

ROTO-JET®

High Pressure Pitot Tube Pumps

Excellent
Engineering
Solutions



Model RO D-850

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

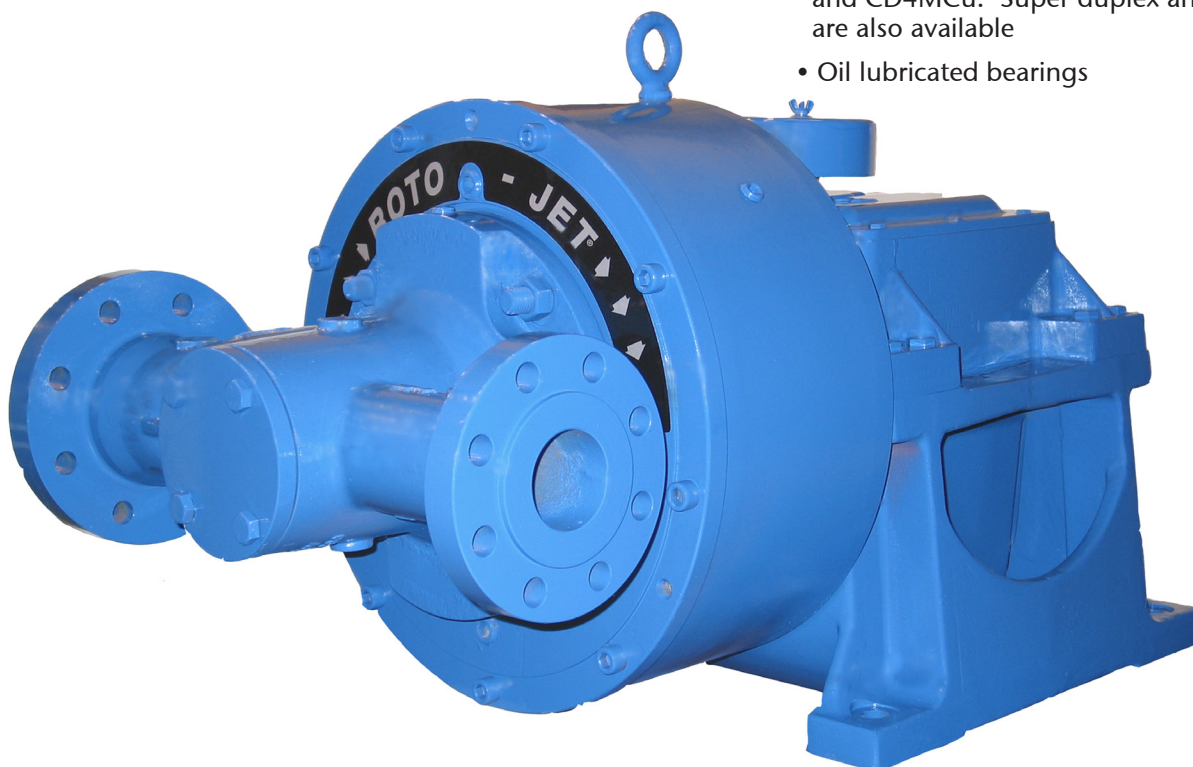
- Hydraulically stable along the entire performance curve and beyond BEP
- Low minimum flow requirement
- Rugged design - most reliable high pressure pump in the marketplace

