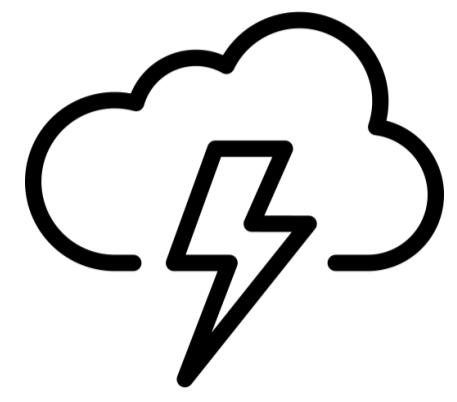


Horizontal and Vertical Split Case Pumps

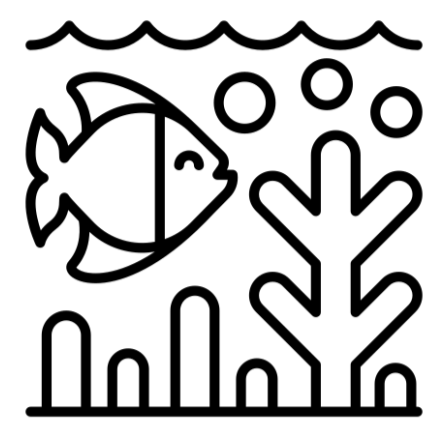
New-generation mechanical/electrical Horizontal and Vertical Split case pumps from **Wings Pumps** provides high reliability, reduced installation and maintenance costs, with a longer lifetime.

APPLICATIONS



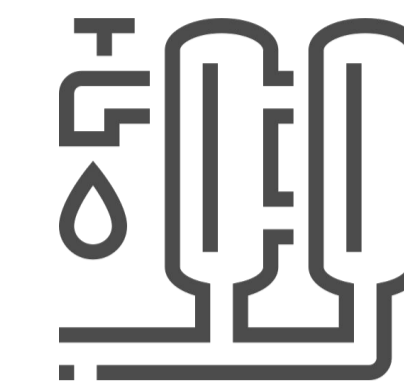
Storm Water Drainage

Supports structures, channels and pipes that carry stormwater (rain water) to ponds, lakes, streams and rivers.



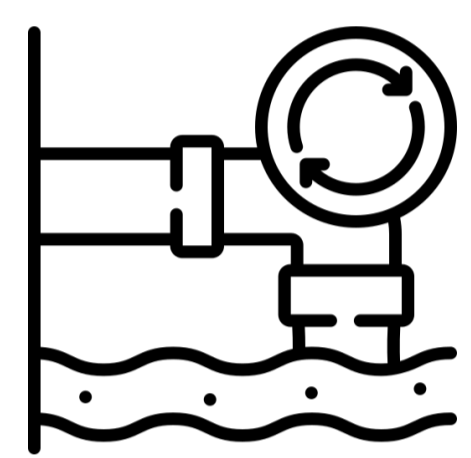
Irrigation and Aquaculture

Used for irrigation and aquaculture ecosystems. Environmentally-friendly.



Raw Water and Processed Water

Supports raw water intakes and applicable intakes for water treatment plants.



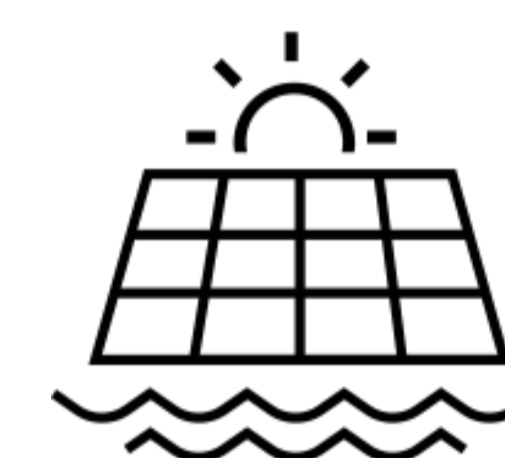
Sewage and Recirculation Sludge

Designed to move the thickest mixtures and pass large pieces of debris without damage or wear on the pump.



Municipality

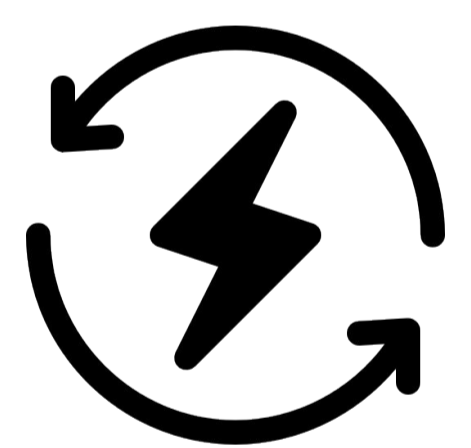
Well-Integrated with municipality work and projects with high requirements.



Renewable Energy

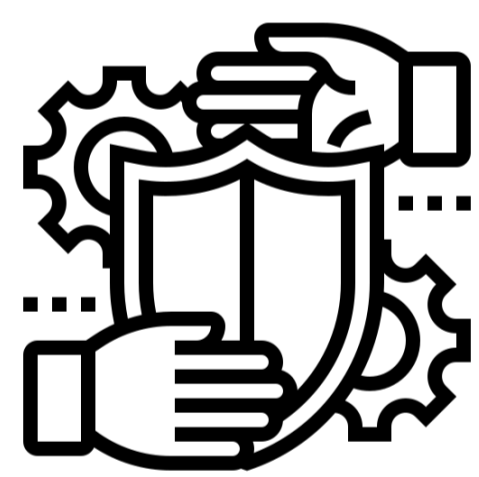
can be used with solar cells for sustainable energy with smart device that properly manage the process and prevent pump damage.

KEY BENEFITS



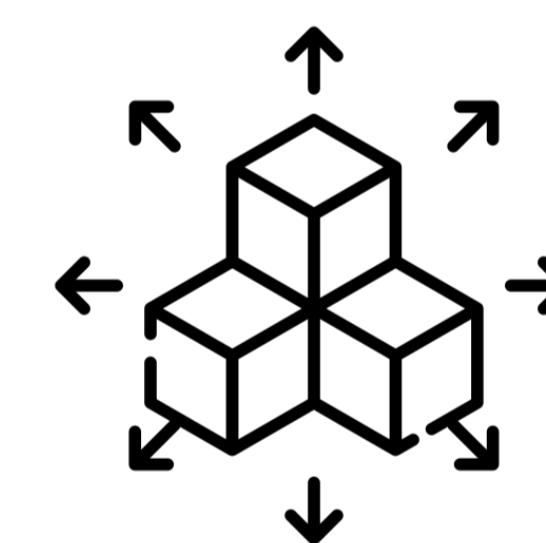
Better Power Consumption

Save more power with Premium Efficiency Motors.



