

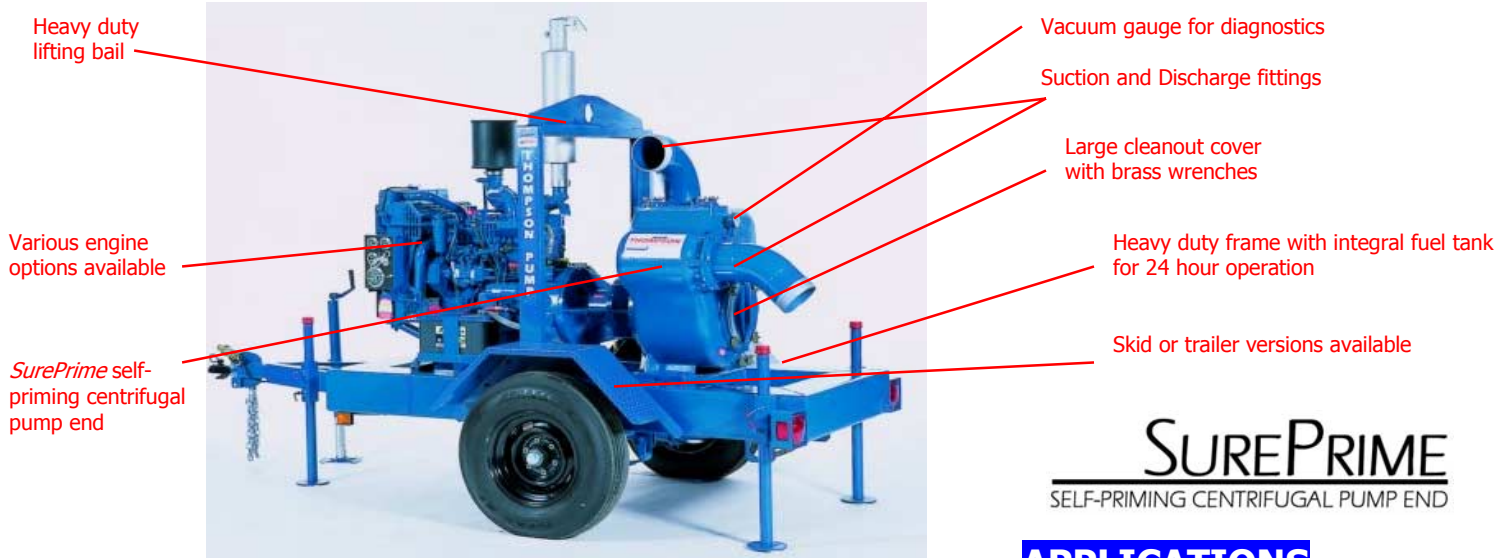


# TS SERIES OPEN TRASH/SEWAGE PUMPS



*We offer the world's best wet priming  
Heavy Duty Open Trash/Sewage Pumps  
with the SurePrime self-priming centrifugal pump end*

Our open trash/sewage pumps with the *SurePrime* self-priming centrifugal pump end are specified for the really tough jobs where a pump capable of handling large solids and/or abrasive material at high heads is needed. They outperform other centrifugal trash pumps on the market and cost less to operate. The quality and dependability engineered into each heavy duty trash pump provides the high performance you need to get the job done quickly.



**SUREPRIME**  
SELF-PRIMING CENTRIFUGAL PUMP END

## FEATURES

Model shown 6TS-DCST

- *SurePrime* centrifugal self-priming pump end assures reliable priming performance
- Heavy duty cast iron construction for long life
- Large solid handling capacity
- High flow and high head capability
- Ductile iron impeller
- 2 or 3-vane ductile iron impellers available
- Impeller inspection cover allows access for cleaning and repair without disturbing suction piping
- Cast iron rubber-lined, abrasion-resistant wear plate
- Double bearing support
- Quick start-up self-priming and automatic re-priming
- Dry running abrasion-resistant tungsten carbide mechanical seal with Viton elastomers
- Safety shutdown control panel standard
- Various diesel engine and electric motor options
- Simple low-cost maintenance

## APPLICATIONS

**Construction:** Dewatering excavations, canals and sumps; bypassing sewers and bodies of water; ground water dewatering; water supply from wells or canals; hosing down concrete castings

**Civil Engineering:** Sewage pumping; flood drainage; fire fighting; recovery of hazardous liquids

**Waste Treatment:** Sewer bypasses; pumping polluted hot or corrosive waste water containing sand, mud or solids in suspension; dosing neutralizing liquids; pumping out sludge

**Mining:** Wash-down operations; tailings; high head/high volume applications

**Industrial:** Transfer of neutral, acid or alkali clean or dirty liquids containing sand, mud or solids in suspension; low viscosity petroleum products

**Agricultural:** Surface irrigation; liquid manure oxygenation; transfer and spraying fertilizers or manure

*Note: Alternate pump end materials available for corrosive liquids*

In the interest of product improvement, we reserve the right to change specifications without incurring any obligation for equipment previously or subsequently sold. Capacity and Head are shown for comparative purposes. Consult engineering data for exact capabilities.

