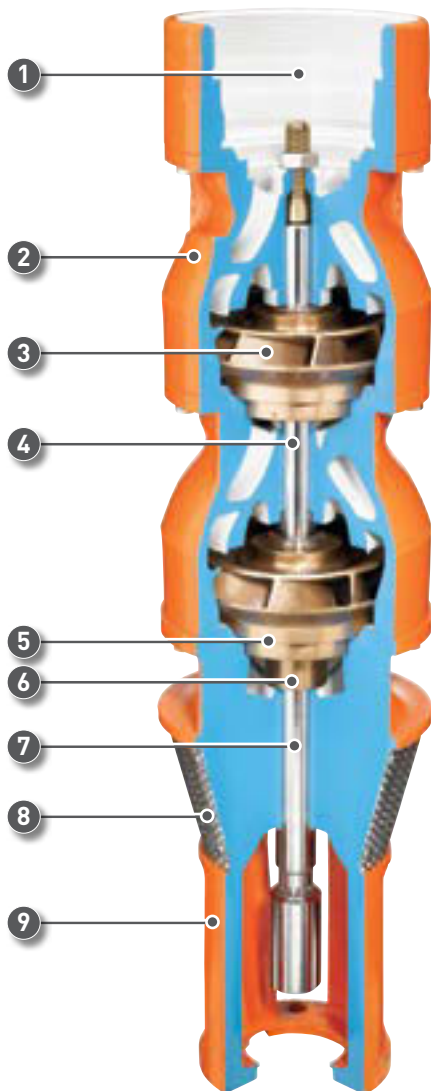


# BERKELEY® 8T SERIES SUBMERSIBLE TURBINE PUMPS

BERKELEY 8T SERIES PUMPS are proven performers for a wide range of municipal and agricultural applications. Pumps features Epoxy Coated Bowls and Stainless Steel Impellers to provide efficiencies in the 80% Plus Range.

8.44" Diameter



- 1 Heavy-Duty Discharge Adapter** Class 30 Cast Iron includes a top bronze thrust bearing. Threaded discharge is sized for the pump's flow range. Factory-set thrust screw, retained by a stainless steel lockout, provides maximum upthrust protection.
- 2 Heavy-Walled Class 30 Cast Iron Bowls** incorporate precise hydraulic design for maximum efficiency and performance. Positive "Bowl Lock" feature on 8T-950 eliminates risk of bowl loosening.
- 3 Stainless Steel Impellers** are designed and machined to optimize efficiency and performance.
- 4 Bronze Bearings** maintain positive shaft alignment, minimizing sand penetration
- 5 Wear Ring** (on 8T-950) enables pump to be re-built to maintain original factory performance
- 6 Non-Corrosive Sand Cap** protects bronze suction bracket bearing and stainless steel bearing journal.
- 7 416 Stainless Steel Pump Shaft** is precision ground and polished for reduced running friction and increased service life.
- 8 Heavy-Duty Stainless Steel Suction Strainer** is non-collapsible and corrosion-resistant.
- 9 Heavy-Duty Cast Iron Suction Bracket** assures perfect pump-to-motor alignment with NEMA standard motors.
- 10 Low Profile, Full-Length Stainless Steel Cable Guard (Not Shown)** protects motor leads.

