

## **SMN Axially Split Casing Double Suction Pump**

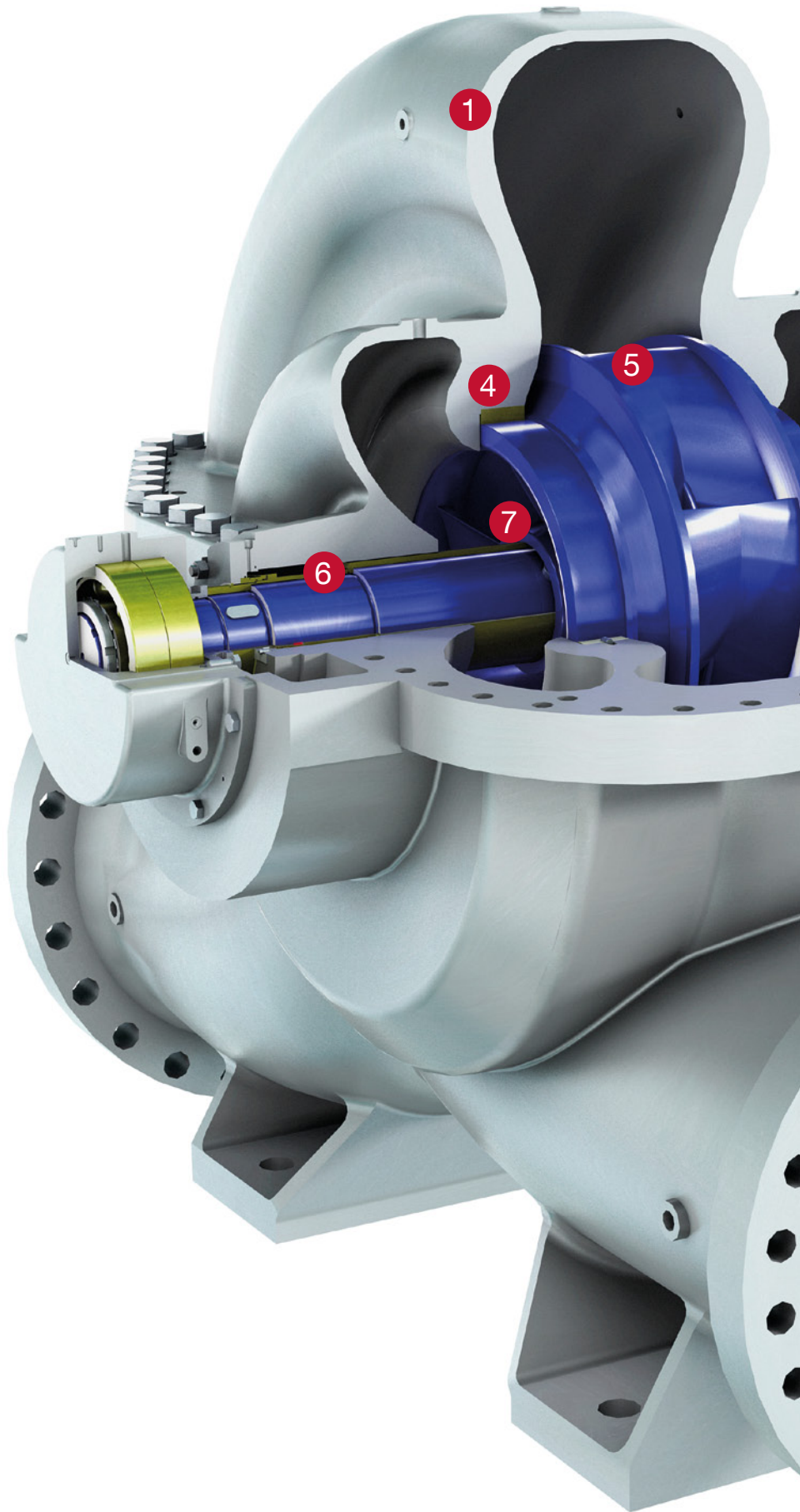


## Main Applications

SMN double suction axially split pumps are used to pump water in municipal installations and in general industry.

