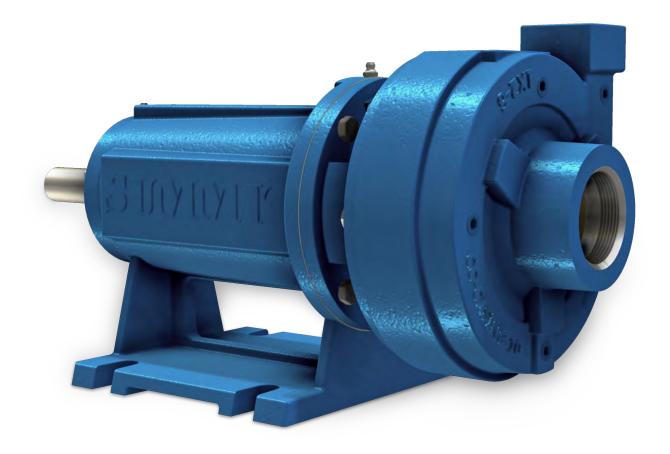
# SUMMIT TM

## FM

# Frame Mounted Clean Water Pump



Frame Mounted Pump



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## SUMMIT THE PUMP, Inc.

## **Frame Mounted**

## Features

SUMMIT<sub>TM</sub> FM pumps are horizontal, end suction, centrifugal pumps designed for general service such as clean water, solvents, light oils, non-corrosive chemicals, coolants and brines. Available in capacities to 2300 GPM heads to 440 feet, these pumps are an economical and dependable solution for your pumping needs. All flanges are 125lb ANSI B16.1 rating; NPT connections are standard on 6" and most 8" sizes. A renewable bronze shaft sleeve is standard on cast iron pumps and a 316ss shaft sleeve is standard on alloy pumps.

#### Frame Mounted Pump - Model FM

Frame mounted pumps are constructed with a rigid bearing frame, flexibly coupled and mounted on a fabricated steel base with optional drip pan. The casing, adapters, and bearing frames share mating registers for maximum interchangeability. Coupling guards meet ASME B 15.1 specifications.

#### **Interchangeable Parts**

Component parts of similar sizes are interchangeable with the Frame Mounted and Close Coupled Pumps. This means less spare parts inventory and fast delivery of required parts.

#### **Mechanical Seals**

Type 1 seal is standard; constructed of Carbon vs. Silicon Carbide faces, FKM elastomers and stainless steel metal parts. The maximum operating temperature rating is 150°F with a standard seal in water. Optional seal materials are available for higher temperatures.



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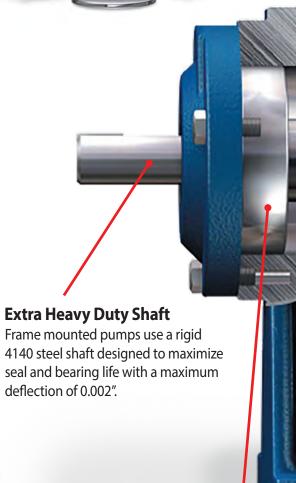
#### **316ss Wet End Option**

316ss wet ends are available for corrosive application. All wetted surfaces are constructed of 316ss including: Casing, Impeller, Adaptor, Sleeve, Washer, Impeller Screw and Key.



**Seal Kits** 

Economically priced complete seal kits are available to help minimize inventory.



Bearings

deflection of 0.002".

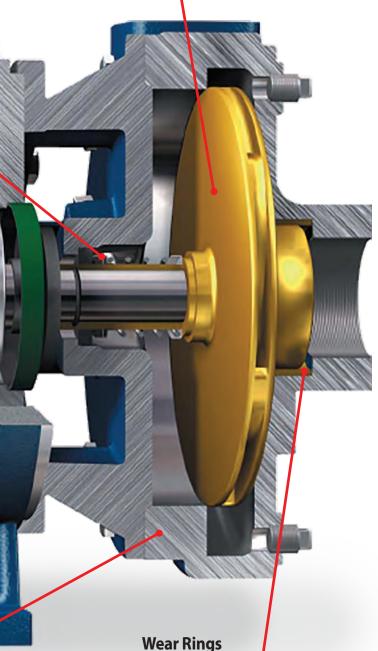
Frame mounted pumps have regreaseable SKF single row deep groove ball bearings with a minimum B-10 life of 20,000 hours

**Casing Designed For Easy Maintenance** 

Back pull out design allows maintenance of bearing frame without disturbing the suction and discharge piping. Multiple casing discharge positions are possible.

