



## RECKITT 815T-F12 SUNKEN PUMP Heavy-Duty Industrial Submersible Pump

### PRODUCT OVERVIEW

The RECKITT 815T-F12 is a high-performance submersible pump designed for continuous operation in demanding environments. Engineered for abrasive service, solids handling, and high-temperature applications.

### TECHNICAL SPECIFICATIONS

Parameter	Value
Maximum Flow	20,000 GPM
Maximum Head	450 feet
Solids Handling	Up to 3 inches
Discharge Size	Up to 10 inches
Motor Protection	Cooling Jacket & Heat Exchanger
Temperature Range	High temperature liquid capability
Impeller Options	Enclosed / Delta

### IMPELLER OPTIONS

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### ENCLOSED IMPELLERS

- Handle solids 2" and larger
  - Flows up to 20,000 GPM
  - Heads up to 450'
  - Ideal for general industrial applications
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### DELTA IMPELLERS

- Handle stringy materials, rags, fibrous content
  - Flows up to 5,000 GPM
  - Heads up to 400'
  - Available in pumps with up to 10" discharge
  - Perfect for wastewater and sewage applications
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## MOTOR PROTECTION SYSTEMS

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### COOLING JACKET

- Protects motor during extended low liquid level operation
- Extends motor life in demanding conditions
- Maintains performance in high-temperature environments

### HEAT EXCHANGER

- For handling high temperature liquids
  - Prevents overheating during continuous operation
  - Ensures reliable performance in extreme conditions
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## AUTO-COUPLING SYSTEM (Seal Pumps Design)

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The RECKITT 815T-F12 features the advanced Seal Pumps auto-coupling system:

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### COMPONENTS

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- Cast iron discharge elbow
  - Bronze guide claw flange
  - Stainless steel upper guide rail brackets
  - Stainless steel intermediate guide rail brackets
  - High quality non-spark operation
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#### Benefits:

- ✓ Easy installation and removal
  - ✓ No need to enter the wet well
  - ✓ Secure, leak-proof connection
  - ✓ Corrosion-resistant materials
  - ✓ Non-spark design for safety
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#### ENGINEERING EXCELLENCE

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Altec Pumps & Valves submersible pumps are designed to be continuously submerged while maintaining superb operating efficiencies. Key engineering features:

- Premium efficient electric motor or hydraulic power options
  - Heavy walled volutes for extended life under abrasive service
  - Continuous submersion capability
  - Optimized hydraulic design for maximum efficiency
  - Robust construction for industrial environments
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#### KEY FEATURES & BENEFITS

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- ✓ Enclosed impellers for solids handling up to 3"
  - ✓ Delta impellers for stringy materials and rags
  - ✓ Cooling jacket for motor protection
  - ✓ Heat exchanger for high-temperature liquids
  - ✓ Heavy walled volutes for abrasive service
  - ✓ Non-spark auto-coupling system
  - ✓ Premium efficient motors for energy savings
  - ✓ Hydraulic power option available
  - ✓ Continuous submersion design
  - ✓ Easy maintenance with back pull-out design
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## INDUSTRIAL APPLICATIONS

- Mining and Quarrying
- Construction Dewatering
- Municipal Wastewater
- Industrial Processing
- Flood Control
- Marine and Dockside
- Aggregate and Slurry Handling
- High-temperature liquid transfer

## MATERIALS OF CONSTRUCTION

Component	Material
Volutes	Heavy walled cast iron
Discharge Elbow	Cast iron
Guide Claw Flange	Bronze
Guide Rail Brackets	Stainless Steel
Impeller Options	High-chrome / Duplex options available

## PERFORMANCE CURVE HIGHLIGHTS

Flow (GPM)	Head (ft)	Efficiency (%)
5,000	440	82
10,000	420	84
15,000	380	83
20,000	320	80

Note: Performance varies with impeller trim and application.

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## DIMENSIONS (Approximate)

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Dimension	Size
Overall Length	[Insert dimension]
Overall Width	[Insert dimension]
Overall Height	[Insert dimension]
Discharge Size	Up to 10"
Weight	[Insert weight]

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## CERTIFICATIONS & STANDARDS

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- ISO 9001:2015 certified manufacturing
  - API 610 compliant (applicable models)
  - ASME B16.34 design standards
  - CSA certified for Canadian applications
  - CE marked for European compliance
  - ATEX options available for hazardous locations
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## OPTIONAL CONFIGURATIONS

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- High-chrome impeller for extreme abrasion
  - Duplex stainless steel construction
  - Explosion-proof motor (ATEX / CSA)
  - Special voltages and frequencies
  - Custom impeller trims
  - Extended cable lengths
  - Level control systems
  - Variable frequency drive ready
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## QUALITY ASSURANCE

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Each RECKITT 815T-F12 pump undergoes:

- Hydrostatic pressure testing
- Performance curve verification
- Motor insulation testing
- Vibration analysis
- Run-in testing
- Dimensional inspection
- Material certification traceability

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ISO 9001:2015 Certified · API Compliant · CSA Approved  
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