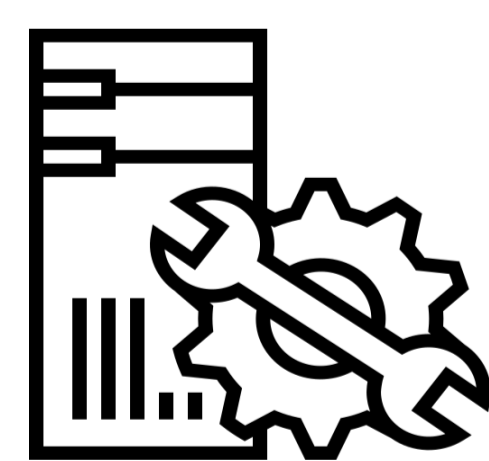
Stability and Reliability

Wings Pumps' advanced engineering provides better stability and reliability.



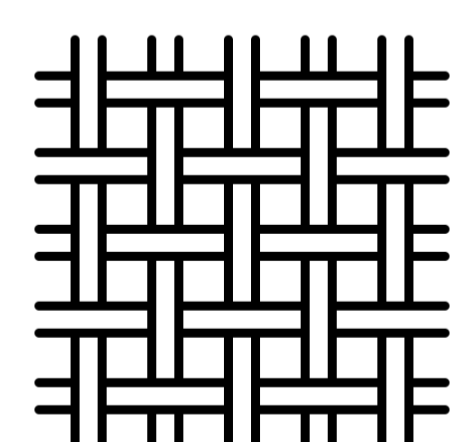
Wide Range of Operations

Wings Pumps are more versatile and can be used in a wide variety of operations.



High Flexibility in Installations

Wings Pumps can be installed perfectly in various situations and setups.



Flexibility in Material

Customize pumps with various material and composites to better suit your operations.



Internet of things

Through the cloud network system, the system organizes data and keeps tabs on the pump's operational state. User can be real-time observation possible.

FEATURES AND BENEFITS

Our new-generation mechanical/electrical horizontal and vertical split case pumps from **Wings Pumps** provides high reliability, reduced installation and maintenance costs, with a longer lifetime.

With **single-piece casting** of impeller and other components, Wings Pumps provide superior dynamic balance with extremely strong and stable operations.

Our **Premium Efficiency Motors** are manufactured according to IE 60034-30 IE3 standards, providing improved efficiency, reduced energy consumption with less impact on the environment.

Wings Pumps are engineered and designed with **Computational Fluid Dynamics (CFD)** combined with predictive AI and powerful graphics for visualizations and simulations to foresee any multi-dimensional problems.

Our **Low pulse impeller** double curvature, convex arc shape, inlet edge design, small inlet loss, high efficiency, and good cavitation performance.

A slim design offers easy installation, low vibration and low Net Positive Suction Head (NPSH)

Smart technology, highly intelligent controls with 8 points of sensor monitoring devices with optional AI and IoT expansions.

Our special Coating offers higher resistance to abrasive and corrosive effects

ISO 9001 & ISO14001 & ISO45001 certified. With ISO certification, Wings Pumps provides reliability with a high standard giving you assurance and peace of mind.

able to operate at a high performance for longer than 12 hours.



CENTRIFUGAL SPLIT CASE PUMP

1. Insulated Motor - for better reliability

All motors are fully time 24 hours.

2. Unique seals provide extra safety

Our mechanical seal systems minimize shaft overhang while maximizing cooling and lubrication.

3. Sensors

Thermal sensors help prevent overheating. Leakage sensors alarms you of liquid intrusion through cables or seals.

4. Reliable and Efficient Hydraulics

Wings Pumps technology ensures maximum reliability and high efficiency.

5. Flexible Installation

Wings are designed according to the requirements of customer and suitability according to the actual situation

6. Spare Parts

All models will have stock spare parts for at least five years, and WINGS' skilled staff will help you find the right part and give you advice on spare parts.

PREMIUM EFFICIENCY MOTORS (IE3) IN ACCORDANCE WITH IEC60034-30,IEC60529

Class F Insulation (Up to 155°C/311°F)

Temperature rise according to IEC / NEMA Class A

Class H Insulation (Up to 180°C/356°F)

Temperature rise according to IEC / NEMA Class A

International Protection Standard IP68

International Protection Standard according to IEC 60529/DIN 40050

Better Savings on Power Consumption

Our highly efficient motors provide more savings with lower power consumption.

Better for the Environment

Our pumps are designed to be more more environmentally-friendly and have minimal impact on any ecosystem.



