



TD PUMPS

TDZC OH1 Type Pumps

MAIN FEATURES

TDZC chemical pump is single stage single suction bottom corner support structure. Accord with API610 OH1 standard.

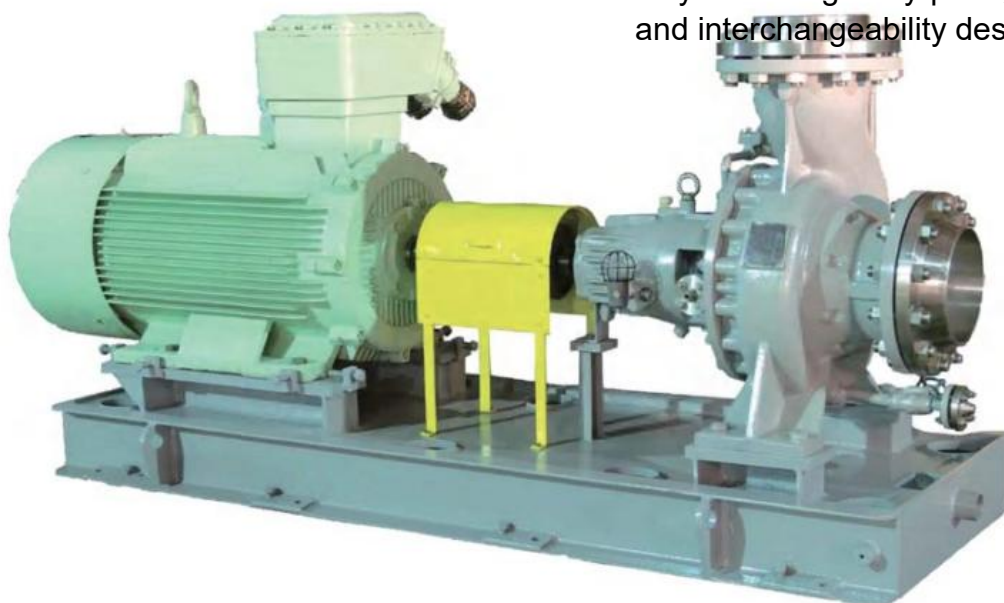
Mainly used for convey low temperature and high temperature liquid; Convey neutral or corrosive, clean or liquid containing a small amount of solid particles. It is especially used in chemical and petrochemical industries, coal chemical industry, seawater desalination, environmental protection engineering, chemical plants, oil refineries, thermal power plants, metallurgy, sugar making, pharmaceuticals, paper making and pulp industry, synthetic fiber, water supply, heat supply, air conditioning and other fields.

1. TDZC series chemical process pump adopts innovative development design, and the hydraulic part uses CFD and PIV advanced software to further optimize the hydraulic model design, with an average efficiency increase of 3% - 5%. It is a new type of high-efficiency energy-saving product.

2. TDZC series chemical process pump has a wide range of type spectrum and a wide range of product performance parameters. Impeller anti-cavitation design, low NPSH, and reliable equipment operation. The suction diameter at the end is discharged from the shell.

3. Full-pull structure design can remove the coupling extension section for overall and part maintenance without disassembling the pump body and motor, which is convenient for maintenance and assembly, and has high reliability.

4. TDZC series pump has a total of 40 models, nearly 400 specifications and varieties, and only 6 bearing body parts, with high versatility and interchangeability design.

