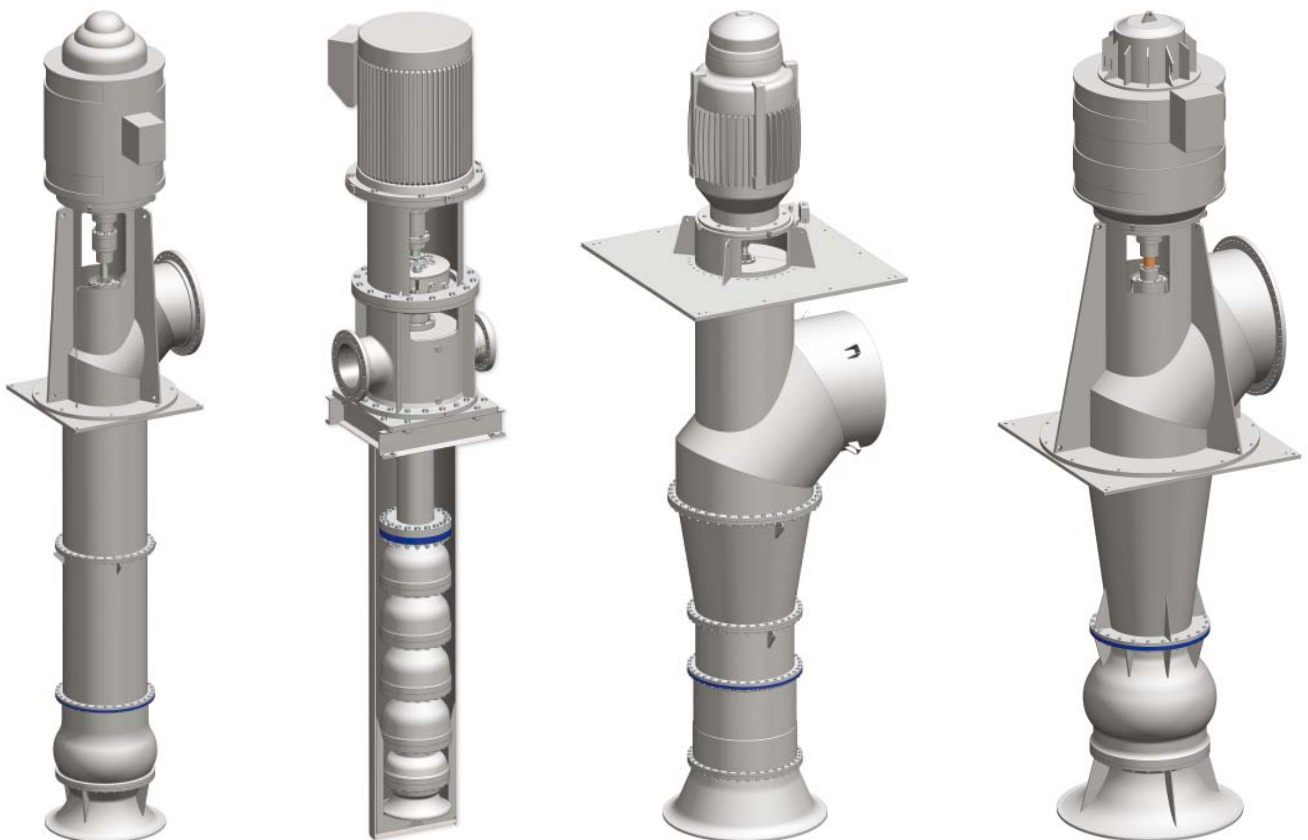


Vertical Pump Ranges



The Heart of Your Process

SJT Vertical Turbine Pumps

The SJT vertical turbine range offers incredible flexibility due to an extensive range of standard features. These include oil, grease, product or flushed bearing lubrication, sealing plans for all liquids, above or below ground discharge and a wide range of materials of construction. In addition, SJT pumps can be supplied in accordance with ISO 13709 (API 610) and other specifications. The SJT pump can be supplied as both a lineshaft/open sump or can design.

A pre-configured product, the JTS, is also available. Inventory for 22 different models up to 20" for quick ship and re-bowl applications is maintained.

Vertical turbine pumps are typically used when a liquid needs to be pumped upward from ground water tables, manmade underground storage, or open bodies of liquid. They are also used in inline applications such as pipelines, booster and low NPSH (Net Positive Suction Head) systems.



SJT

JTS

Operating Data

	50 Hz	60 Hz
Pump sizes	150 to 3,000 mm	6 to 120 inches
Capacities	9 to 52,000 m ³ /h	40 to 250,000 USgpm
Heads	up to 115 m per stage	up to 380 feet per stage
Pressures	up to 40 bar	up to 600 psi
Temperatures	up to 230 °C	up to 450 °F

SJM Vertical Mixed Flow Pumps

SJM vertical mixed flow pumps are ruggedly designed for years of trouble free operation in a wide variety of applications. The basic components of discharge head, column pipe and bowl assembly are combined and customized to match individual duty needs. The broad range of material options ensures the materials of construction can be matched to individual installation needs.

The pump is used for raw water supply in municipal applications, drainage, flood control, and power plant water circulation.



Operating Data

	50 Hz	60 Hz
Pump sizes	200 to 1,750 mm	8 to 70 inches
Capacities	180 to 52,000 m ³ /h	800 to 250,000 USgpm
Heads	up to 29 m	up to 95 feet
Pressures	up to 17 bar	up to 250 psi
Temperatures	up to 135 °C	up to 275 °F

SJP Vertical Axial Flow Pumps

The SJP range of vertical, axial flow (propeller) pumps is specifically designed for high flow low head duties. It can be manufactured from a variety of metallurgies to extend pump life and performance. Above and below base discharge connections are available to suit all existing pipe design variations.

Widely used in irrigation, flood control, drainage and condenser circulation applications, SJP pumps are designed for continuous service for extended periods of time.



Operating Data

	50 Hz	60 Hz
Pump sizes	200 to 2,120 mm	8 to 72 inches
Capacities	200 to 54,500 m ³ /h	900 to 240,000 USgpm
Heads	up to 12 m	up to 40 feet
Pressures	up to 2 bar	up to 30 psi
Temperatures	up to 50 °C	up to 120 °F

Vertical Multistage Can Pumps

Can pumps are specified wherever NPSHa is limited, due to either system constraints or liquids operating near to their vapor pressure. Sulzer Pumps offers a vertical multistage can pump for condensate extraction (SJD CEP). It is a bowl diffuser pump in one of either two designs:

- single suction first stage impeller
- double suction first stage impeller for applications with high flow and low NPSHa

Sulzer Pumps also supplies vertical multistage can pumps in accordance with ISO 13709 (API 610) and other specifications. The SJD API for process applications is designed for liquefied petroleum gas booster services, cryogenics as well as for general refining and other medium to high pressure duties.



SJD CEP

SJD API

Operating Data

	50 Hz	60 Hz
Pump sizes	150 to 1,360 mm	6 to 54 inches
Capacities	9 to 18,000 m ³ /h	40 to 70,000 USgpm
Heads	up to 1,830 m	up to 6,000 ft
Pressures	up to 150 bar	up to 2,150 psi
Temperatures	up to 205 °C	up to 400 °F

www.sulzerpumps.com

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