

SPECIFICATION DATA

G-R HARD IRON FITTED BASIC PUMP
EQUIPPED WITH**Super
T SERIES****ERADICATOR**
Solids Management System

SELF-PRIMING CENTRIFUGAL PUMP

Model: T10C71SC-B

Various Patents Apply

Pump Specifications

Size	10" x 10" (254 mm x 254 mm) Flanged
Impeller Type	Semi-Open, Two Vane
Solids-Handling Capability	3" (76,2 mm) Spherical Diameter
Seal Type	Cartridge Type, Mechanical, Oil-Lubricated, Double Floating, Self-Aligning
Radial Bearing	Open Double Row Ball
Thrust Bearing	Open Double Row Ball
Bearing and Seal Cavity Lubrication	SAE 30 Non-Detergent Oil
Maximum Operating Pressure	99 psi (683 kPa)*
Max Temp of Liquid Pumped	160°F (71°C).*

Pump Materials

Casing	Gray Iron 30
Impeller	GR Hard Iron
Impeller Shaft	Stainless Steel 17-4 PH
Shaft Sleeve	Alloy Steel 4130
Seal: Stationary Face	Silicon Carbide
Rotating Face	Silicon Carbide
Elastomer	Fluorocarbon FKM, (Viton® or Equivalent)
Replaceable Front Wear Plate	GR Hard Iron
Replaceable Self Cleaning Front Wear Plate Insert	ASTM A569 Hardened Steel
Replaceable Rear Wear Plate	Carbon Steel ASTM A36
Removable Clean-out Cover Plate	Gray Iron 30 - 9 lbs. (4,0 kg.)
Flap Valve	Neoprene with Nylon and Steel Reinforcing
Seal Plate	GR Hard Iron
Bearing Housing	Gray Iron 30
Suction Flange	Gray Iron 30
Suction Head	Gray Iron 30
Gaskets	Buna-N, PTFE, Cork and Rubber
O-Rings	Buna-N
Hardware	Standard Plated Steel

*Consult Factory for Applications Exceeding Maximum Pressure and/or Temperature Indicated.

Standard Equipment: Brass Pressure Relief Valve, Bearing and Seal Cavity Oil Level Sight Gauges. Eradicator Solids Reduction System with Self-Cleaning Wearplate.**Optional Equipment:** Automatic Air Release Valve, Metal Bellows Seal, Tungsten Titanium Carbide Seal, 120V/240V Casing Heater, High Pump Temperature Shutdown Kit, Drain Kit, Gauge Kit.

Suction and Discharge Spool Flanges:

10" ASA Discharge Spool

250 mm DIN 2527 - PN 16 Suct. and Disch. (Specify Model T10C71SC-B /FM).



Shown with Optional Suction and Discharge Spool Flanges (Available in ASA or DIN Standard Sizes).

Super T Series With Eradicator Features and Benefits

Easy To Service And Maintain - Pump is mounted above liquid being pumped with only the suction line down in liquid.**Dual Bearing Protection** - An atmospheric barrier along with two lip seals provide additional protection of the pump bearings (not available on 2" models).**Inspection Cover** - Patented, lightweight inspection cover for easy access to the impeller without removing the entire backcover plate or piping. (2" - 8" models).**Self-Cleaning Wearplate** - Incorporating a number of notches and grooves, as well as a revolutionary tooth (tooth used on T3 - T10 models), that helps break up stringy materials and pass them through the pump without impacting performance or interrupting service. This greatly reduces troublesome clogging and expensive downtime.

5 Year Super T Series Warranty

Up To 3" Diameter Spherical Solids Handling (4" - 10" models).**Removable Rotating Assembly** - The entire rotating assembly can be removed without disturbing the pump volute or piping allowing the rotating assembly to be easily repaired or quickly replaced with a new ready to drop in assembly.

APPROXIMATE DIMENSIONS AND WEIGHTS

NET WEIGHT	1520 LBS. (690 KG.)*
SHIPPING WEIGHT	1600 LBS. (726 KG.)*
EXPORT CRATE	55.5 CU. FT. (1,57 CU. M.)

*Add 71 LBS. (32,2 KG.) w/each spool flange

