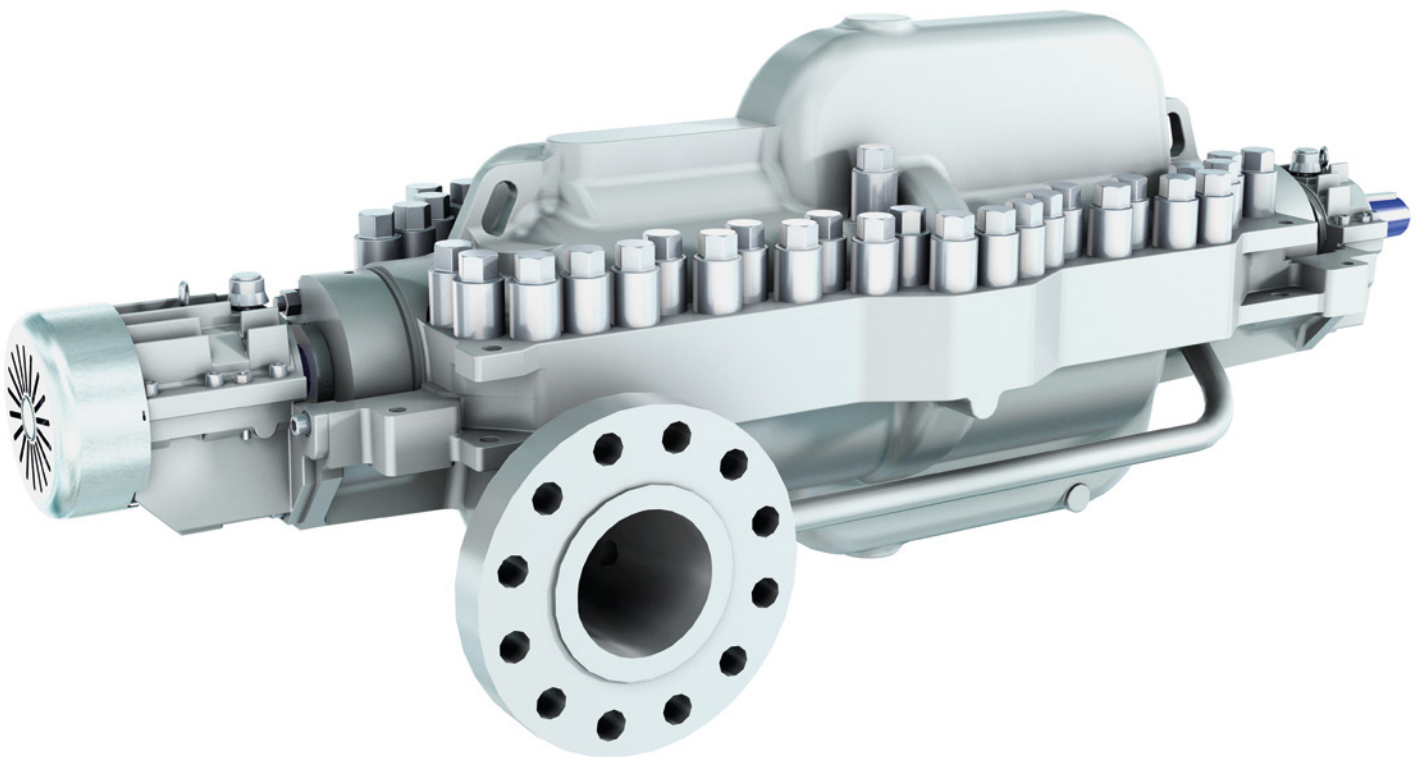
