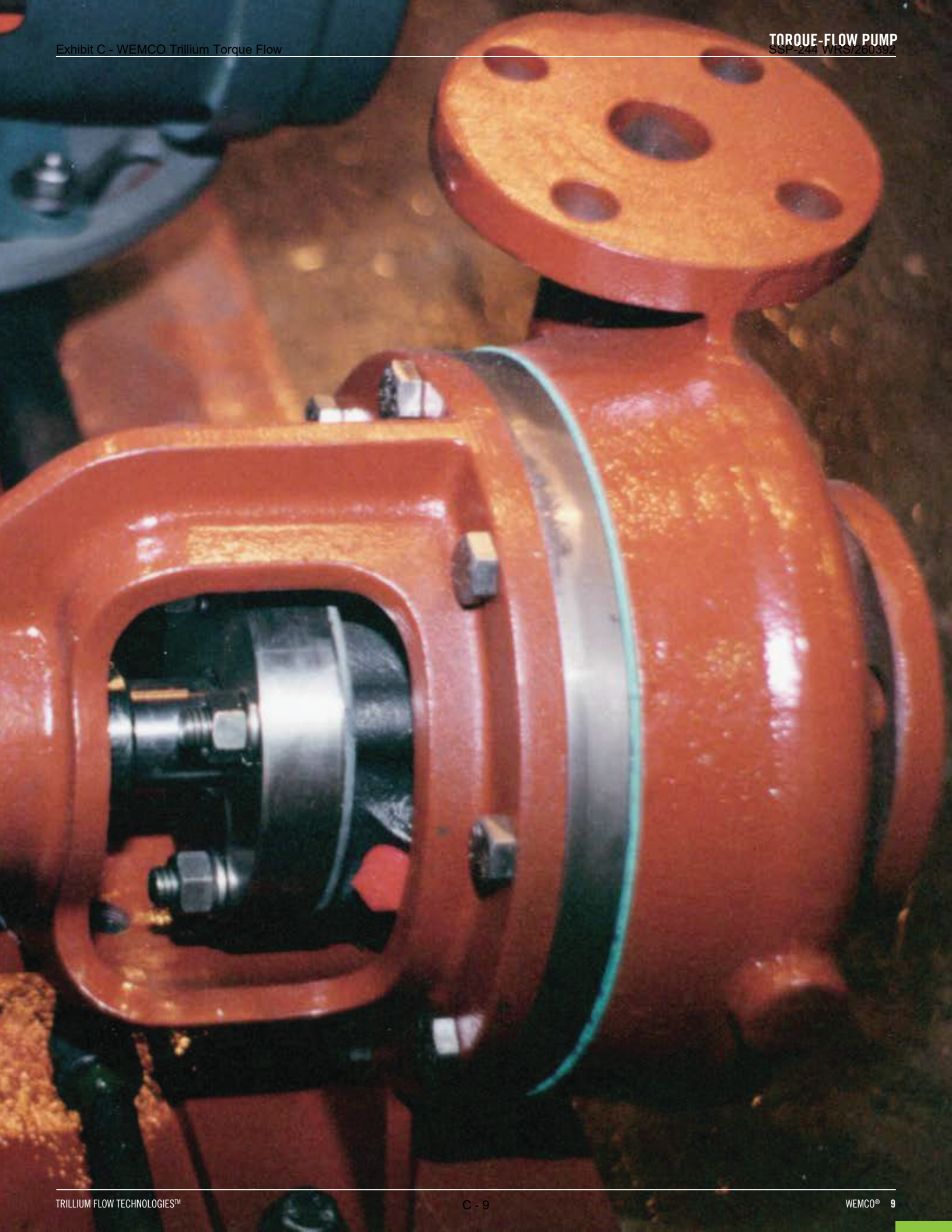
WEMCO® TORQUE-FLOW® MODEL EL



WEMCO® TORQUE-FLOW® MODEL EL	
Materials of Construction	Cast Iron, Stainless Steel
Configurations	Horizontal
Sealing	Packing, component seals
Maximum Flow	to 550 GPM (125 m³/hour)
Maximum Head	to 141 feet (43m)
Discharge Size	1, 2, 3 inch (2.5, 5, 7.6 cm)