#### **Impeller**

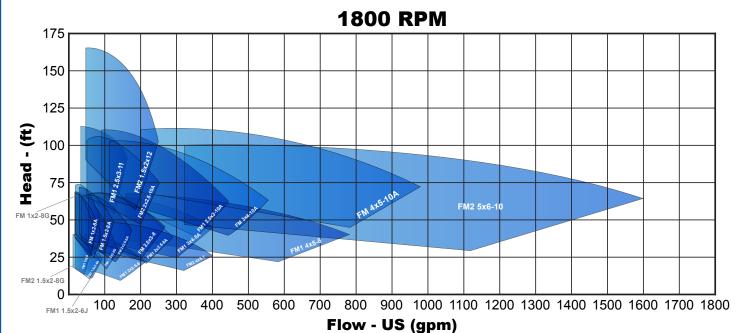
The enclosed impeller ensures the highest efficiency, and is hydraulically balanced which reduces axial thrust, and increases bearing life. The impeller is keyed and locked to the shaft.

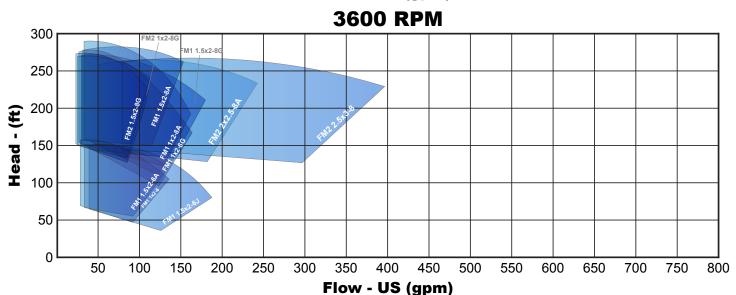


Bronze wear rings are easily replaced and prevent casing wear. Rings are not required on 316ss wet ends.

## **FM Performance/Sizing Charts**

## Performance





Model No.	FM1-1x2-6	FM1-1.5x2-6A	FM1-1.5x2-6J	FM1-2x2.5-6	FM1-2x2.5-6-316SS	FM2-4x5-7	FM1-1x2-8A	FM2-1x2-8A	FM1-1x2-8G	FM2-1x2-8G	FM1-1.5x2-8A	FM2-1.5x2-8A	FM1-1.5x2-8G	FM2-1.5x2-8G	FM1-2x2.5-8A	FM2-2x2.5-8A	FM1-2.5x3-8	FM2-2.5x3-8	FM1-3x4-8A	FM2-3x4-8A	FM1-3x4-8A-316SS	FM2-3x4-8A-316SS	FM1-4x5-8	FM1-2x2.5-10A	FM2-2x2.5-10A	FM1-2.5x3-10A	FM2-2.5x3-10A	FM1-3x4-10A	FM2-3x4-10A	FM1-4x5-10A	FM2-4x5-10A	FM2-5x6-10	FM1-2.5x3-11	FM2-1.5x2-12	FM2-3x4-12
PEI <sub>CL</sub> 1800 RPM (1440-2160)	*	*	*	0.98	0.95	0.99	0.92	0.85	0.91	0.95	0.84	0.93	0.96	0.93	0.96	0.99	0.90	0.95	96.0	1.00	0.97	0.98	0.95	0.95	0.89	96.0	0.97	96.0	0.97	0.97	0.99	0.94	0.98	0.91	0.95
PEI <sub>CL</sub> 3600 RPM (2880-4320)	0.95	0.91	0.98	96.0	0.95	RTF	98'0	0.87	98.0	06:0	0.79	0.87	0.87	0.88	96.0	0.94	<b>Max 1800RPM</b>	0.94	Max 1800RPM	66.0	Max 1800RPM	66.0	<b>Max 1800RPM</b>	Max 1800RPM	Max 1800RPM	Max 1800RPM	Max 1800RPM	Max 1800RPM	Max 1800RPM	Max 1800RPM	Max 1800RPM	Max 1800RPM	RTF	Max 1800RPM	Max 1800RPM
Max Impeller Dia. (in)	00.9	00.9	6.00	00'9	00.9	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.50	12.00	12.00