# BERKELEY® 8T SERIES SUBMERSIBLE TURBINE PUMPS

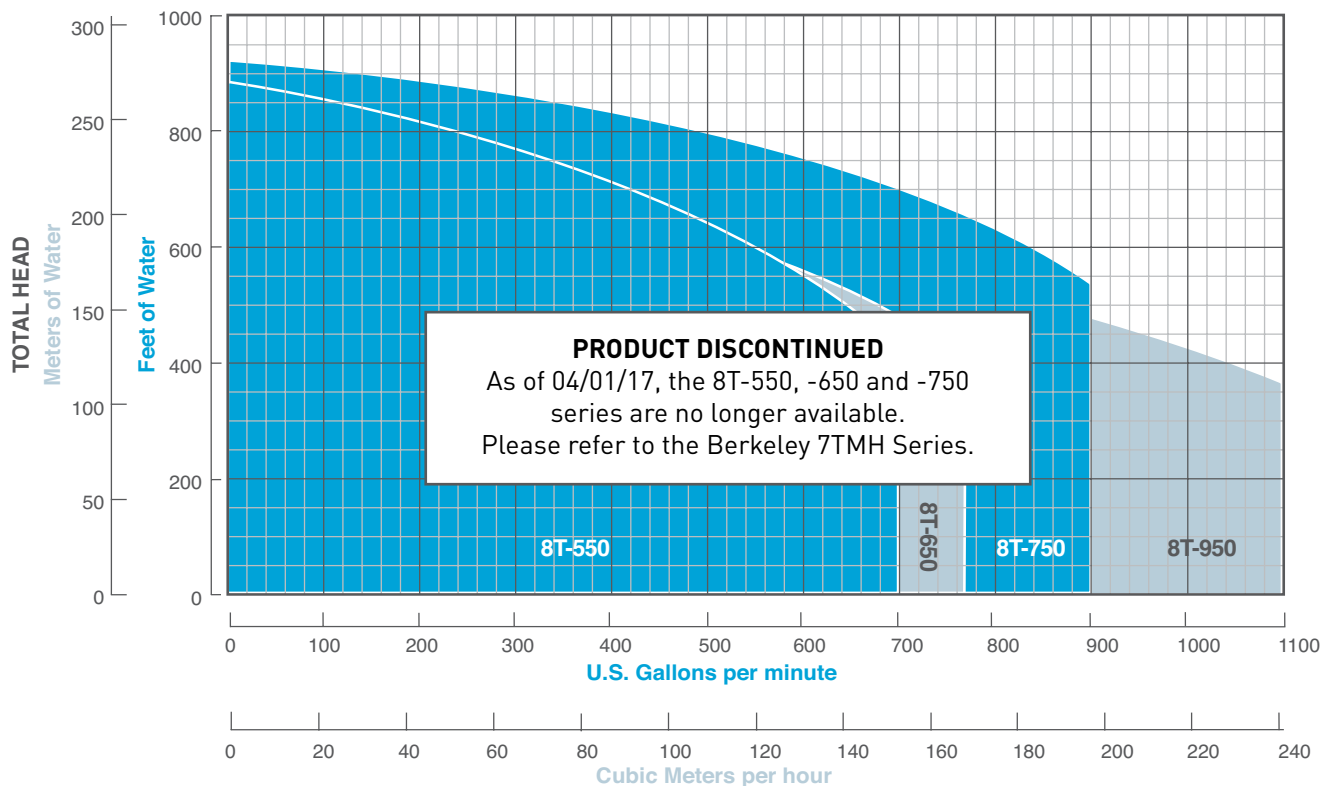
## Materials of Construction

Part Name	Material	Spec Number
Discharge Adapter	Cast Iron	ASTM A48 Class 30
Top Bowl*	Cast Iron	ASTM A48 Class 30
Intermediate Bowl*	Cast Iron	ASTM A48 Class 30
Bearings, Top and Suction Case	Bronze	ASTM B144-3B (SAE 660)
Impeller	Stainless Steel	316SS
Pump Shaft	Stainless Steel	AISI 416
Impeller Collets	Steel	AISI 1215
Suction Bracket	Cast Iron	ASTM A48 Class 30
Bowl Bearing	Bronze	ASTM B505 C93200
Sand Cap	Bronze	ASTM B144-3B (SAE 660)
Strainer	Stainless Steel	AISI 302 UNS S30200
Cable Guard	Stainless Steel	AISI 302 UNS S30200
Shaft Coupling	Stainless Steel	AISI 416 UNS S41600
Wear Ring (8T-950 only)	Bronze	B505 C93200

\*Note: 8" Bowls are Themec Porta-Pox N140 Epoxy Coated. Flanged Bowl Design on 8T-550, 650 & 750. Threaded Bowls on 8T-950 are pinned.

## Pentair Solutions

- ▶ BERKELEY 6" – 10" highly efficient pump designs, to 2200 GPM, to 1400 ft.
- ▶ PENTEK 6" and 8" motors and controls offering leading edge technology.
- ▶ PENTEK pump controllers for maximizing pump functionality.
- ▶ BEC2 powerful application software @ [www.bec2.net](http://www.bec2.net) unparalleled in the industry.
- ▶ Highly-trained customer service staff providing quick solutions at 1-888-BERKELEY.
- ▶ 2-year extended warranty program when BERKELEY pump is installed with a PENTEK motor.



**LENNTECH**  
WATER TREATMENT SOLUTIONS

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Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.