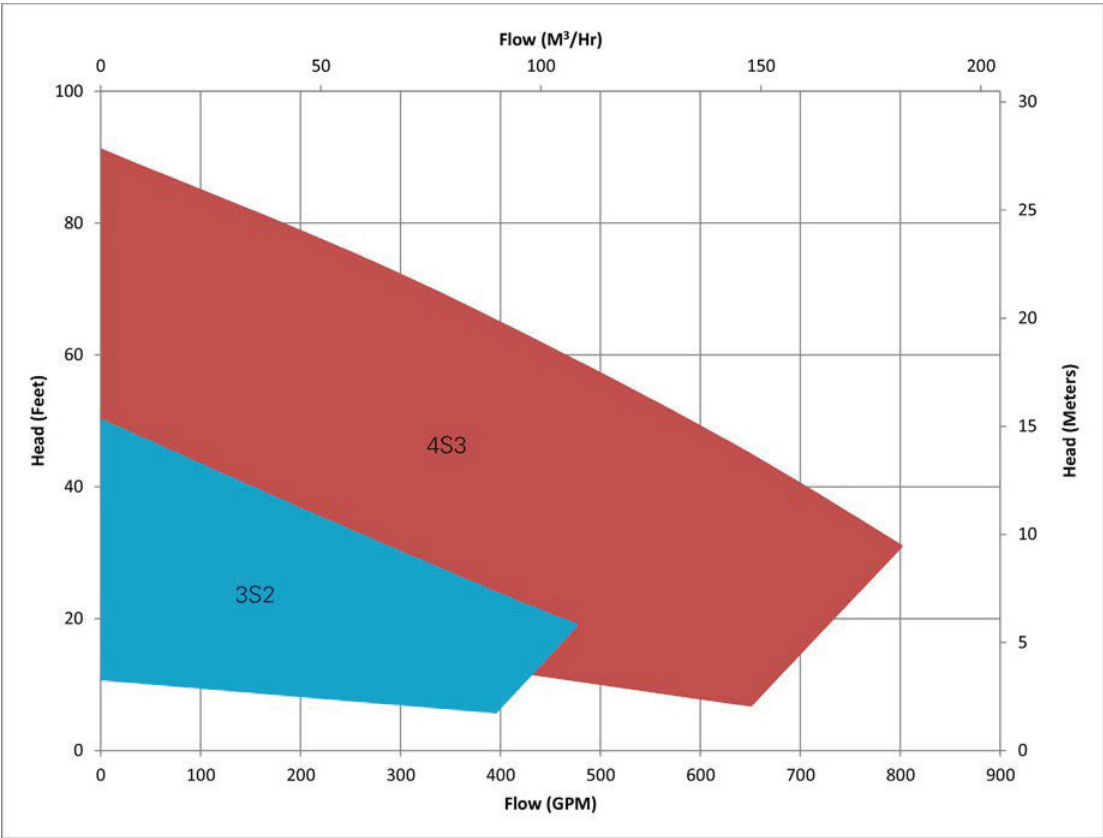
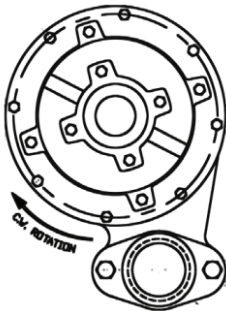
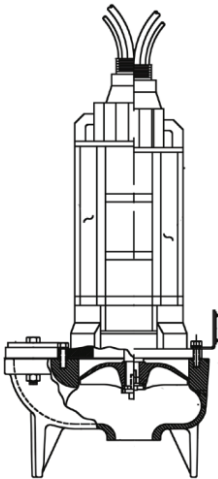
- Small recessed impeller pump
 - Used for low-flow applications
 - Extremely large solids passage for such a small pump
 - Cast iron or stainless steel wet-end
- Trimmable impeller
 - Radial vane recessed impeller
 - Motor mounted option allows for smaller footprint



