

WTR/WTS

Stainless Steel Vertical Multistage Pump



WTR

WTS

Application

- RO System, ultra-filtration systems, distillation systems, separators
- Water supply & drainage for high-rise buildings, filtration and transfer at waterworks, pressure boosting in main pipe
- Washing and cleaning systems, boiler feeding, cooling water circulation, water treatment systems
- Sprinkler irrigation, drip-feed irrigation
- Food & beverage industry
- Fire fighting system

Operating Conditions

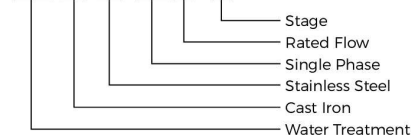
- Low viscosity, non-inflammable and non-explosive liquids not containing solid particles or fibers. The liquids must not chemically attack the pump materials. When pumping liquids with a density or viscosity is higher than that of water, a motor with a higher output power rating shall be used.
- Liquid temperature: - 15°C ~+ 70°C
- Flow ranges: 1 - 28.5 m³/h
- Liquid pH value: 3 - 9
- Max. ambient temperature: +40°C
- Max. operating pressure: 25 bar
- Altitude: up to 1000 m

Motor

- Totally enclosed & Fan-cooled
- Enclosures class: IPX4

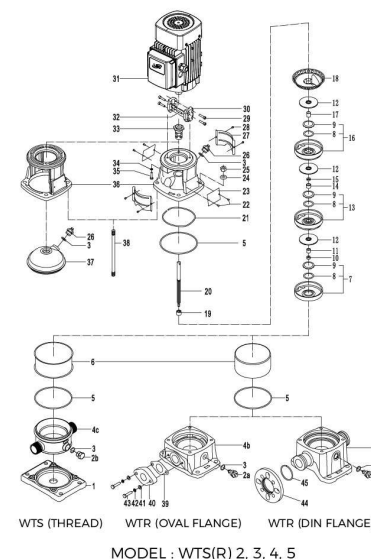
Identification Codes

WT R (S) (m) 2 - 11

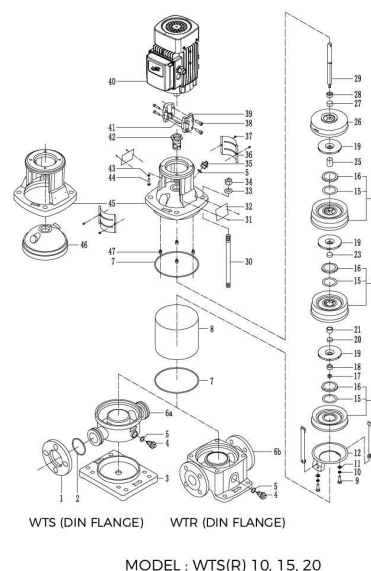


Model	Max. Inlet Pressure (bar)
WTS(R) 2-2	6
WTS(R) 2-3 - 2-12	10
WTS(R) 2-13 - 2-26	15
WTS(R) 3-2 - 3-29	10
WTS(R) 3-31 - 3-36	15
WTS(R) 4-2	6
WTS(R) 4-3 - 4-11	10
WTS(R) 4-12 - 4-22	15
WTS(R) 5-2 - 5-16	10
WTS(R) 5-18 - 5-29	15
WTS(R) 10-2 - 10-6	8
WTS(R) 10-7 - 10-22	10
WTS(R) 15-1 - 15-3	8
WTS(R) 15-4 - 15-9	10
WTS(R) 20-1 - 20-3	8
WTS(R) 20-4 - 20-7	10

Material Table



No.	Part	Material	No.	Part	Material
1	Base plate	ADC12	23	Name plate	1060
2	Drainage plug		24	Gasket	304
3	O-ring	EPDM	25	Hexagonal head nut	304
4a	Base	HT200	26	Vent plug	
4b	Base	HT200	27	Guard plate	304
4c	Base	ZG07Cr19Ni10	28	Cross recessed screw	304
5	O-ring	NBR	29	Hexagon socket head bolt	
6	Pump barrel	304	30	Half coupling	
7	Primary diffuser		31	Motor	
8	Wear-resistant disc	PTFE	32	Cylinder pin	304
9	Wear-resistant disc cover	304	33	Cartridge mechanical seal	
10	Nut	304	34	Spring gasket	65Mn
11	Shaft end sleeve	304	35	Hexagon socket head nut	
12	Impeller	304	36	Motor base	HT200
13	Diffuser with bearing		37	Pump cover	ZG07Cr19Ni10
14	Sleeve for guide bearing	Sic	38	Tension bar	45#
15	Sleeve	304	39	Flange gasket	CSA50
16	Medium diffuser		40	Oval flange	HT200
17	Sleeve	304	41	Flat gasket	
18	Final diffuser	304	42	Spring gasket	65Mn
19	Positioning sleeve for shaft	304	43	Hexagonal head bolt	
20	Pump shaft	304	44	Multi use flange	ZG35
21	Wave spring	304	45	Clamp	304
22	Rivets	BL2			