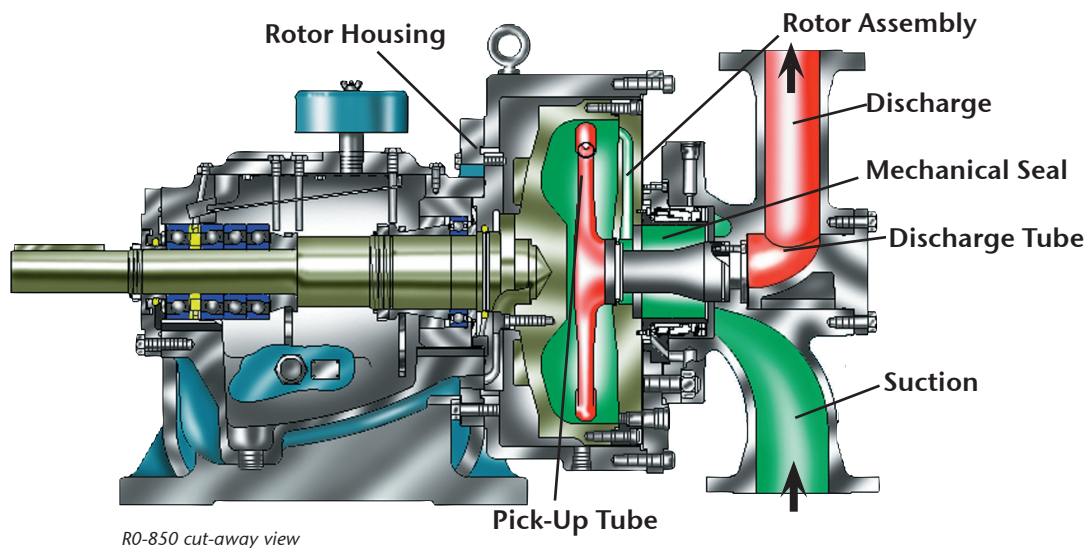
Enhanced Reliability

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

RO D850 Pump Features

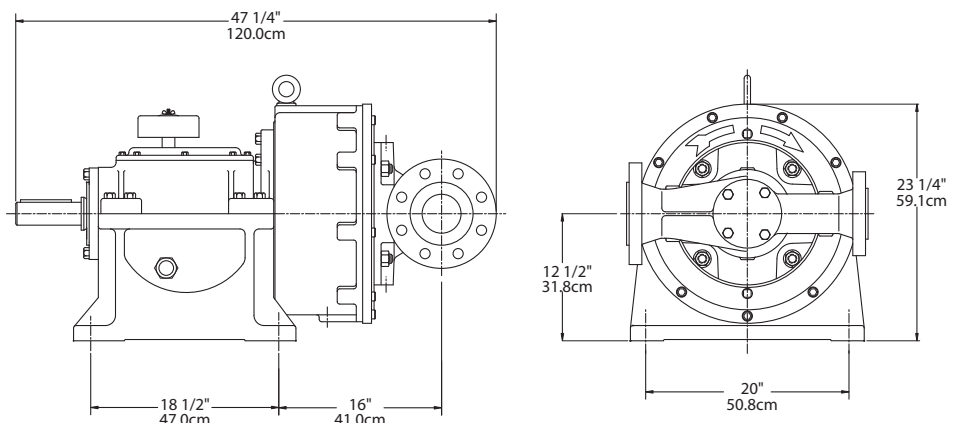
- API design available
- Single or double mechanical seal
- Flanged connections
- Materials of construction: ductile iron, carbon steel, 316 stainless steel, CA6NM, and CD4MCu. Super duplex and Hastelloy are also available
- Oil lubricated bearings



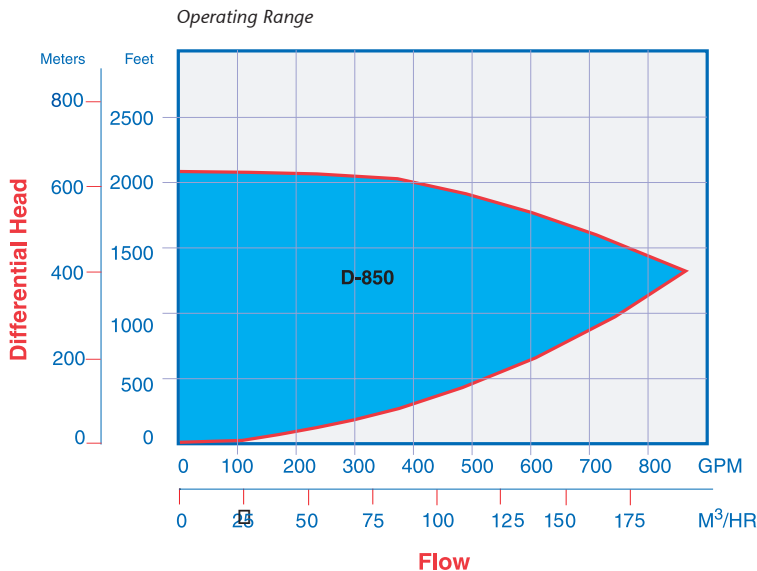


Typical Roto-Jet Model RO-D850 Applications

- 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
- And many, many more...



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



Specifications RO D-850		
Maximum Temperature (with flush)	250° F 550° F	121° C 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	600 HP	450 KW
Weight	1300 lbs.	590 kg
Materials of Construction		
Rotor*	Stainless 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

Weir Specialty Pumps

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