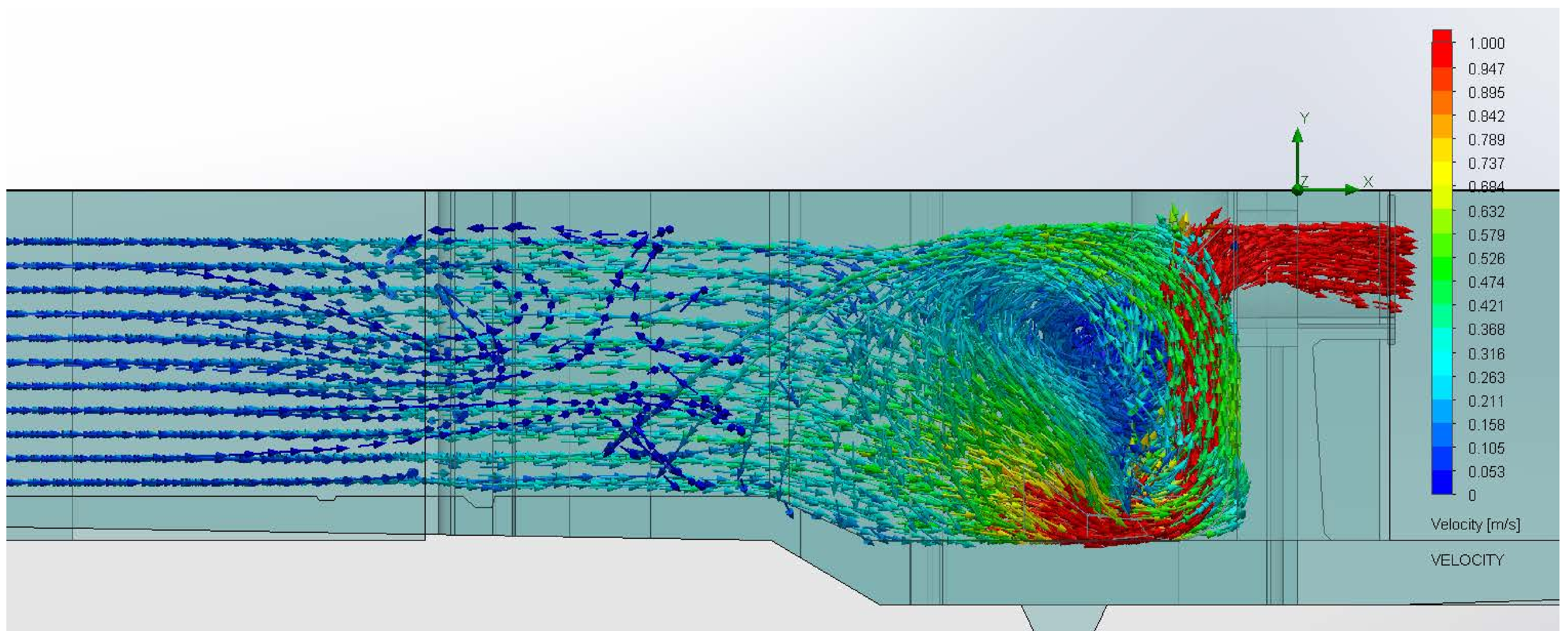
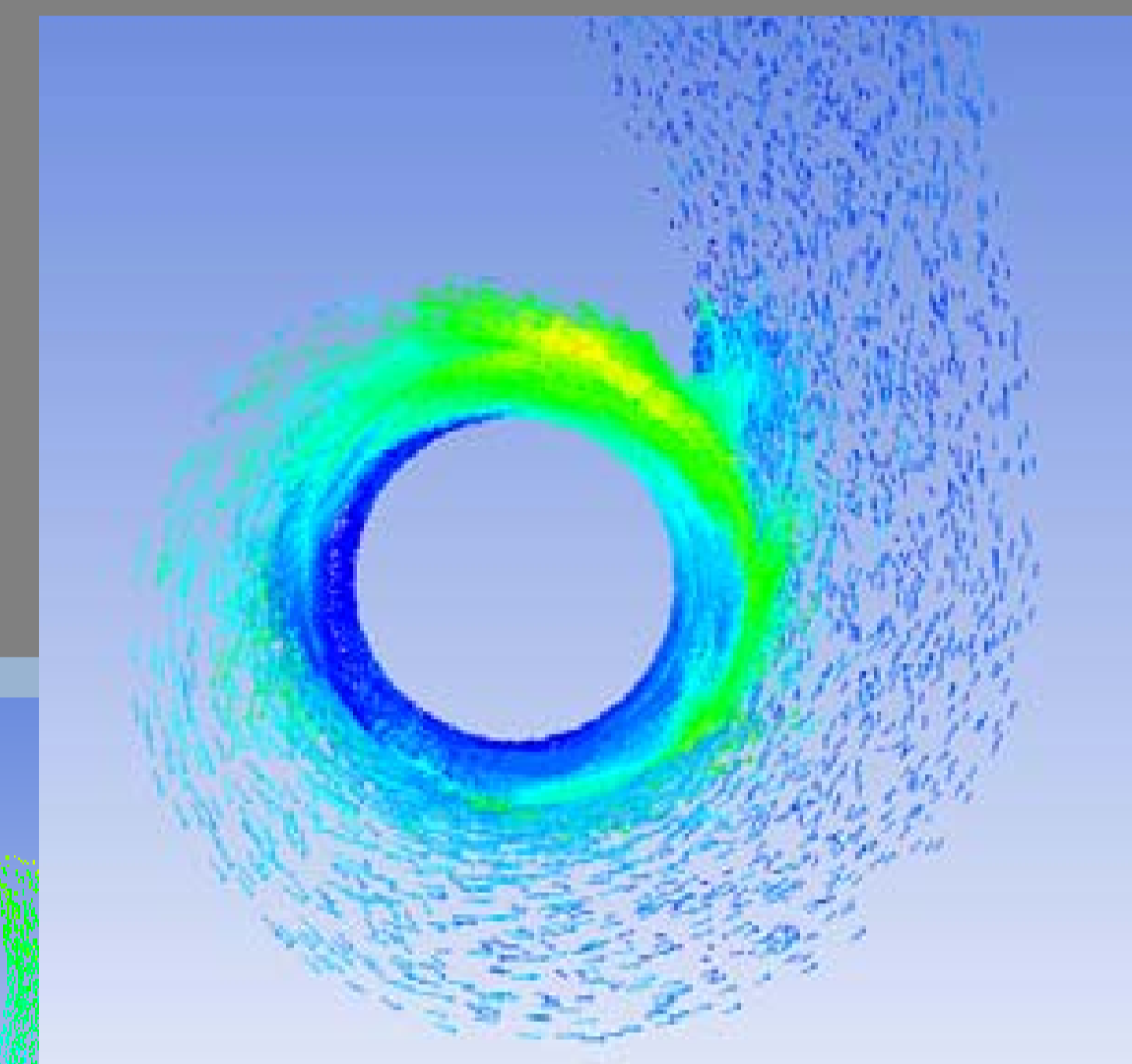
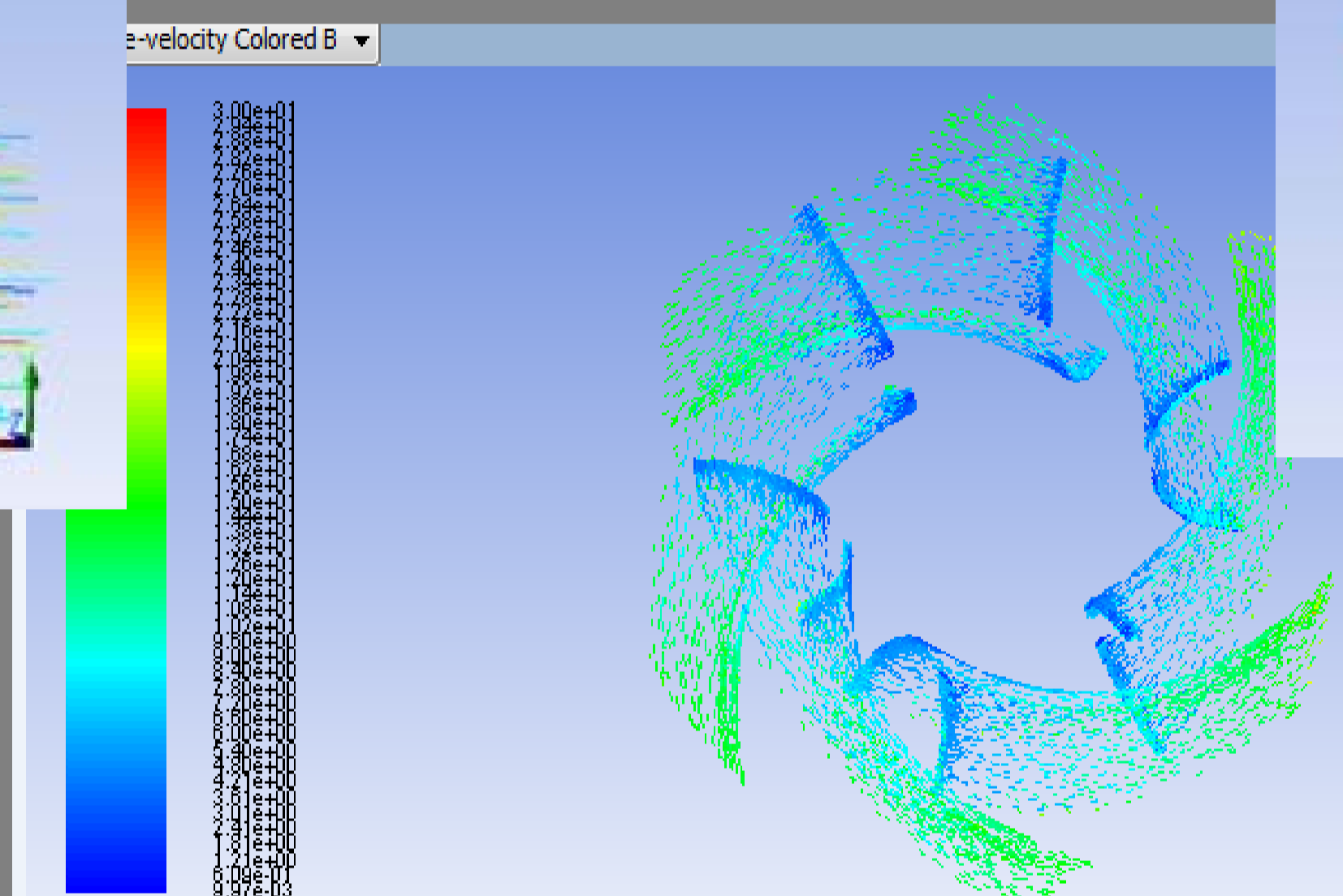
