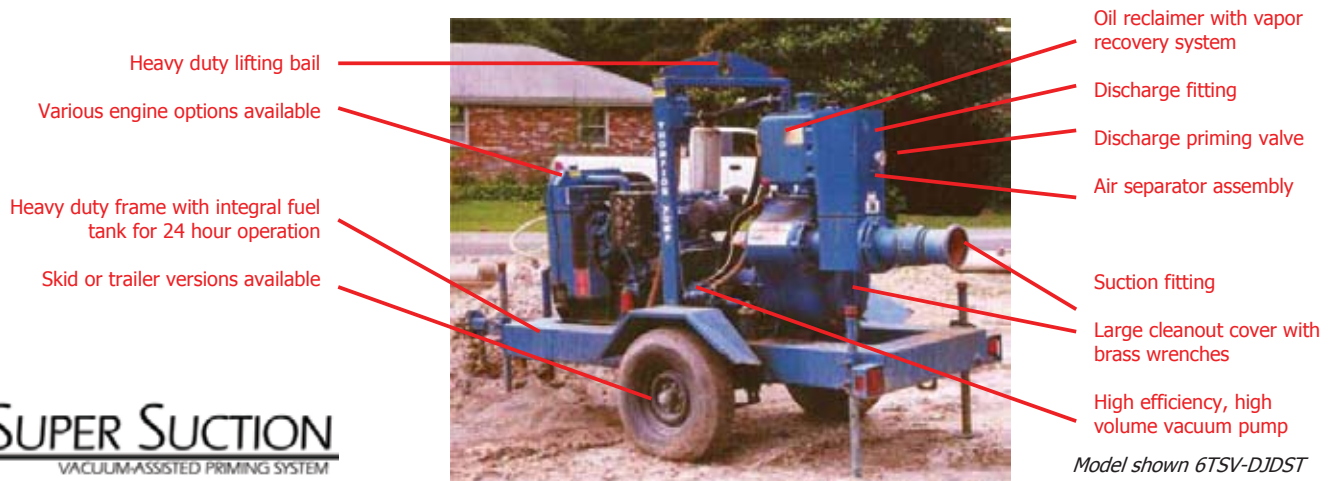


TSV SERIES *SUPER SUCTION* VACUUM-ASSISTED DRY PRIME TRASH PUMPS



Thompson dry priming Trash Pumps with the Super Suction vacuum-assisted priming system are designed for consistent and dependable service on the most difficult job sites

Derived from the rugged Thompson heavy duty wet priming centrifugal open trash/sewage pumps and improved by the addition of an auxiliary vacuum pump, these pumps are used in many situations including open pumping, wellpoint systems and sewage bypass. The pumps deliver the fastest priming in the industry and provide continuous pumping of liquids mixed with a high percentage of air. Even liquids containing high abrasives or solids in suspension flow through with ease. Thompson *Super Suction* vacuum-assisted pumps are especially useful in high lift situations not suitable for standard trash pumps.



Heavy duty lifting bail

Various engine options available

Heavy duty frame with integral fuel tank for 24 hour operation

Skid or trailer versions available

Oil reclaimer with vapor recovery system

Discharge fitting

Discharge priming valve

Air separator assembly

Suction fitting

Large cleanout cover with brass wrenches

High efficiency, high volume vacuum pump

Model shown 6TSV-DJDST

SUPER SUCTION
VACUUM-ASSISTED PRIMING SYSTEM

FEATURES

All the features of Thompson's TS Series Open Trash/Sewage Pumps and more...

