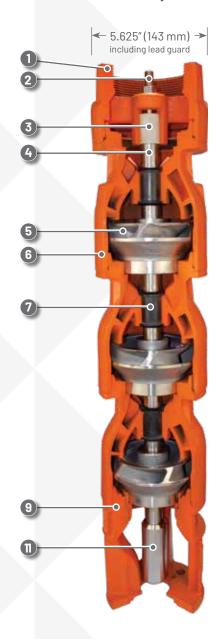
# BERKELEY 5TMH SERIES SUBMERSIBLE TURBINE PUMPS

The 5TMH pump series features abrasion and corrosion resistant materials for maximum performance and longevity under the toughest operating conditions, and delivers industry-leading efficiencies and head per stage.



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- 1) Discharge Ductile iron ASTM 536-84
  Threaded with large wrench flats and sized for the pump's flow range
- 2 Upthrust nut / screw 304 Stainless Steel/Bismuth Tin Bronze Factory pre-set upthrust screw is retained by a stainless steel locknut, providing maximum upthrust protection.
- 3 Discharge bearing Vesconite®

  Low friction, no water swell, long life. Specific for water-immersed applications, clean or dirty
- Shaft 416 stainless steel

  Precision ground and polished for reduced running friction and increased service life
- 5 Impeller 304 stainless steel, investment cast Smooth and efficient performance, long life
- 6 Bowls Class 30 cast iron

  Heavy-walled construction incorporates precision hydraulic design for maximum efficiency and performance. Coated internal passageways on the 5TMH series increases overall pump efficiency and performance.
- 7 Isolator bearings neoprene
  Unique design channels abrasives away from the stainless steel shaft bearing journal.
- 8 Lead guard 302 stainless steel
  Protects the motor leads across the full length of the pump (not shown)
- 9 Suction bracket Ductile iron ASTM 536-84
  Machined for both 4" and 6" motor registers. Designed to effectively divert debris away from the spline engagement area, maximizing durability.
- **Suction screen 304 stainless steel**Form fitted, provides corrosion resistance, and prevents particulates larger than .19" (4.8 mm) from entering the pump (not shown).
- Motor coupling 416 stainless steel
  Fully machined for positive fit; Integrated O-Rings protect splines
  from abrasive wear.



### BERKELEY 5TMH SERIES

## SUBMERSIBLE TURBINE PUMPS

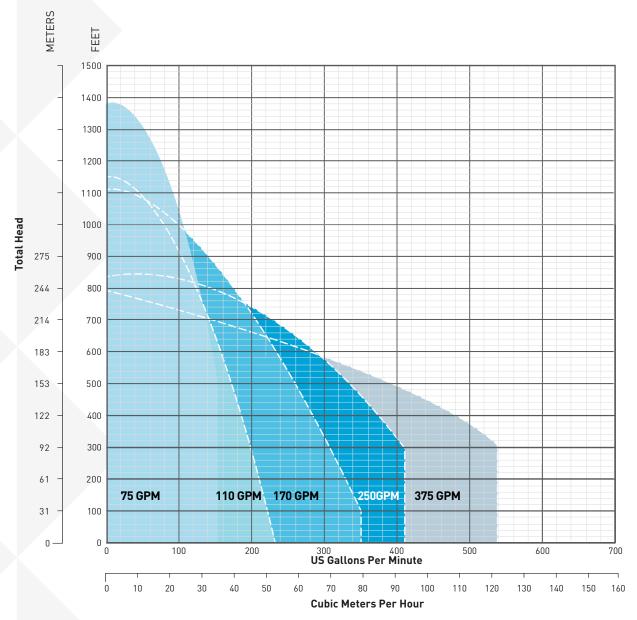
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### **Materials of Construction**

Part Name	Material	Reference
shaft, motor coupling	416 stainless steel	AISI 416 stainless steel
bowls	Class 30 cast iron	ASTM Class 30
impeller, suction screen, upthrust nut	304 stainless steel	AISI 304 stainless steel
upthrust screw	Bismuth Tin Bronze	C89835

Part Name	Material	Reference
lead guard	302 stainless steel	AISI 302 stainless steel
motor bracket, discharge	ductile iron	ASTM A536-84 65-45-12
sand boot	Buna-N (nitrile rubber)	·
isolator bearings	neoprene	
discharge bearing	Vesconite®	





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