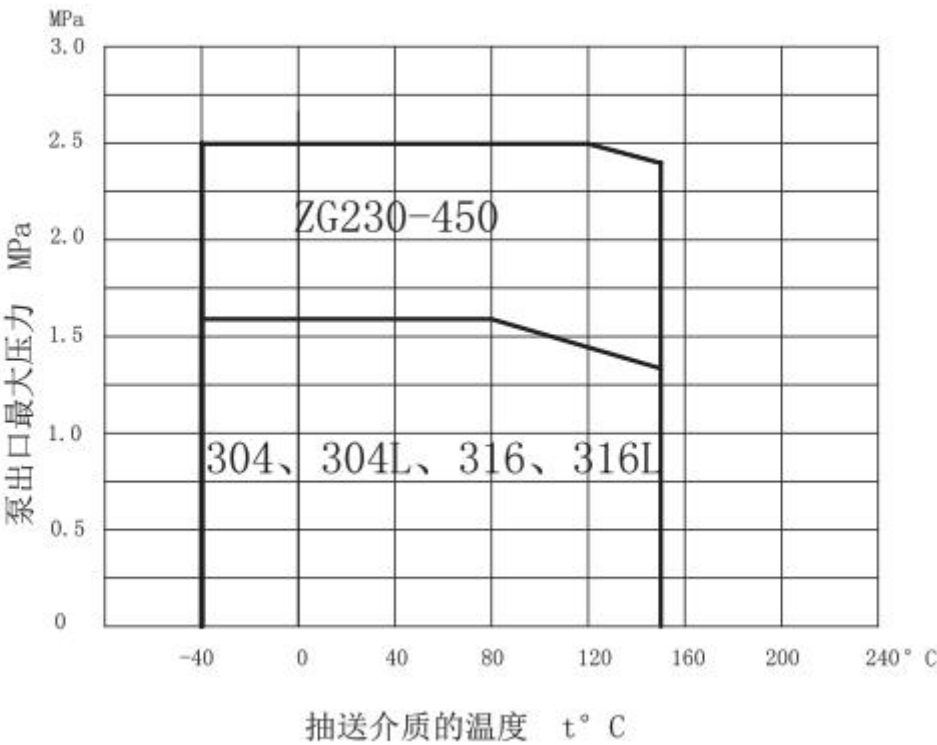


MATERIAL

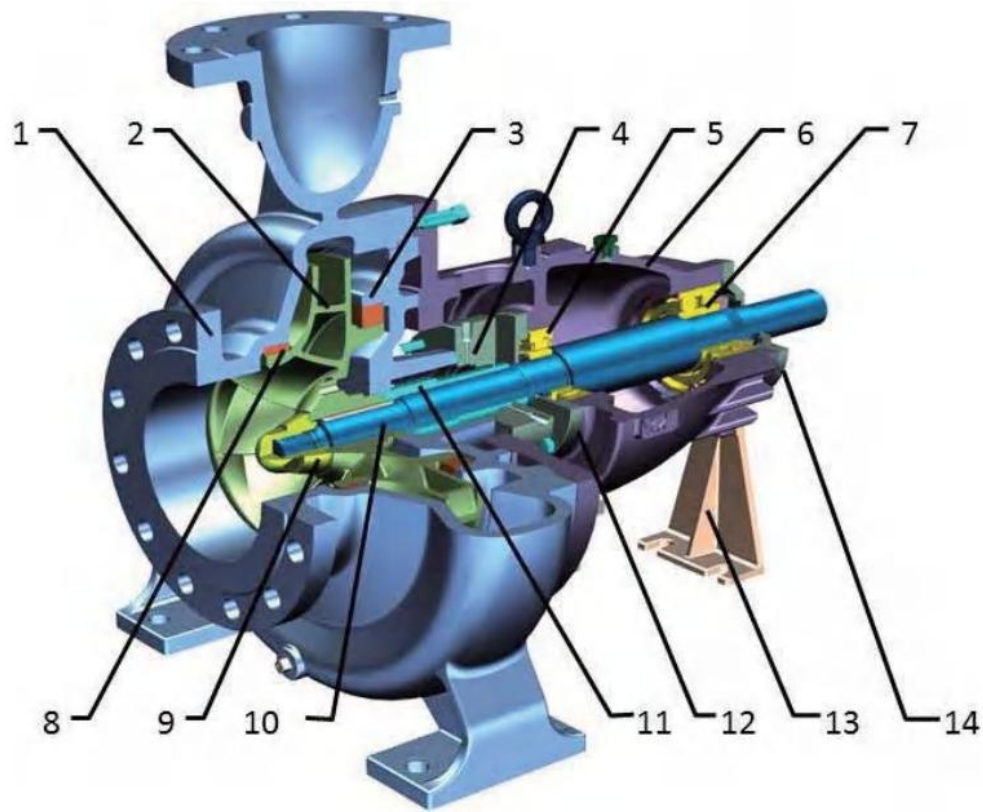
Part Name	Material of main parts				
	12%Cr	SS304	SS304L	SS316	SS316L
Body/Cover	ZG1Cr13Ni	ZG0Cr18Ni9	ZG00Cr18Ni9	ZG0Cr18Ni12Mo2	ZG00Cr18Ni12Mo2
Impeller	ZG1Cr13Ni	ZG0Cr18Ni9	ZG00Cr18Ni9	ZG0Cr18Ni12Mo2	ZG00Cr18Ni12Mo2
Shaft	45#	3Cr13	3Cr13	3Cr13	3Cr13
Seal Ring	1Cr13MoS	ZG0Cr18Ni9	ZG00Cr18Ni9	ZG0Cr18Ni12Mo2	ZG00Cr18Ni12Mo2
Impeller Nut	2Cr13	ZG0Cr18Ni9	ZG00Cr18Ni9	ZG0Cr18Ni12Mo2	ZG00Cr18Ni12Mo2
Shaft Sleeve	2Cr13	ZG0Cr18Ni9	ZG00Cr18Ni9	ZG0Cr18Ni12Mo2	ZG00Cr18Ni12Mo2
Seal Cover	2Cr13	ZG0Cr18Ni9	ZG00Cr18Ni9	ZG0Cr18Ni12Mo2	ZG00Cr18Ni12Mo2
The material will be produced by your request if there is any other requirement.					