WEMCO® TORQUE-FLOW® MODEL S

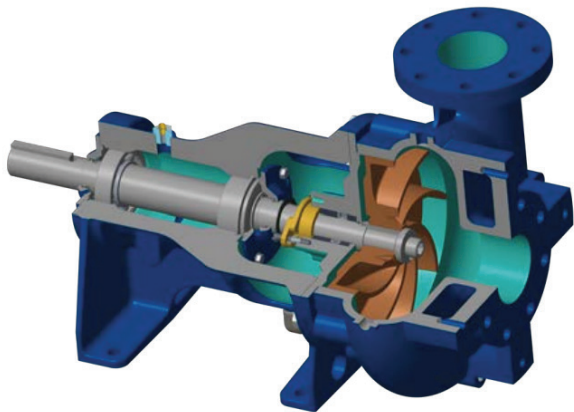


WEMCO® TORQUE-FLOW® MODEL S	
Materials of Construction	Cast Iron
Configurations	Submersible
Sealing	Submersible motor seals
Flow	800 GPM (182 m³/hour)
Head	91 feet (28 m)
Discharge Size	3, 4 inch (7.6, 10 cm)

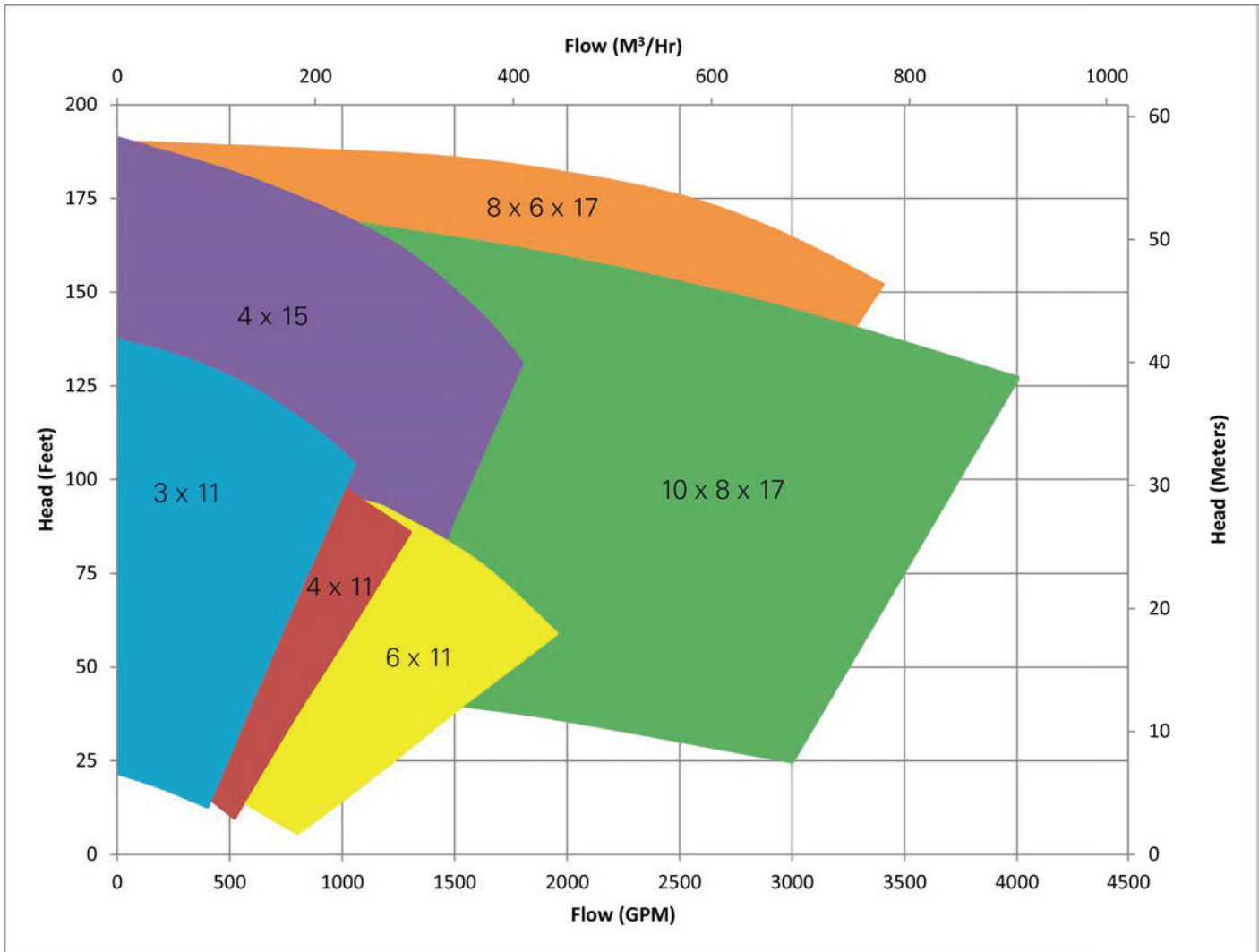
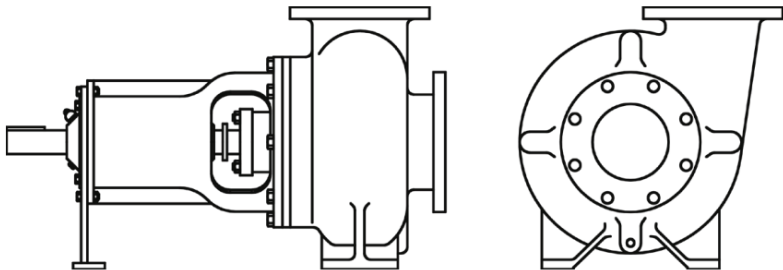