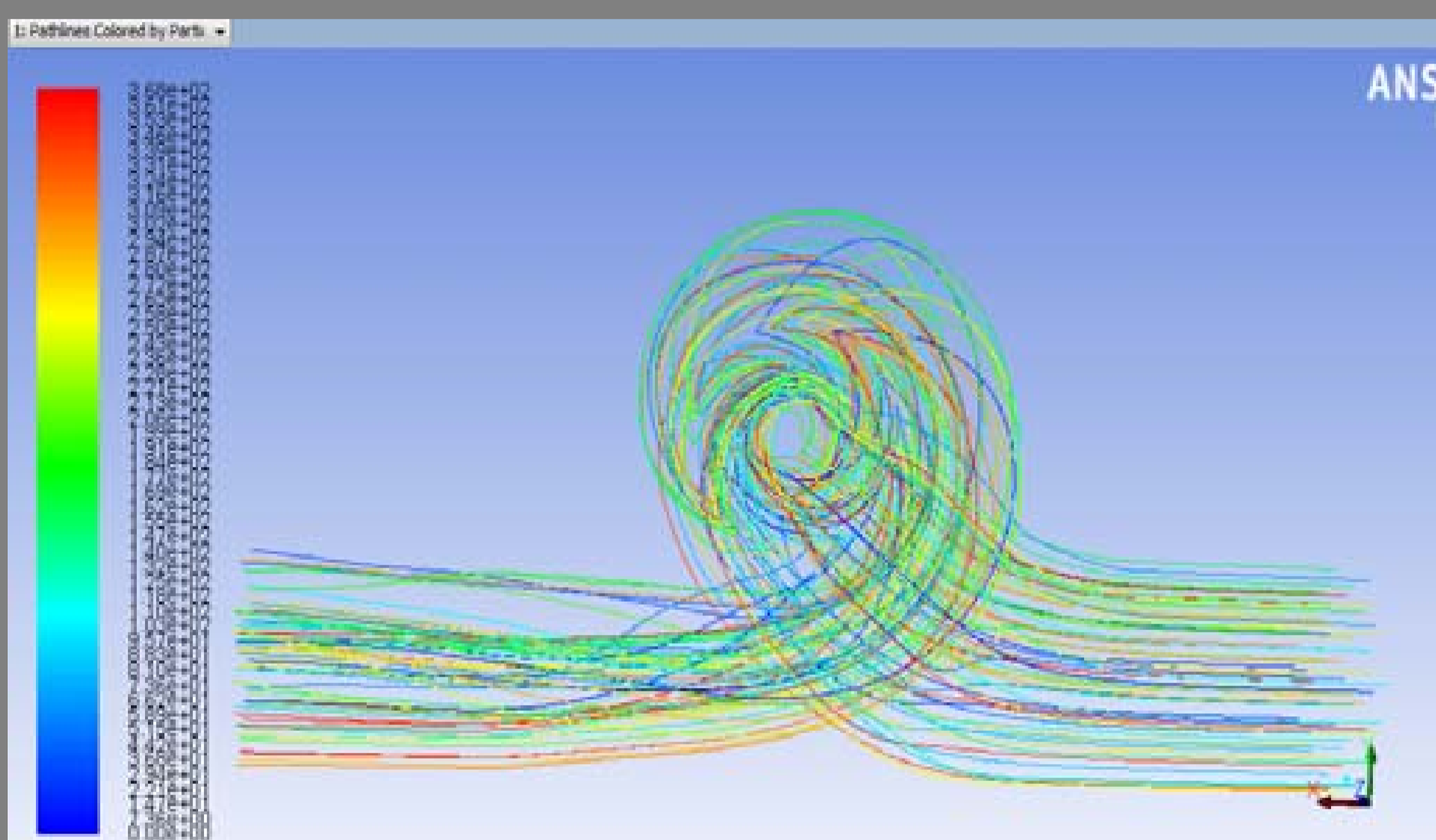
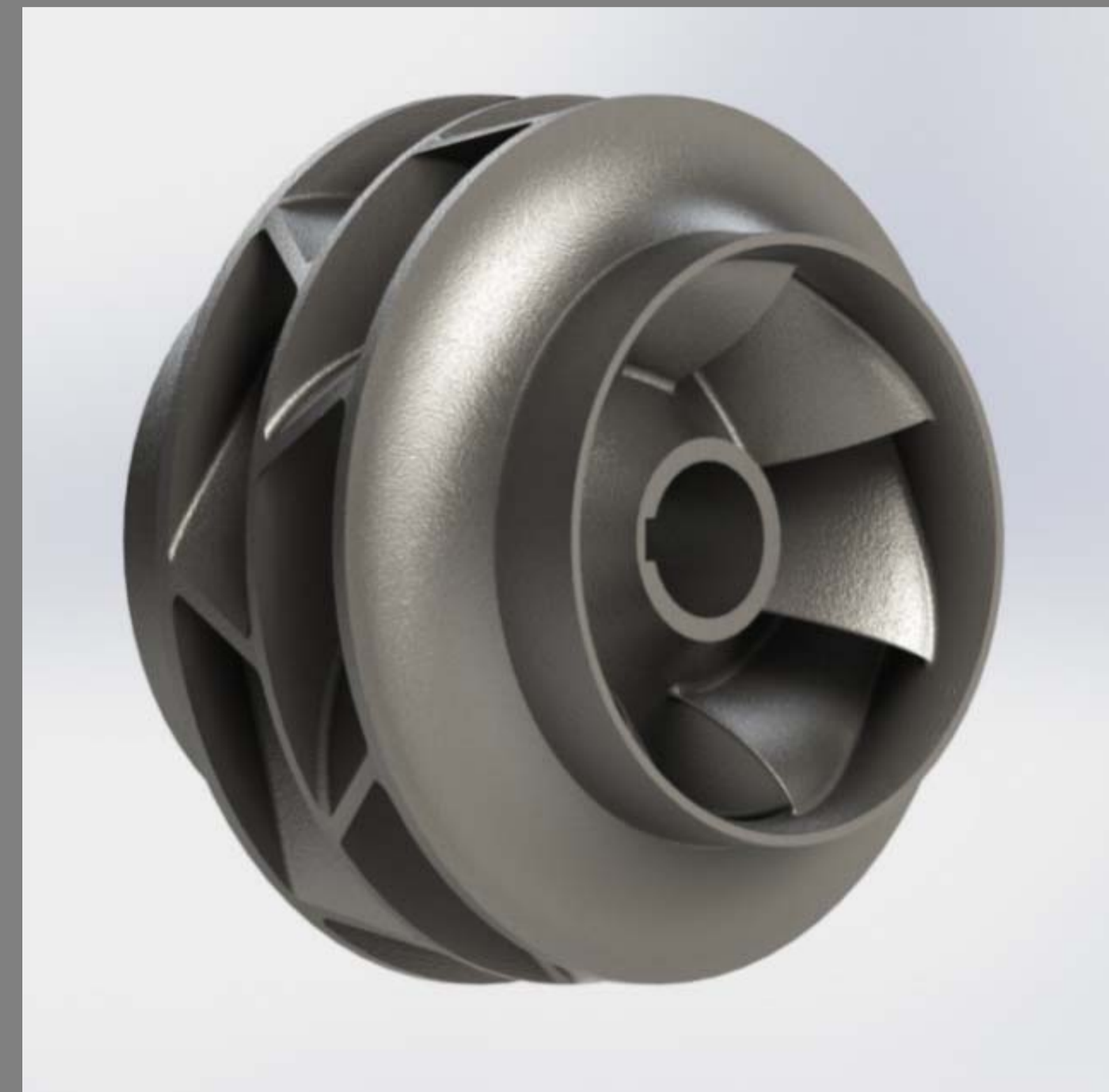
DOUBLE MECHANICAL SEAL