Available in over 50 different sizes and in vertical configuration, they provide broad hydraulic coverage with excellent efficiency over a wide range of flows and head. They are mainly used in the following applications:

- Water intake, treatment and supply
- Irrigation and drainage systems
- Cooling and heating systems
- Desalination
- Industrial water applications





## Features and Benefits

### **1 Axially split casing**

- Suction and discharge branches in lower half
- Provides easy maintenance
- Complete rotor can be inspected and refurbished without disturbing the main pipework or the driver

### **2 Heavy duty rotor bearings**

- Designed for long bearing life with assured lubrication

### **3 Heavy duty shaft**

- Stiff design for hard service conditions

### **4 Replaceable wearing rings**

- Lower maintenance costs

### **5 Double entry impeller**

- Optimum vane geometry provides high efficiency, low Net Positive Suction Head (NPSH) requirement and quiet running over a wide operating range

### **6 Shaft sealing**

- By means of gland packing or mechanical seal; cartridge mechanical seal possible

### **7 Hydraulic geometry optimized**

- Provides ideal flow patterns with low velocities for high efficiency and quiet running

### **8 Volute**

- Single or double volute, reducing this way radial thrusts

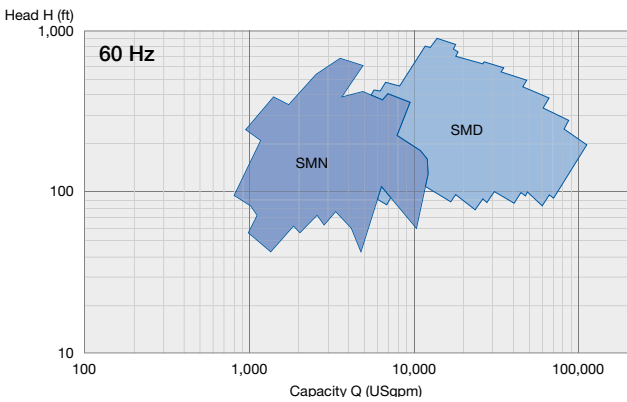
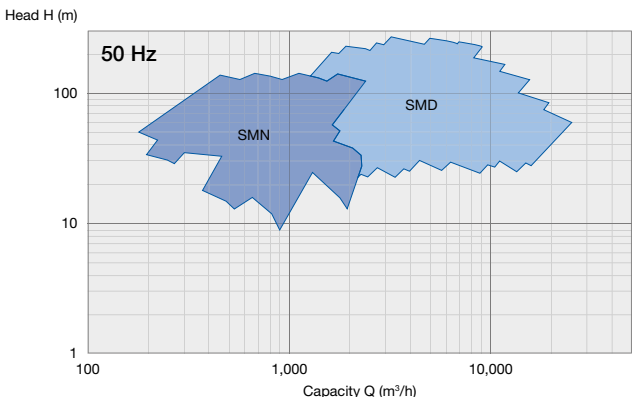
# SMN Axially Split Casing Double Suction Pump



## Operating Data

50 Hz		60 Hz
150 to 800 mm	Pump sizes	6 to 32 inches
10,000 m³/h	Capacities	44,000 USgpm
200 m	Heads	650 feet
30 bar	Pressures	435 psi
-10 to 50°C	Temperatures	15 to 120°F

## Performance Ranges



## Materials

Item	Material Class				
	312	332	342	352	372
Casing	Nodular cast iron	Nodular cast iron	Nodular cast iron	Nodular cast iron	Nodular cast iron
Shaft	Carbon steel 4140	Carbon steel 4140	Carbon steel 4140	Carbon steel 4140	Carbon steel 4140
Double suction impeller	Grey cast iron	Nodular cast iron	Bronze	12% - Chrome steel	Stainless steel
Casing wear ring	Grey cast iron	Grey cast iron	Grey cast iron	Grey cast iron	Grey cast iron

# 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**.



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Sulzer is recognized for excellent product quality, performance reliability and technical innovation. A truly global company, we are close to customers with:

- a network of 22 manufacturing facilities
- more than 60 service centers
- worldwide sales office presence







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