- Designed to be completely submerged while running
 - Operates in clockwise rotation only
 - Inexpensive submersible recessed impeller pump
 - Threaded discharge connection available
- Legs can be cast integral to the casing
 - Motor equipped with two seals for added protection of electrical parts

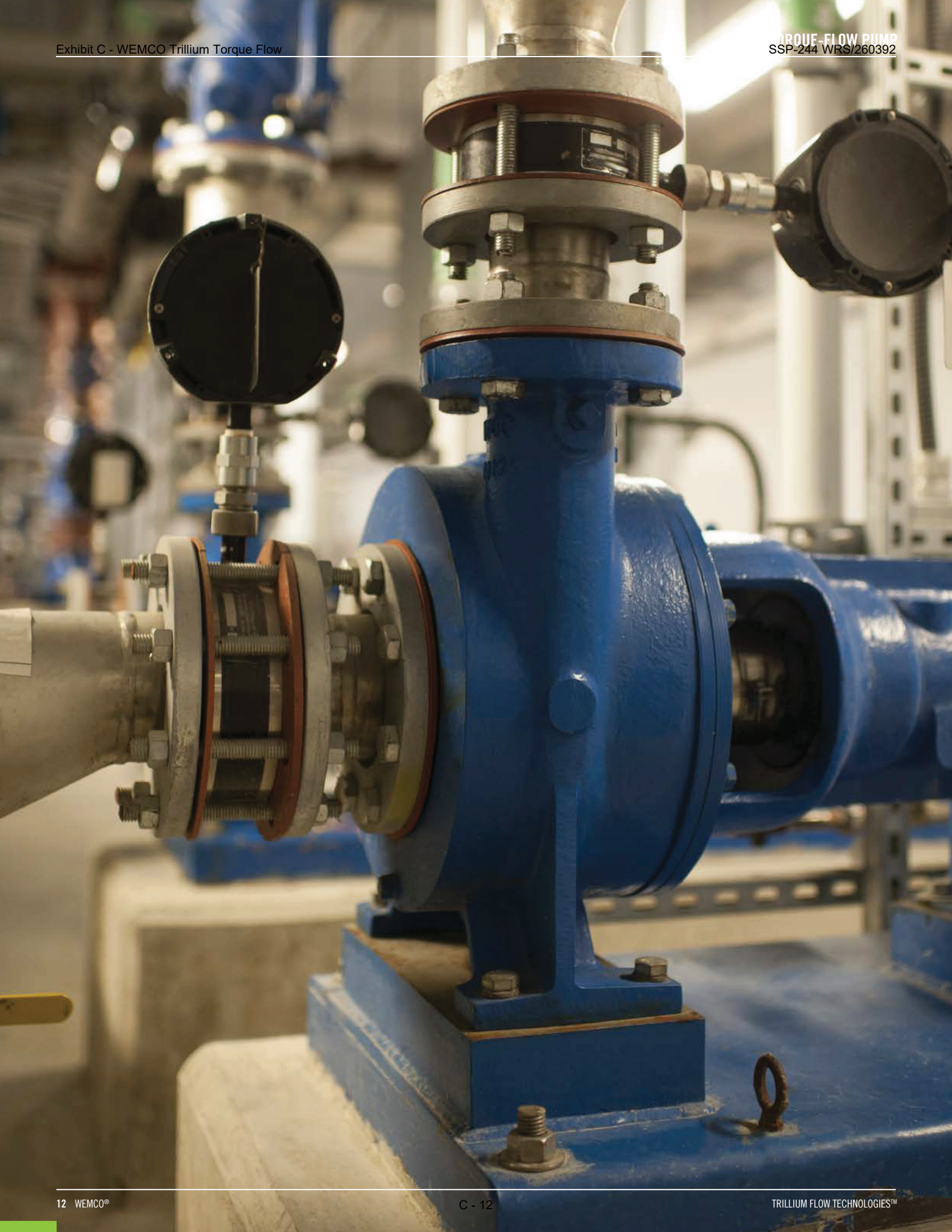
WEMCO® TORQUE-FLOW® MODEL LR



WEMCO® TORQUE-FLOW® MODEL LR	
Materials of Construction	Cast Iron, High Chrome
Configurations	Horizontal, vertical, submersible, cantilever
Sealing	Multiple options available
Maximum Flow	4000 GPM (909 m³/hour)
Maximum Head	191 feet (58 m)
Discharge Size	3, 4, 6, 8 inch (7.6, 10, 15, 20.32 cm)



- Trimable 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