Double mechanical seals are designed to ensure maximum sealing safety. These seals virtually eliminate leakage of the fluid being handled in pumps. Made by SiC, Carbon, Cement Carbide and special requires.

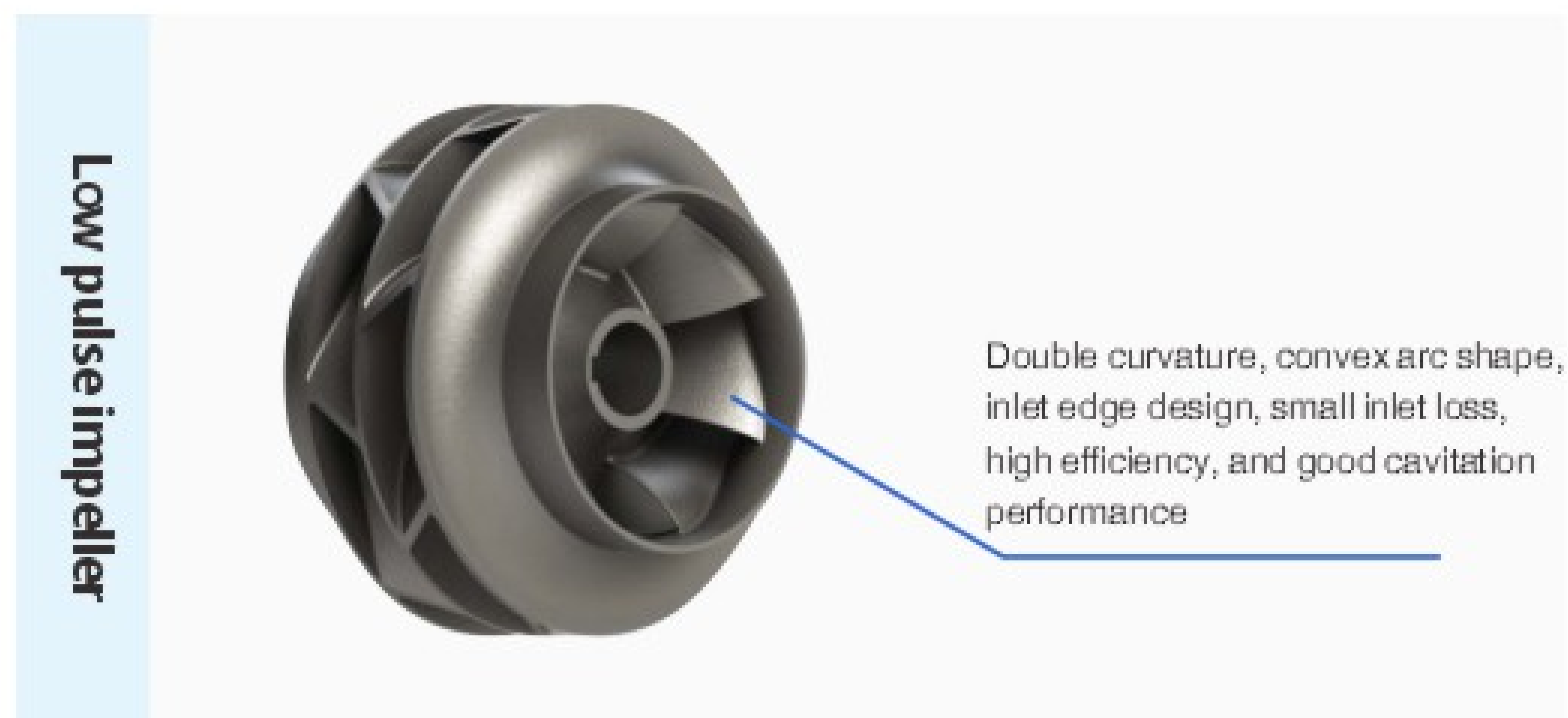
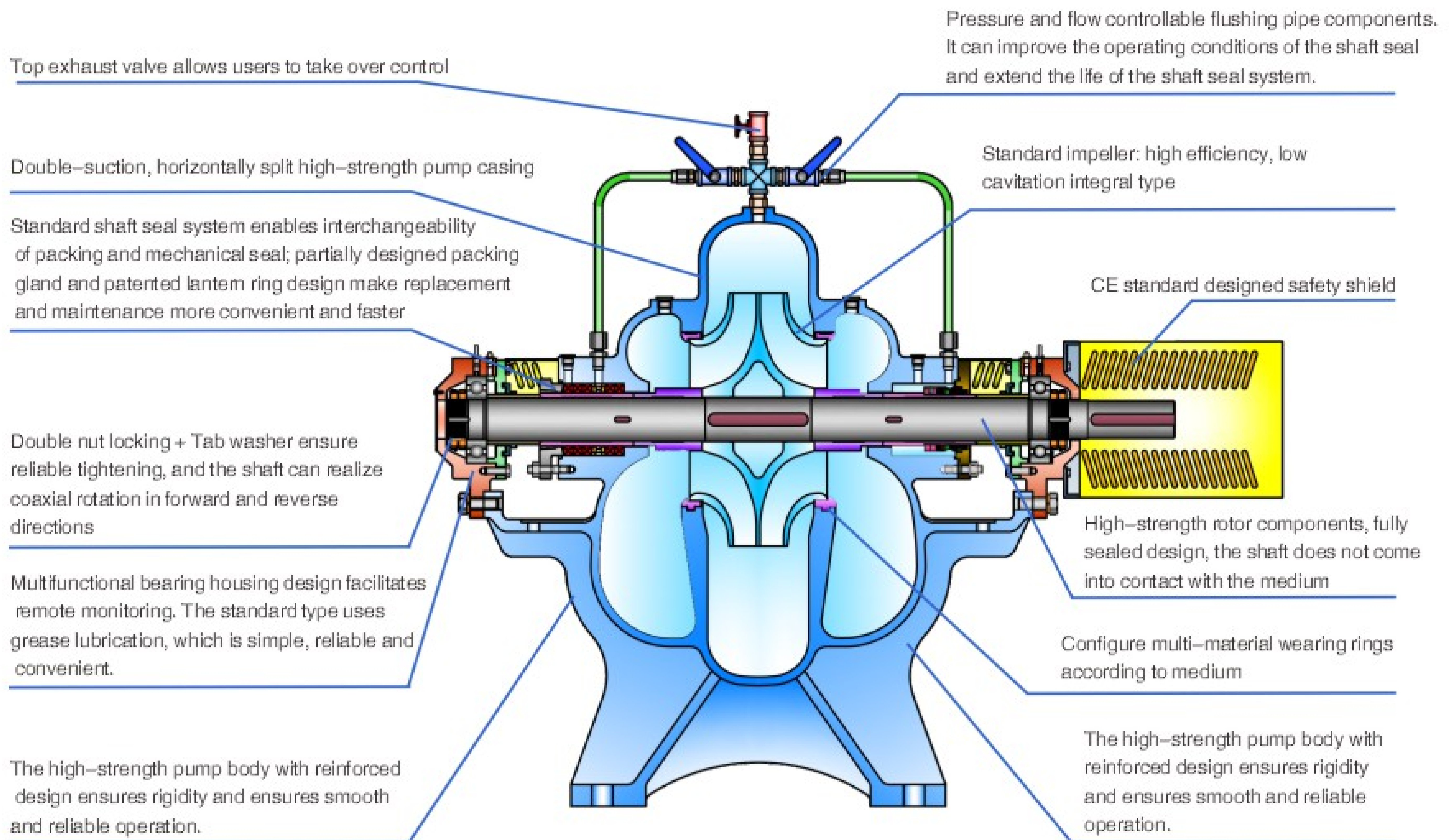