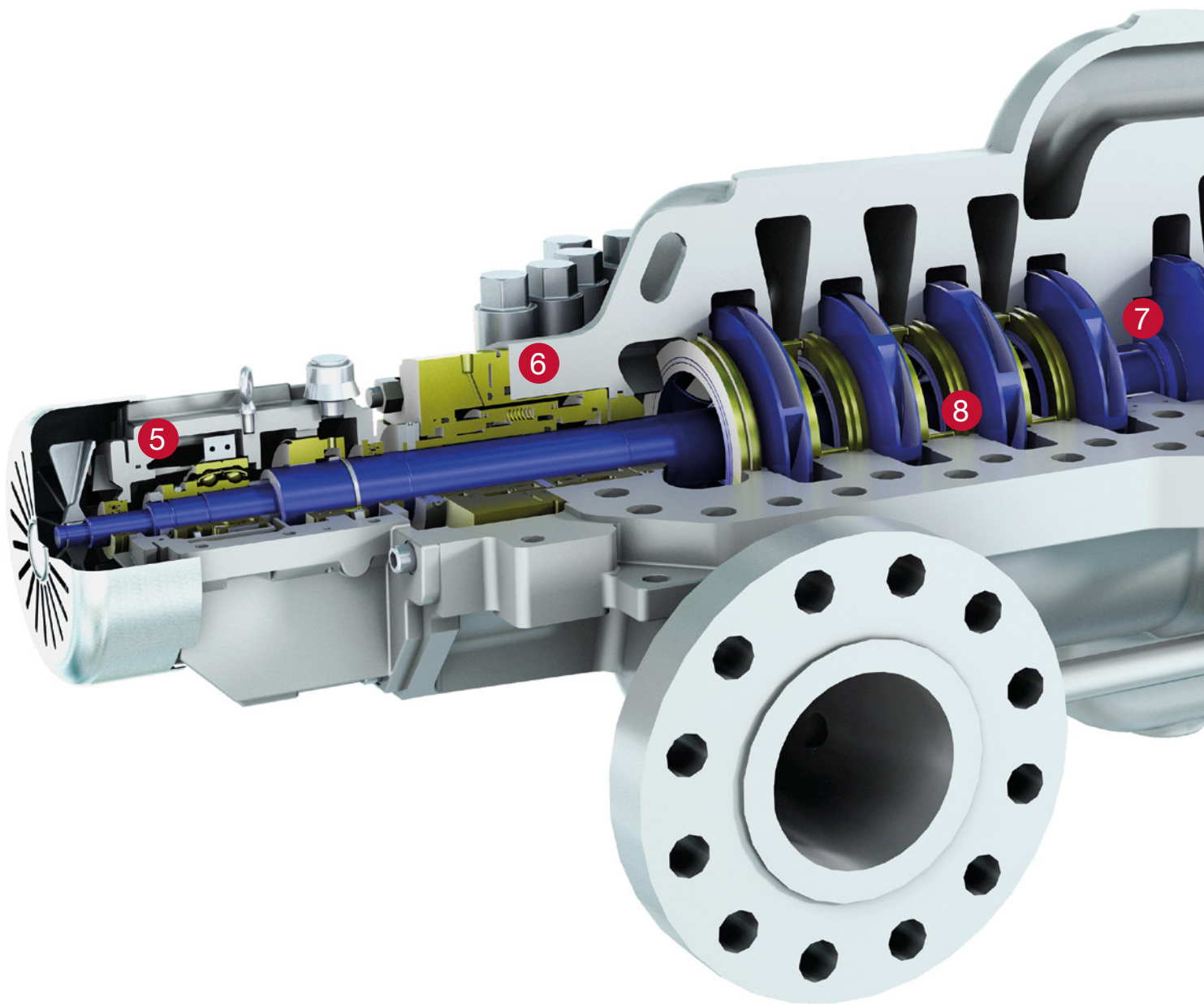


