

ROTO-JET® PUMP

High Pressure Pitot Tube Pumps



Model RO D850

High Pressure Single-Stage Centrifugal Pump With Advanced Pitot Tube Technology

Advanced Design

- High pressure without high speed
- Flexible: Performance can be adjusted by changing the pitot tube
- Simple: Only two basic working parts

Dependable Performance

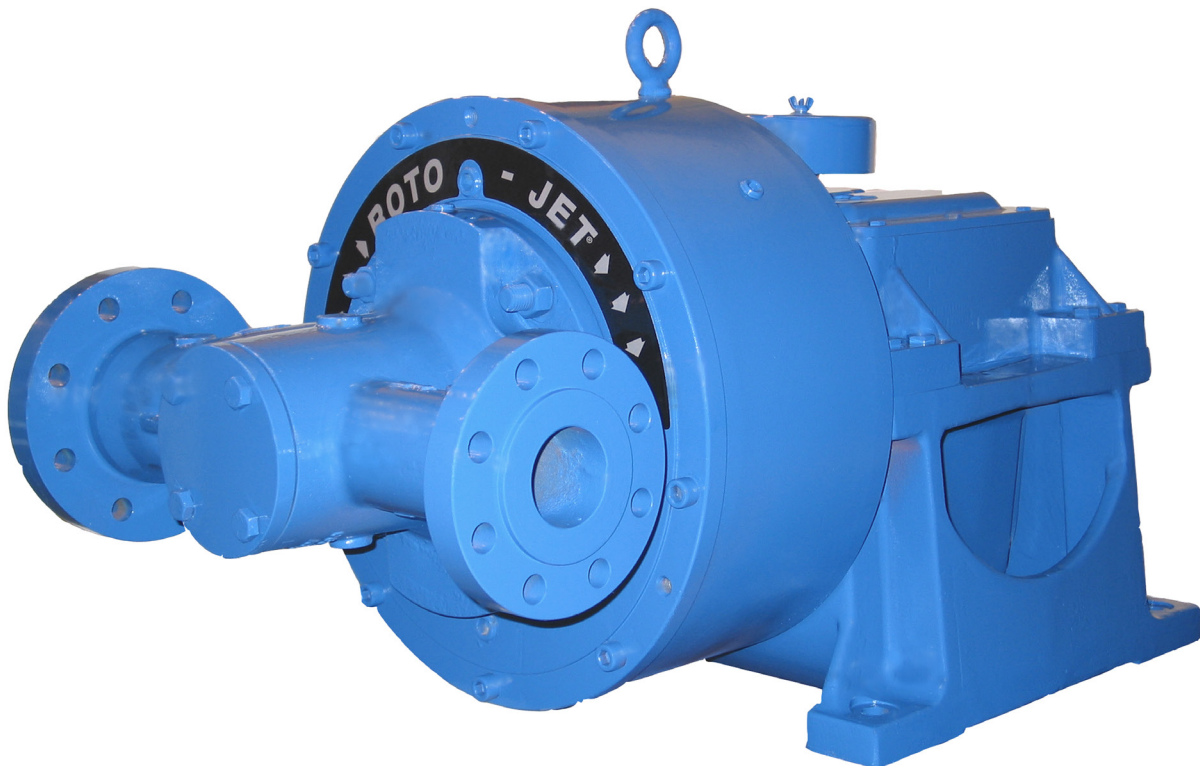
- Hydraulically stable along the entire performance curve and beyond BEP
- Low minimum flow requirement
- Rugged design: Most reliable high pressure pump in the marketplace

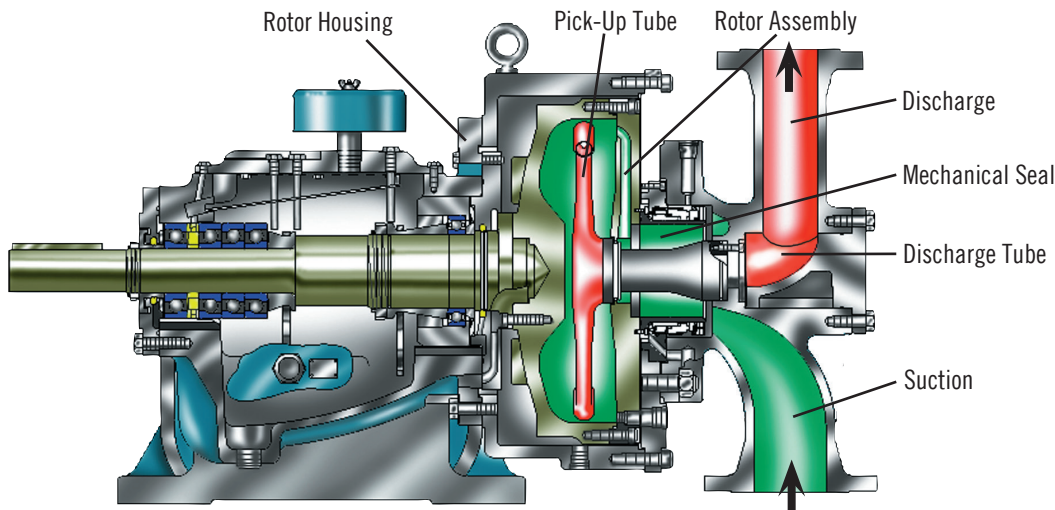
Enhanced Reliability

- Smooth, pulsation-free flow
- Low pressure mechanical seal is easily maintained
- Isolated bearing pedestal to minimize risk of bearing contamination