Designed and Engineered for Optimum Efficiency and Reliability with CFD

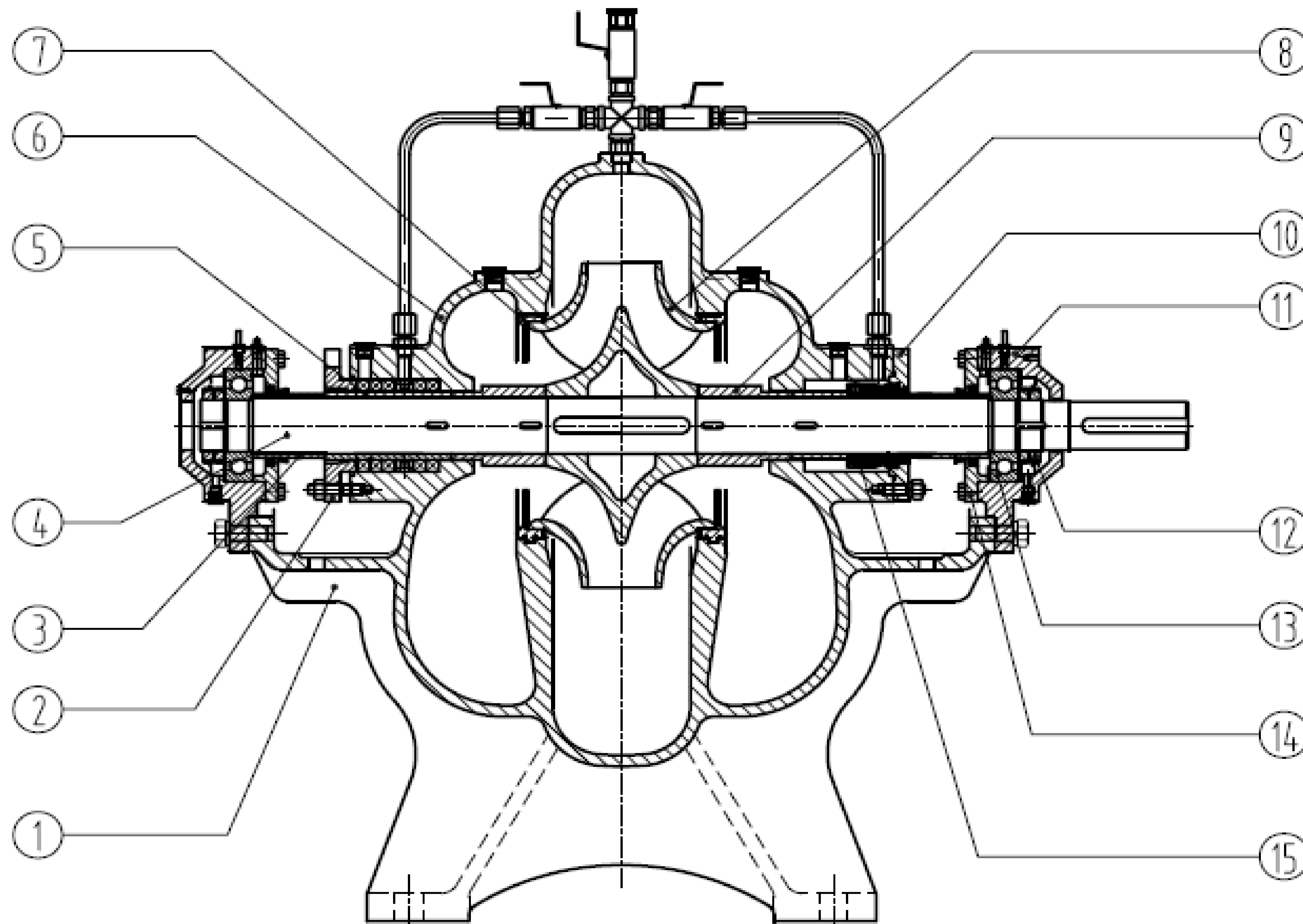
Wings is proud to be both designer, engineer and provider of water solutions. This is what gives us the ability to cooperate closely with the client and deliver results that fit their requirements, demands and needs. Besides engineering for our own projects, we can also offer design and engineering services to third parties. This way we are able to help all side involved to further develop water solutions that benefit businesses and the community.