Relationship between material and pump working pressure and temperature

Material	Pressure(Mpa)	Temperature	Test Pressure(Mpa)
304 304L 316 316L	1.6	-40-150℃	2.7
Cast Steel	2.5	-40-150℃	3.75

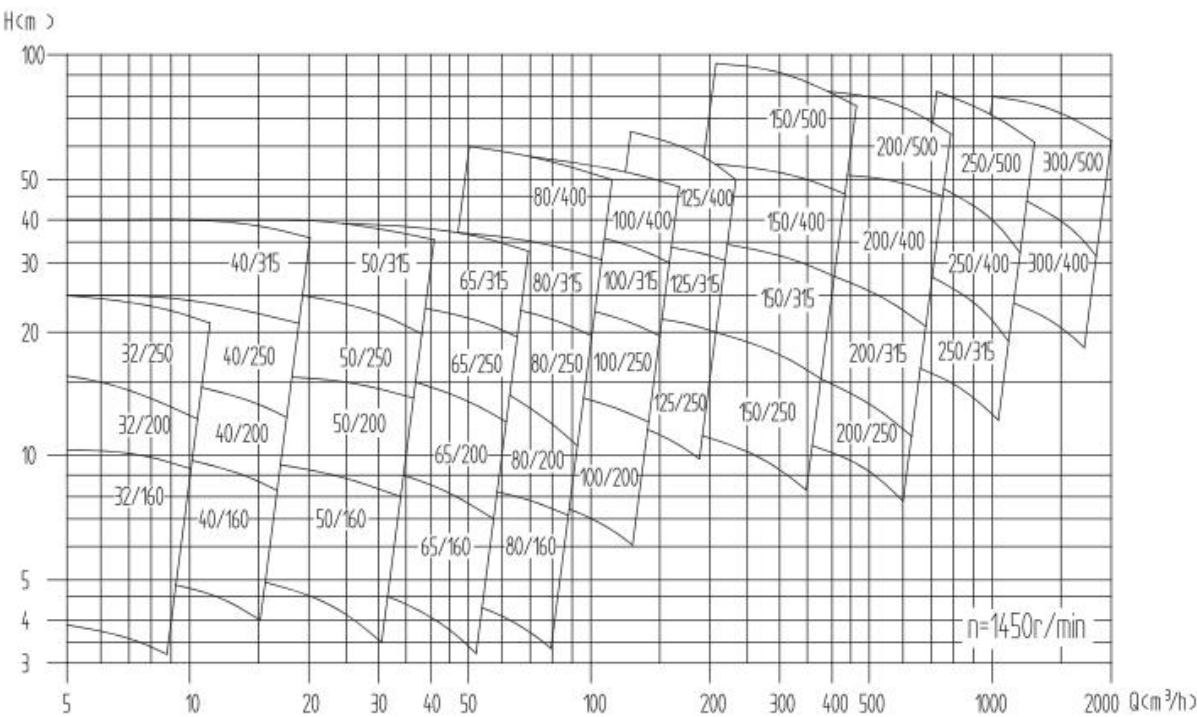
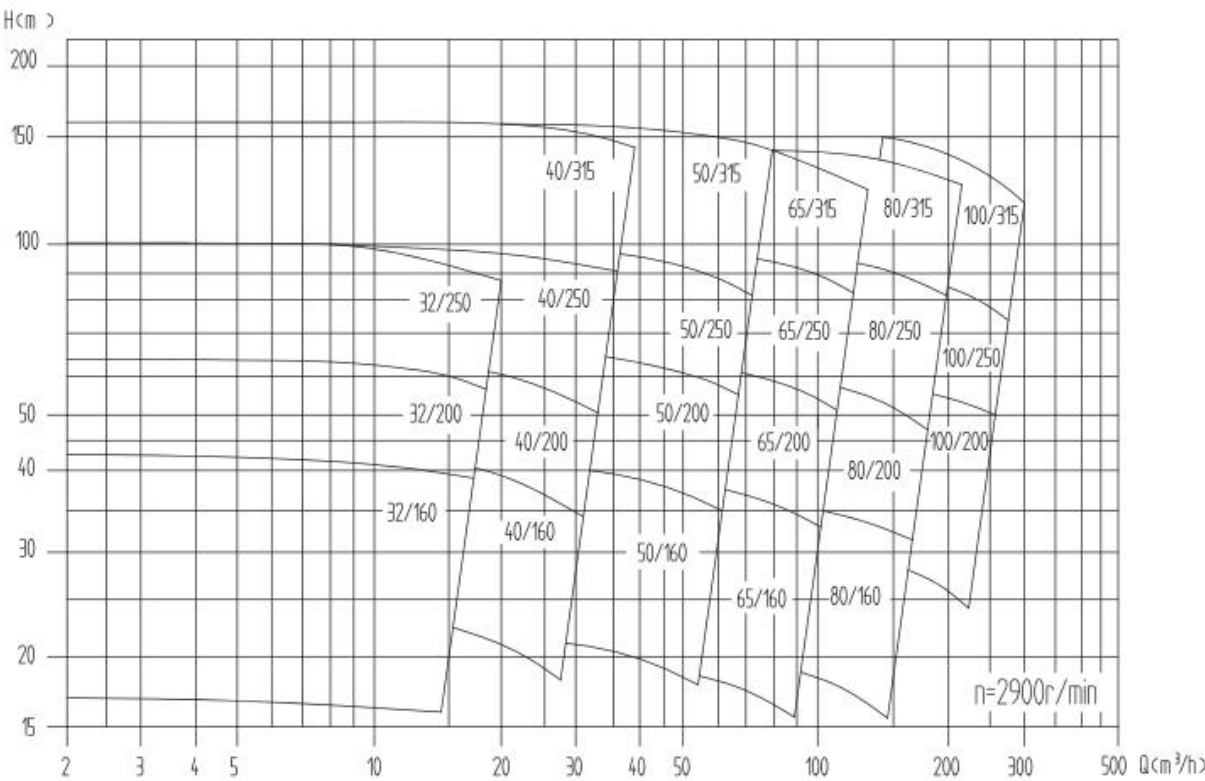


STRUCTURE



- | | | | |
|-------------------|------------------------|-------------------|-------------------------|
| 1. Pump body | 2. Impeller | 3. Pump Cover | 4. Seal Cover |
| 5. Radial bearing | 6. Bearing assembly | 7. Thrust bearing | 8. Seal Ring |
| 9. Impeller nut | 10. Shaft | 11. Shaft sleeve | 12. Front bearing cover |
| 13. Support angle | 14. Back bearing cover | | |

PERFORMANCE



HEBEI TONGDA PUMP CO.,LTD

Our quality and high-efficiency products as well as our understanding of customer requirements have made us a preferred partner for pumping solutions worldwide.

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