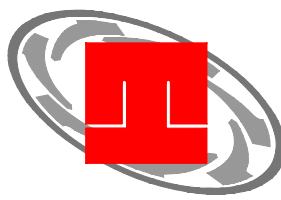


# TCH 100

## End-Suction Centrifugal Pump for Handling Clean to Slightly Contaminated Liquids



# travaini

- HEAD** : 35 to 450 FT.  
**CAPACITY** : To 1800 USGPM  
**FEATURES** : Oversized 316SS shaft to minimize deflection and vibrations for optimal mechanical seal life; Positive bearing locking; Oversized bearings to handle both axial and radial loads; Volute cover and bearing housing designed as "Back Pull-Out" assembly for ease of servicing; Generous oil capacity for positive lubrication of the submerged bearings; Magnetic plug to trap metallic impurities from the oil; Corrosion allowance in excess of 3mm; High hydraulic efficiency and low NPSH requirements; Safety, durability, lower operating costs; Optional cooling water jacket design.
- SHAFT SEALING** : Crane 502 Carbon/SiCar/Viton single mechanical seal standard. Others available, including double seals.
- OPTIONS** : Bareshaft - Directly coupled to electric motor mounted on baseplate.
- TEMPERATURE LIMITS** : GS & RA: Min. -20°C; Max. 280°C (Except for water)  
 A3, HC & DU: Min. -40°C; Max. 280°C (Except for water)
- MAX DISCHARGE PRESS** : 232 PSI (16 bar) to 248°F (120°C); 170 PSI (11 bar) to 536°F (280°C)
- FLANGES** : UNI 2223-2229 Drilled to ANSI B16.5 (Class 150)



### TECHNICAL DATA

PUMP TYPE		TCH 100-200		TCH 100-250		TCH 100-315	
Head, Max	FT	75	300	118	450	174	
Capacity, Max	GPM	920	1550	990	1800	935	
Speed	RPM	1750	3500	1750	3500	1750	

### MODEL DESIGNATION

TCH 100 - 200 A / 1X - C / GS	
T	Travaini Manufacturer
C	End Suction Centrifugal Pump
H	Impeller Series (Closed Type)
100	Discharge Flange Size (mm)
200	Nominal Impeller Diameter (mm)
A	Hydraulic Design Status
1X	Mechanical Design Status
C	Shaft Seal Type
GS	Materials of Construction

### STANDARD MATERIALS OF CONSTRUCTION

PART No.	DESCRIPTION	GS	RA	A3	HC	DU
102	Pump Casing	Ductile Iron		Stainless Steel AISI 316	Hastelloy C	ASTM-CN7M
161	Casing Cover					
210	Shaft	Incoloy 825				
524	Shaft Sleeve					
502	Wear Rings		ASTM-CN7M			
230	Impeller					
330	Bearing Housing	Cast Iron				

- For further information please consult Premier Fluid Systems Inc.



**Premier Fluid Systems**  
 Canadian Home of Travaini Pumps