Design Features

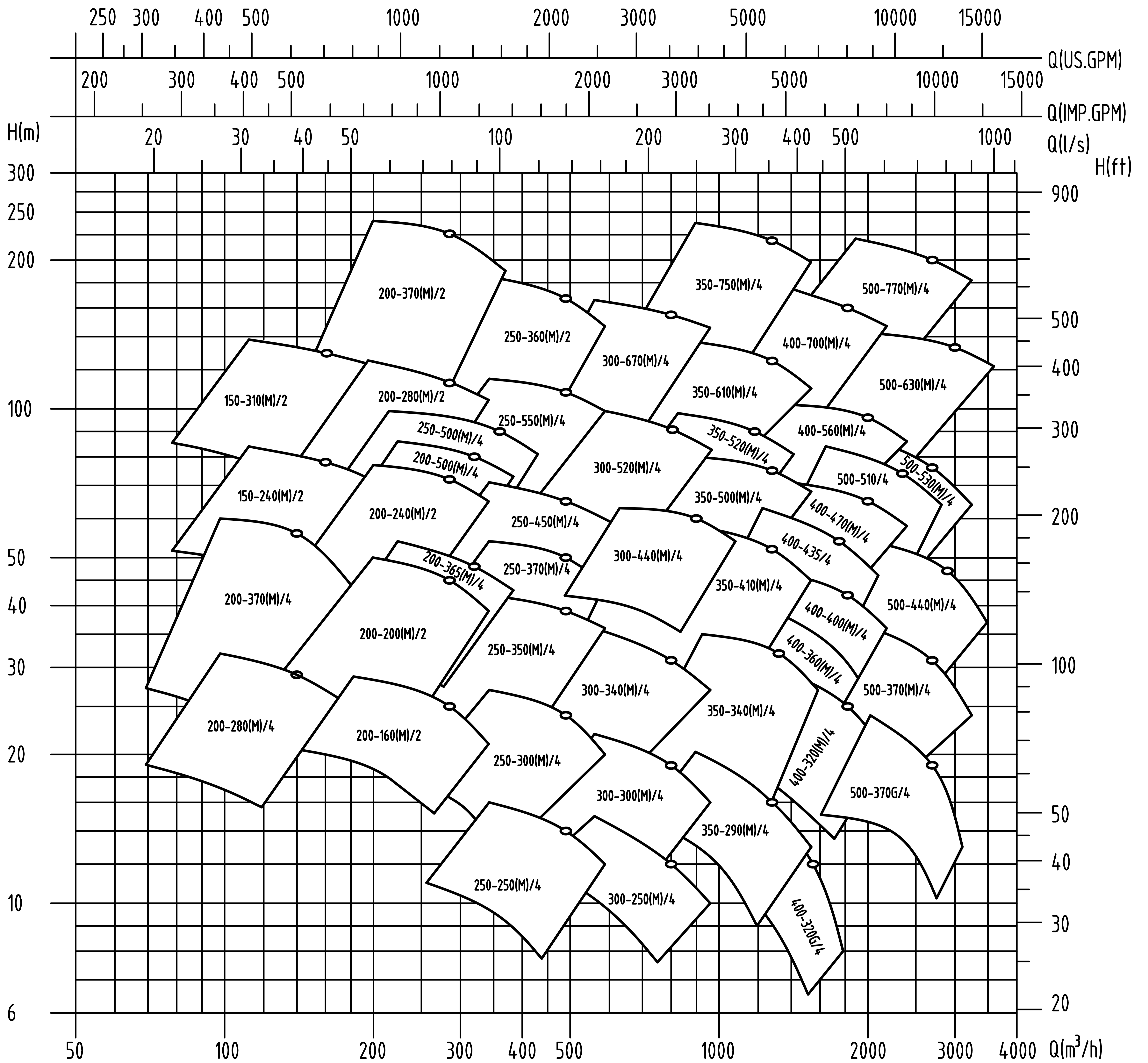


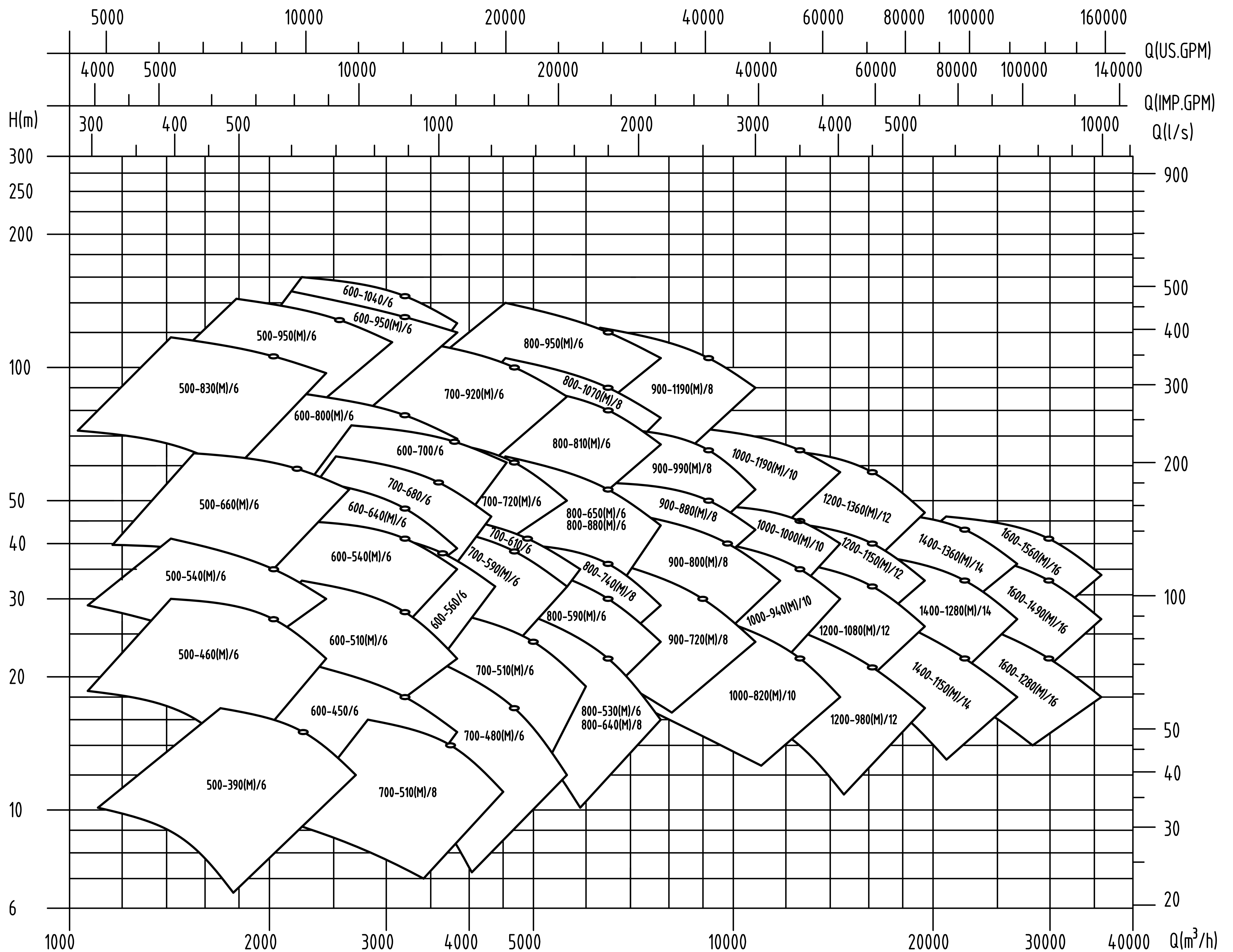
MATERIAL



NO.	NAME	MATERIAL										Q'TY
		CLAS S1	CLAS S2	CLAS S3	CLAS S4	CLAS S5	CLAS S6	CLAS S7	CLAS S8	CLASS 9	CLASS1 0	
1	Lower casing	FC200				BC6	SCS 13	SCS 14	SCS16	GCD45		1
2	Packing gland	FC200				BC6	SCS 13	SCS 14	SCS16	FC200		2
3	Bearing sleeve	BC6		SCS13			SCS 14	SCS16	SCS13		2	
4	Shaft	S 45C		SUS 304			SUS 316	SUS 316L	SUS 304		1	
5	Lantern ring	BC6		SCS13			SSC1 4	SCS16	SSC13		2	
6	Upper casing	FC200				BC6	SCS13	SCS14	SCS16	GCD45	1	
7	Casing wear ring	BC6		SCS13	BC6	SCS13	BC6	SCS13	SCS14	SCS16	SCS13	2