- Automatic dry priming and re-priming to 30 feet
- Quick dry prime from 15 feet in 15 seconds
- Heavy duty cast iron construction for long life
- Large solid handling capacity
- High flow and high head capacity
- 2 or 3-vane ductile iron impellers available
- Impeller inspection cover allows easy access for cleaning and repair without disturbing suction piping
- Cast iron rubber-lined, abrasion-resistant wear plate
- 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; groundwater dewatering with wellpoint systems or sock underdrains; bypassing sewers and bodies of water; extended sumping; wellpoint dewatering; groundwater 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

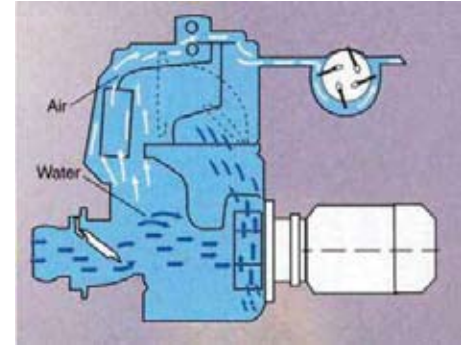
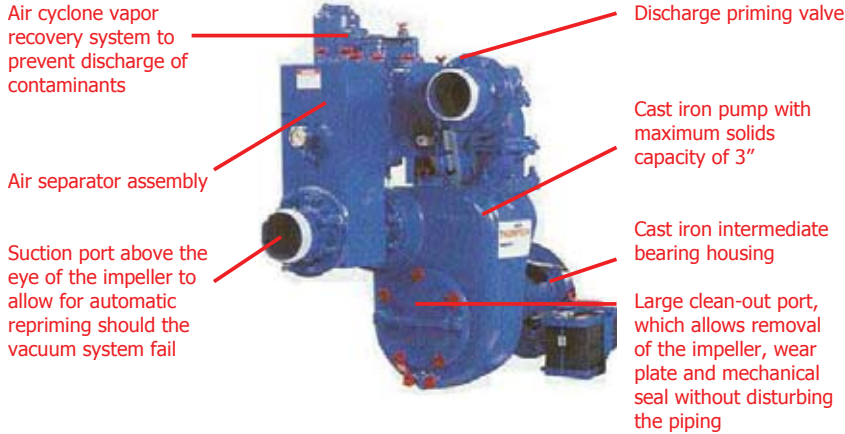
In the interest of product improvement, we reserve the right to change specifications without incurring any obligation for equipment previously or subsequently sold. Capacity and Head are shown for comparative purposes. Consult engineering data for exact capabilities.

Thompson Pump & Manufacturing Co., Inc. 4620 City Center Drive, Port Orange, Florida, USA 32119
Phone (800) 767-7310 • Fax (386) 761-0362 • www.thompsonpump.com

TSV SERIES *SUPER SUCTION* VACUUM-ASSISTED DRY PRIME TRASH PUMPS



SUPER SUCTION FEATURES AND BENEFITS



WORKING PRINCIPLE

Before reaching the pump impeller, the water / air mixture passes through a wide cross section tank where the flow rate drops sharply. As a result, the air mixed with the water tends to rise because of the different density and is drawn into the vacuum pump forcing the water to rise in the separation tank until a point of balance is reached. At this point, the pump almost exclusively handles water since the balance point level is above the impeller.

Another feature of the Thompson unit is that Thompson uses a self-priming pump. This means that in addition to the air handling capacity of the vacuum system there is additional air handling from the self-priming pump.

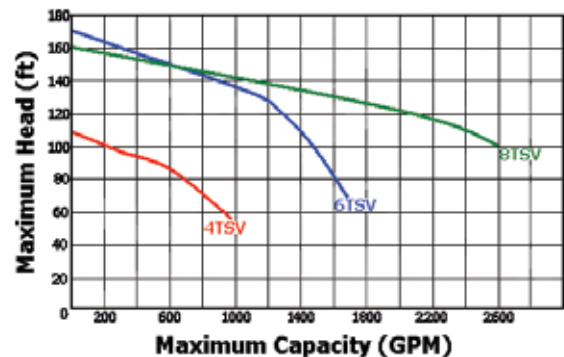
This makes the Thompson Super Suction vacuum-assisted unit the fastest priming system in the industry.

- Provides the fastest priming system in the portable pump dewatering industry
- Prevents discharge of pumping effluent onto the ground
- Eliminates the need for a waste hose
- Eliminates the need to fill the pump housing with water to obtain original prime at start-up

MODEL SPECIFICATIONS

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

* @ 2,200 RPM except 4TSV @ 2,000 RPM



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