Setting Plates

Set Screw

Setting Plate Groove

O-Ring

Stationary Face

Rotary Face

Seal Sleeve

Retainer Screws

Retainer

Rotary Face Cup

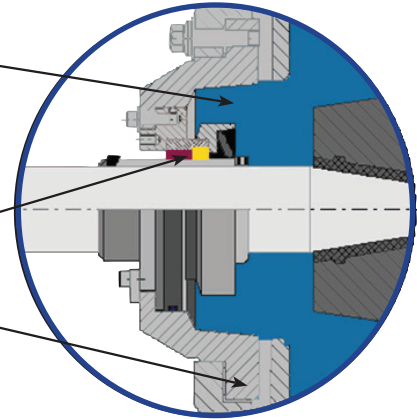
Rotary Body

Conical Spring Assembly

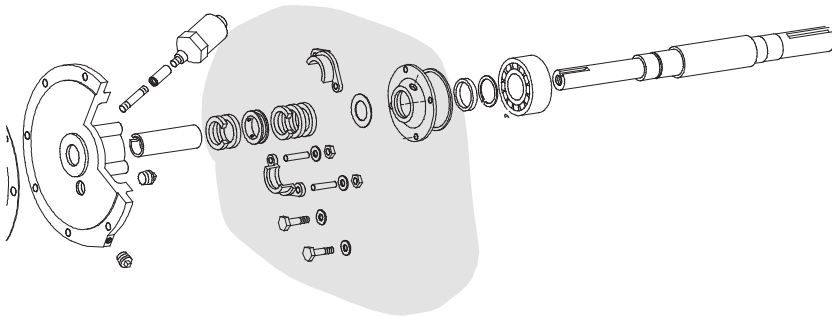
O-Rings

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

- State-of-the-art materials stand up to what ever is pumped without flush water
- 600 Brinell brasion-resistant seal chamber



With this...



- 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

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. The stationary ring shall be silicon carbide and the rotating ring shall be tungsten carbide.



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