

SJD (CEP) Vertical Multistage Can Pump for Condensate Extraction

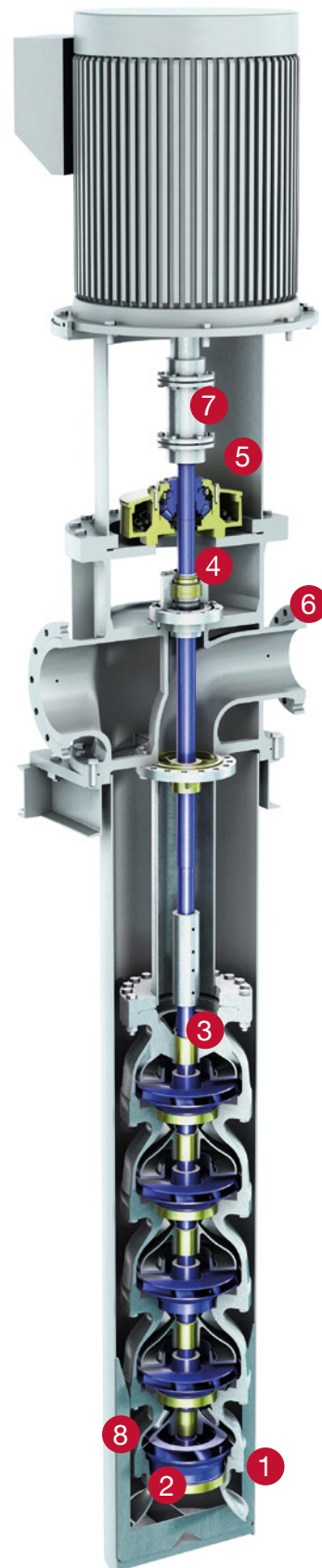


Main Applications

Sulzer SJD (CEP) pumps are specified wherever limited Net Positive Suction Head (NPSH) is available, either due to system constraints or liquids operating near their vapor pressure. Typical uses include high temperature condensate extraction and heater drain pumps in:

- Thermal power plants
- Nuclear power plants
- Industrial power plants
- Concentrated Solar Power (CSP) plants

SJD (CEP) Single Suction



SJD (CEP) Double Suction



Features and Benefits

- 1 Single suction high Nss (suction specific speed) or double suction low Nss first stage**
 - Reduced Net Positive Suction Head required (NPSHr)
- 2 Replaceable wear ring surface for impellers and bowls**
 - Allows conservation of the running clearances
- 3 Carbon graphite product lubricated bearing in bowls and columns**
 - Long maintenance-free periods
- 4 Shaft sealing by single or double mechanical seal with removable seal housing**
 - Allows servicing throttle bushing without removing the head
- 5 Axial thrust bearing in pump or in motor**
 - Adaptable to IEC or NEMA motors
- 6 Cast of fabricated suction and discharge head with separate fabricated driver stand**
 - Allows using one suction and discharge head per pump size
- 7 Spacer coupling**
 - Allows servicing the mechanical seal and thrust bearing as needed
- 8 Can provided with lateral and anti-rotational ribs**
 - Uniform inlet velocity along the can length

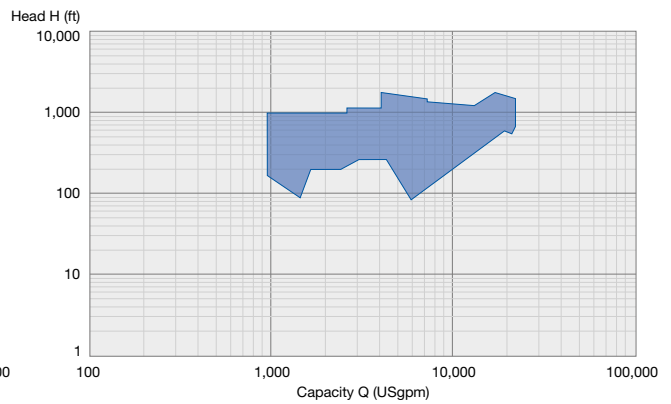
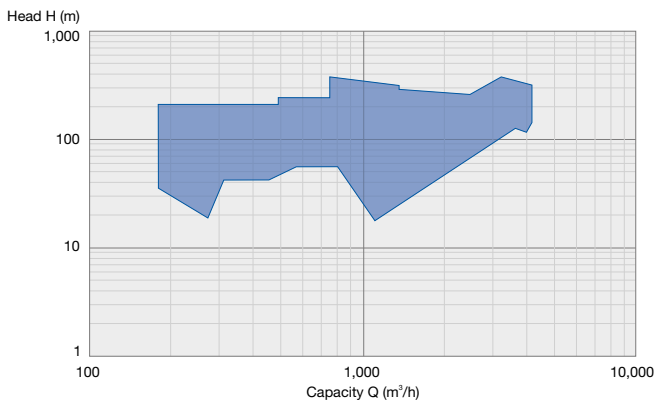
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Operating Data

50 Hz		60 Hz	
315 to 1,484 mm	Bowl sizes	15.4 to 63.1 inches	
210 to 4,900 m ³ /h	Capacities	924 to 21,560 USgpm	
up to 400 m	Heads	up to 1,300 feet	
up to 40 bar	Pressures	up to 580 psi	
up to 100°C	Temperatures	up to 212°F	

Performance Ranges



Materials

Pump part	Material
Bowl	Cast iron, carbon steel, chrome steel
Impeller	Cast Iron, chrome steel
Shaft	Chrome steel
Can, column, discharge head	Carbon steel

We Do What We Say

Customer Partnership

- We are **reliable partners**.
- We provide a **high level of service**.
- We **make our customers more competitive**.



Committed People

- We drive **accountability**.
- We are **open and transparent**.
- We are **team players**.



Operational Excellence

- We **focus on results**.
- We take **initiative** and work within **established processes**.
- We **act safely**.



A Global Specialist at Your Doorstep

Sulzer serves clients worldwide through a network of over 150 production and service sites and has a strong footprint in emerging markets.





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