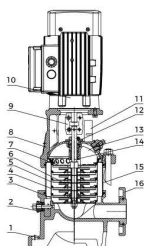


No.	Part	Material	No.	Part	Material
1	Flexible flange	ZG35	24	medium diffuser	
2	Clamp	304	25	sleeve	304
3	Base plate	ADC12	26	final diffuser	
4	Drainage plug		27	final diffuser	304
5	O-ring	EPDM	28	Positioning sleeve for shaft	304
6a	Base (WTS)	304	29	Pump shaft	316
6b	Base (WTR)	HT200	30	tension bar	45#
7	O-ring	EPDM	31	rivets	BL2
8	Pump barrel	304	32	name palte	1060
9	Hexagonal head bolt	304	33	flat gasket	304
10	Spring gasket	304	34	Hexagonal head nut	304
11	Flat gasket	304	35	Vent plug	
12	Inlet gland	304	36	Guard plate	304
13	Tension strip	304	37	Cross recessed screw	304
14	Primary diffuser		38	Hexagon socket head bolt	
15	Wear-resistant disc	PTFE	39	Coupling	QT400
16	Wear-resistant disc cover	304	40	Motor	
17	Self-ag nut	304	41	cylindrical pin	304
18	Shaft end sleeve	304	42	Cartridge Mechanical Seal	
19	Impeller	304	43	Spring gasket	65Mn
20	Sleeve	304	44	Hexagonal head bolt	
21	Silde bearing sleeve	WC	45	Motor base	HT200
22	Diffuser with bearing		46	Pump cover	304
23	Sleeve	304	47	Adjustment gasket	EPDM

WTR/WTS

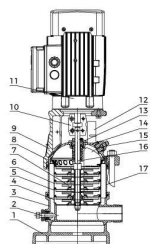
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Cross Section



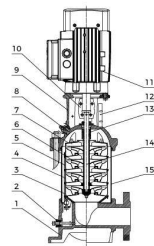
MODEL: WTR2 (3,4,5)

No.	Part	Material	Optional Material
1	Base plate	HT200	
2	Drain bolt assembly	AISI 304	AISI 316
3	Primary diffuser	AISI 304	AISI 316
4	Diffuser with bearing	AISI 304	AISI 316
5	Medium diffuser	AISI 304	AISI 316
6	Impeller	AISI 304	AISI 316
7	Final diffuser	AISI 304	AISI 316
8	Motor base	HT 200	
9	Coupling	PM / QT400	
10	Motor		
11	Guard plate	AISI304	
12	Cartridge seal		
13	Vent assembly	AISI 304	AISI 316
14	Pump shaft	AISI 316	
15	Pump barrel	AISI 304	AISI 316
16	Flange	ZG 35	



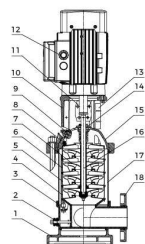
MODEL: WTS2 (3,4,5)

No.	Part	Material	Optional Material
1	Base plate	HT200	
2	Drain bolt assembly	AISI 304	AISI 316
3	Base	ZG 304	ZG 316
4	Primary diffuser	AISI 304	AISI 316
5	Diffuser with bearing	AISI 304	AISI 316
6	Medium diffuser	AISI 304	AISI 316
7	Impeller	AISI 304	AISI 316
8	Final diffuser	AISI 304	AISI 316
9	Motor base	HT 200	
10	Coupling	PM / QT400	
11	Motor		
12	Guard plate	AISI 304	
13	Cartridge seal		
14	Pump cover	ZG 304	ZG 316
15	Vent assembly	AISI 304	AISI 316
16	Pump shaft	AISI 316	
17	Pump barrel	AISI 304	AISI 316



MODEL: WTR10 (15,20)

No.	Part	Material
1	base	HT200
2	drain bolt assembly	AISI304
3	Primary diffuser	AISI304
4	Diffuser with bearing	AISI304
5	Medium diffuser	AISI304
6	Impeller	AISI304
7	Final diffuser	AISI304
8	Vent assembly	HT200
9	Motor base	PM / QT400
10	Coupling	
11	Motor	AISI304
12	Guard plate	
13	Cartridge seal	AISI304
14	Pump shaft	AISI316
15	Pump barrel	AISI304



MODEL: WTS10 (15,20)

No.	Part	Material	Optional Material
1	Base plate	HT200	
2	Drain bolt assembly	AISI 304	AISI 316
3	Base	ZG 304	ZG 316
4	Primary diffuser	AISI 304	AISI 316
5	Diffuser with bearing	AISI 304	AISI 316
6	Medium diffuser	AISI 304	AISI 316
7	Impeller	AISI 304	AISI 316
8	Final diffuser	AISI 304	AISI 316
9	Motor base	HT 200	
10	Coupling	PM / QT400	
11	Motor		
12	Guard plate	AISI 304	
13	Cartridge seal		
14	Pump cover	ZG 304	ZG 316
15	Vent assembly	AISI 304	AISI 316
16	Pump shaft	AISI 316	
17	Pump barrel	AISI 304	AISI 316
18	Flange	ZG 35	

Scope of Performance-WTR, WTS