Coquitlam, BC, Tel.: (604) 941-6664 • Calgary, AB, Tel.: (403) 279-8371 • Edmonton, AB, Tel.: (780) 489-1961 • Saskatoon, SK, Tel.: (306) 933-4849  
Winnipeg, MB, Tel.: (204) 235-0050 • Concord, ON, Tel.: (905) 760-7530 • Ottawa, ON, Tel.: (613) 225-9600 • Sudbury, ON, Tel.: (705) 560-2141  
Thunder Bay, ON, Tel.: (807) 625-9960 • Pointe-Claire, QC, Tel.: (514) 695-0133 • Beauport, QC, Tel.: (418) 667-1694 • Val d'Or, QC, Tel.: (819) 825-0792  
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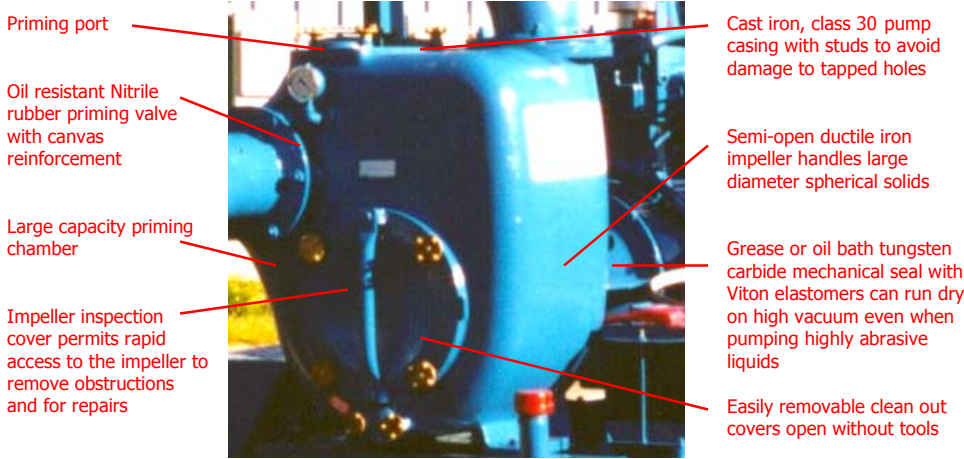
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# TS SERIES OPEN TRASH/SEWAGE PUMPS



## SUREPRIME SPECIAL FEATURES\*



## WORKING PRINCIPLE

The vacuum produced as the impeller rotates draws air into the pump where it is mixed with the liquid contained in the pump casing. The air/liquid mixture is driven into the priming chamber where the air separates out and is expelled through the delivery port while the liquid, due to its higher density, falls back and is recirculated.

When all of the air has been evacuated from the suction line, the pump is primed and operates like a normal centrifugal pump. It can also handle a mixture of air and liquid. The check valve mounted in the pump suction port ensures that sufficient liquid remains in the pump casing for repriming. In addition, the check valve prevents the liquid from draining out of the suction line so at restart no time is lost for re-priming.



Impeller: Two & three vane with rear equalizing vanes, non-clogging, semi-open, ductile iron



Mechanical seal: Tungsten carbide rotating and stationary seal faces with Viton elastomers with 304 stainless steel sleeves; grease or oil lubricated which allow the pump to run dry & operate on high vacuum even while pumping abrasive liquids.



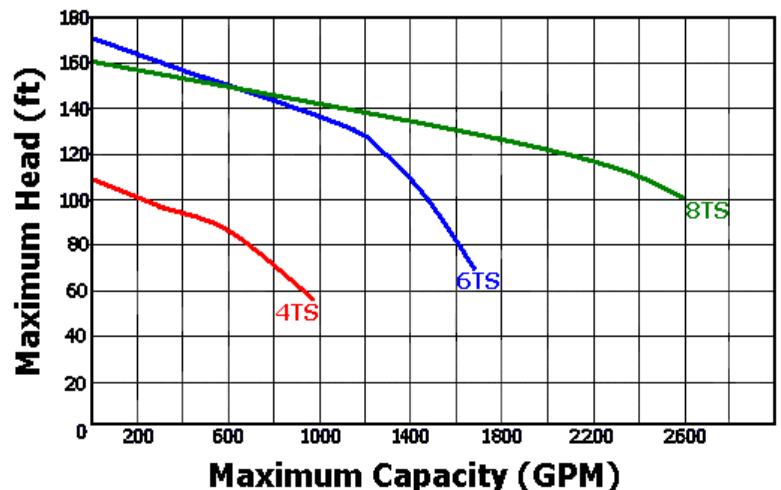
Wear plate: Easily replaceable cast iron, with abrasion resistant oil-proof rubber facing

*\*Some features not available on all models*

## MODEL SPECIFICATIONS

Unit Model	Size (In.)	Maximum* Capacity (GPM)	Maximum* Head (Ft.)	Maximum Solids (In.)
4TS	4	930	112	3.00
6TS	6	1,750	172	3.00
8TS	8	2,600	160	3.35

\* @ 2,200 RPM except 8TS @ 2,000 RPM



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