RO D850 Pump Features

- API design available
- Single or double mechanical seal
- Flanged connections
- Materials of construction: ductile iron, carbon steel, 316 stainless steel, CA6NM, and CD4MCu. Super duplex and Hastelloy are also available
- Oil lubricated bearings

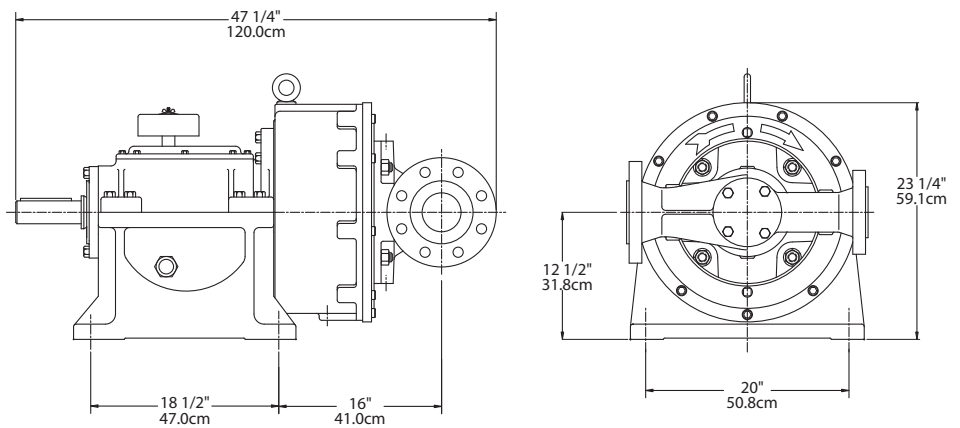




Roto-Jet RO D850

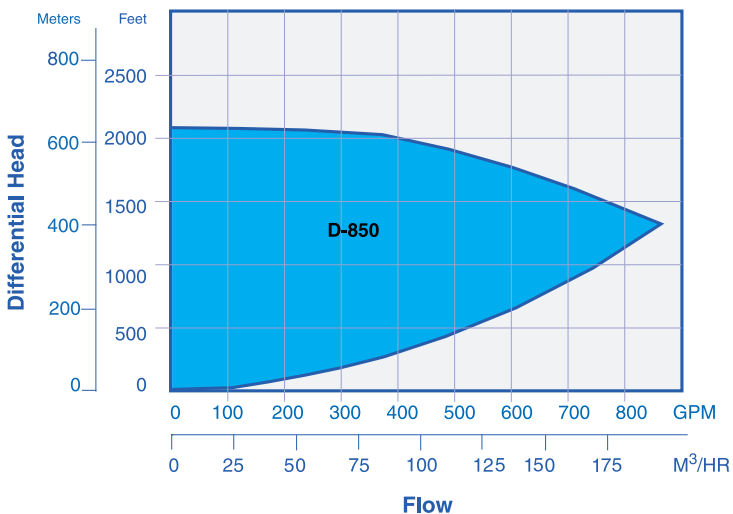
Typical Roto-Jet Model RO D850 Applications

- Food and beverage cleaning systems
- Reverse osmosis systems
- Automotive gun drilling coolant
- Spraying/washing systems
- High pressure paper shower
- Circuit board wash systems
- Water/process injection systems
- Seal flushing systems
- Boiler feed/cleaning systems
- Many more applications



Dimensions are for general reference only and will vary with actual model selected

Operating Range



Specifications: Roto-Jet RO D850		
Maximum temperature	250° F	121° C
(with flush)	550° F	288° C
Maximum suction pressure	150 PSI	10 BAR
Maximum head	2100 Ft.	640 m
Maximum speed	4380 RPM	4380 RPM
Maximum flow	750 GPM	170 m3/hr
Maximum horsepower	500 HP	373 KW
Weight	1300 lbs.	590 kg
Materials of Construction		
	Stainless Steel	
Rotor*	316 St. Steel	
Rotor cover*	316 St. Steel	
Manifold	316 St. Steel	
Endbell	Carbon Steel	
Pick-up tube**	17-4 PH	
Shaft	AISI 4140	

*Also available in Ductile Iron, CA6NM, CD4MCU and Hastelloy C

**Also available in 718 Inconel

Trillium Pumps USA SLC

440 West 800 South
 Salt Lake City, UT 84101
 USA
 Tel: 801-359-8731
 Fax: 801-530-7828
 email: rotojet@trilliumflow.com
 www.trilliumflow.com



© 2019, 2012, 2011 Trillium Flow Technologies. All Rights reserved

Roto-Jet is a registered trademark of Trillium Pumps USA SLC

Bulletin RO D850. v4. November 2019