8	Impeller	GC20 0	BC6	SSC1 3	BC6	SSC1 3	BC6	SCS13	SCS14	SCS16	SCS13	1
9	Impeller sleeve	BC6		SSC13			SCS14	SCS16	SCS13		2	
10	Mechanical seal gland	FC200				BC6	SCS13	SCS14	SCS16	FC200	2	
11	Bearing housing	FC200										2
12	Round nut	S45C										4
13	Ball bearing	CTB2										2
14	Bearing cover	FC200										2
15	Mechanical											2

OVERVIEW RANGE

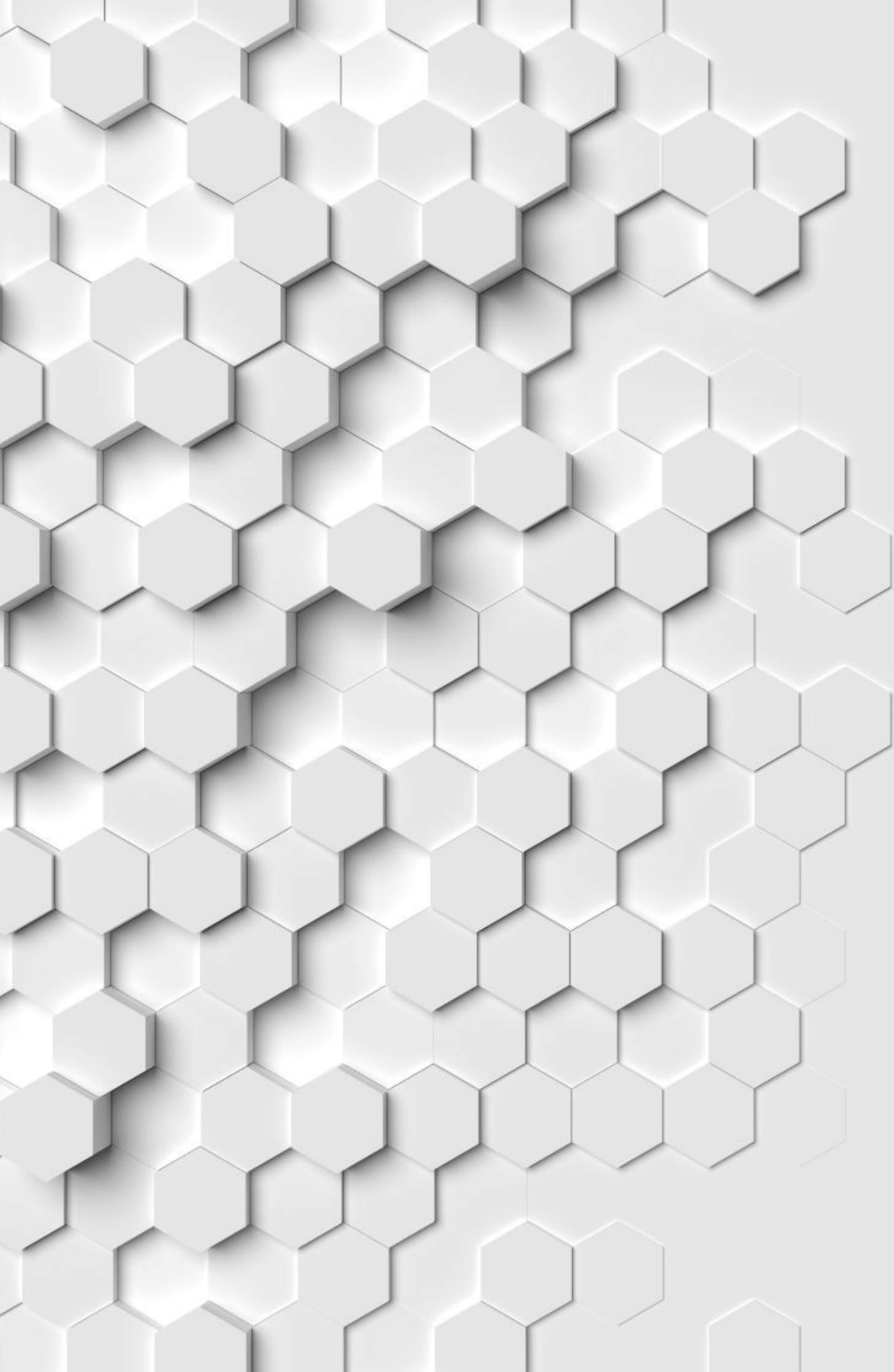




TYPE EXPLANATION

WG - CPS V 500-520

- Impeller diameter
- Pump inlet diameter DN
- V- Vertical
(H-Petrochemical-high temperature-derived)
- High efficiency double-suction centrifugal Pump
- Split case pump



wings

P U M P S