

# Cantilever Sump Pump for Slurry and Sewage

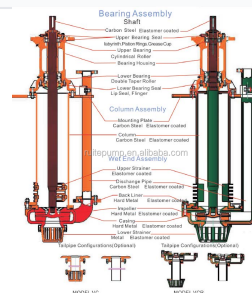
This heavy-duty cantilever sump pump is engineered for reliable and durable performance in demanding applications. Its design is ideally suited for continuously handling abrasive and corrosive liquids and slurries while submerged in sumps or pits.



## ADDITIONAL IMAGES



## Overview



Detailed breakdown of the bearing assembly, column assembly, and wet end components showing the cantilevered design.

### Heavy Duty Cantilever Sump Pump

The TS/TSR series is a heavy-duty cantilever sump pump designed for applications requiring greater reliability and durability than conventional vertical process pumps. Its robust cantilever design eliminates the need for submerged bearings or mechanical seals, making it ideally suited for continuous handling of abrasive and corrosive slurries. Available in both hard metal and elastomer-lined constructions, these pumps are engineered for the most demanding industrial environments.

## Key Features



Robust casing and mounting plate construction for stable industrial operation.

### Design Advantages

- Fully cantilevered design eliminates submerged bearings and packing
- Double suction impeller design reduces thrust load and eliminates shaft seals
- Optional recessed impeller for large particle handling
- Available in hard metal (TS) or rubber-covered (TSR) construction
- Suction agitator options available for settled solids

## Technical Performance

### Performance Range

**1492 m3/h**  
Max Capacity

**55 m**  
Max Head

**250 kW**  
Max Power

### Model Comparison Table

| Model | Capacity (m3/h) | Head (m)   | Max Power (kW) | Speed (rpm) |
|-------|-----------------|------------|----------------|-------------|
| 40PV  | 7.2 - 39.6      | 3.9 - 27.4 | 15             | 1000 - 2200 |
| 65QV  | 19.08 - 102.6   | 5 - 31.1   | 30             | 700 - 1500  |
| 100QV | 41.5 - 259.2    | 5.1 - 37.2 | 70             | 500 - 1200  |
| 150SV | 115.2 - 576     | 6.7 - 35.7 | 110            | 500 - 1000  |
| 200SV | 180 - 734.4     | 7.1 - 28.2 | 110            | 400 - 850   |
| 250TV | 363 - 1188      | 7 - 36     | 200            | 400 - 750   |
| 300TV | 385 - 1492      | 7.8 - 55   | 250            | 400 - 700   |

## Construction Materials



A fully assembled rubber-lined unit designed for corrosive and abrasive fluid handling.

### Material Options

Hard Metal, Elastomer Lined, Carbon Steel (Shaft/Column), Polyurethane (Impeller Option), Cast Iron

## Components



Comprehensive range of wear parts including impellers, liners, and bearing assemblies for easy maintenance.

### Available Components

- Impeller (Metal or PU)
- Volute Liner
- Pump Casing
- Bearing Assembly
- Shaft Sleeves
- Back & Front Liners
- Lower Strainer
- Expeller

## Applications



Heavy-duty vertical pumps ready for industrial installation in sumps and pits.

### Common Applications

Mining Slurry • Sewage Treatment • Industrial Effluent • Abrasive Liquids • Corrosive Fluids • Sump & Pit Drainage