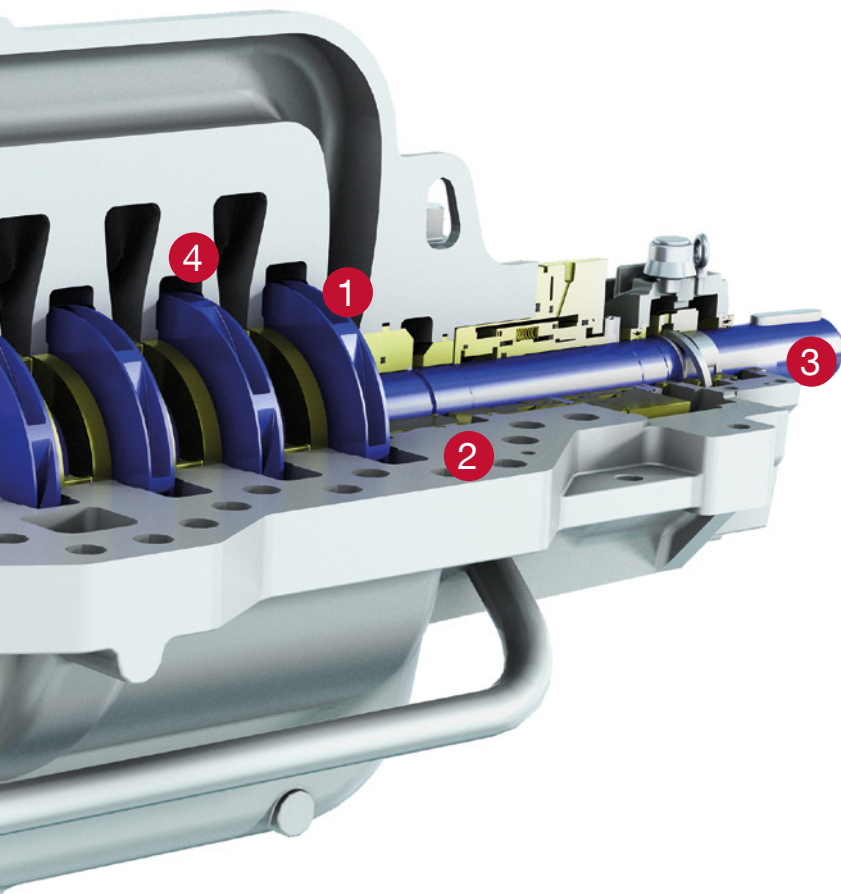
MSD/MSD2 Axially Split Multistage Pump



Main Applications

- Boiler feed in all industries; auxiliary feed in nuclear power
- Reverse osmosis feed
- Offshore crude oil shipping
- Refined product pipeline
- Supercritical Liquefied Petroleum Gas (LPG), Ethylene and CO₂ compressible services down to 0.25 sp.gr.





Features and Benefits

1 Impellers

- Shrink fit, precision cast, dynamically balanced and individually secured

2 Axially split casing

- Simplifies rotor balancing, inspection and installation, case passageway inspection and modification, and spare rotor retrofits
- Support is near centerline for alignment
- Full range of design pressures to suit applications

3 Large diameter shaft

- Stepped for ease of assembly
- Sized to satisfy rotor dynamics and power transmission with worn clearances
- Optimized for hydraulic performance

4 Double volute construction

- Minimum radial thrust for less shaft deflection and less bearing loading

5 Bearings

- Ball radial and 7300 series ball thrust bearings are standard; sleeve/ball and sleeve/pivot shoe bearings are optional. INPRO™ isolators are standard

6 Seal chambers

- Easy access for maintenance
- Space for tandem and double mechanical seals
- Compliance with ISO-13709 (API610) dimensions

7 Split center bushing

- Facilitates rotor dynamic balance, inspection, removal and replacement

8 Replaceable wear rings

- Pinned and axially retained impeller and case wear rings are standard

MSD/MSD2 Axially Split Multistage Pump



Oil & Gas



Hydrocarbon
Processing
Industry



Power
Generation



Pulp and
Paper



General
Industry



Chemical
Processing
Industry



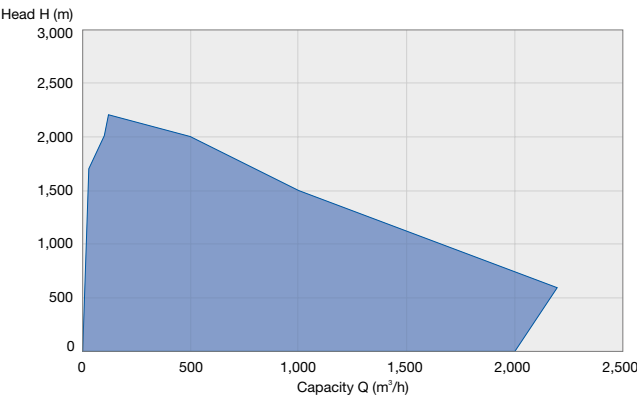
Water

Operating Data

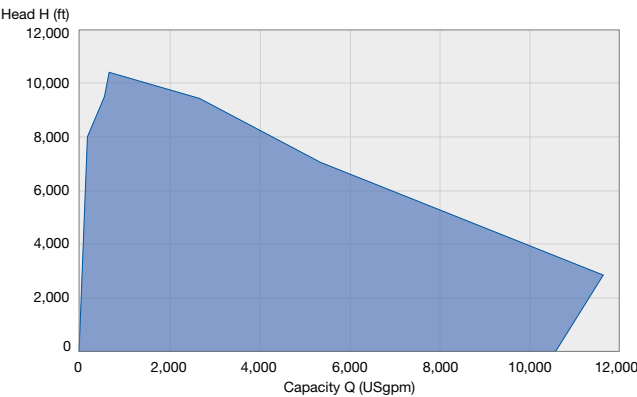
50 Hz		60 Hz
80 to 400 mm	Pump sizes	3 to 16 inches
up to 3,200 m ³ /h	Capacities	up to 14,000 USgpm
up to 2,900 m	Heads	up to 9,500 feet
up to 300 bar	Pressures	up to 4,400 psi
up to 200°C	Temperatures	up to 400°F
over 6,000 rpm	Max. speed of rotation	over 6,000 rpm

Performance Ranges

50 Hz



60 Hz



Materials

Material classes	Material
API610	S-5, S-6, S-8, C-6, A-8, D-1, D-2

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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