



CATALOG

YEAR 2025



STAINLESS STEEL CENTRIFUGAL PUMP MODEL : QHS SERIES

HIGH EFFICIENCY
MOTOR IE3/IE4
Premium Quality



A NEW LEVEL OF PUMP PERFORMANCE
Expanded field of application owing
to improved corrosion resistance.



CHEMICAL
INDUSTRY



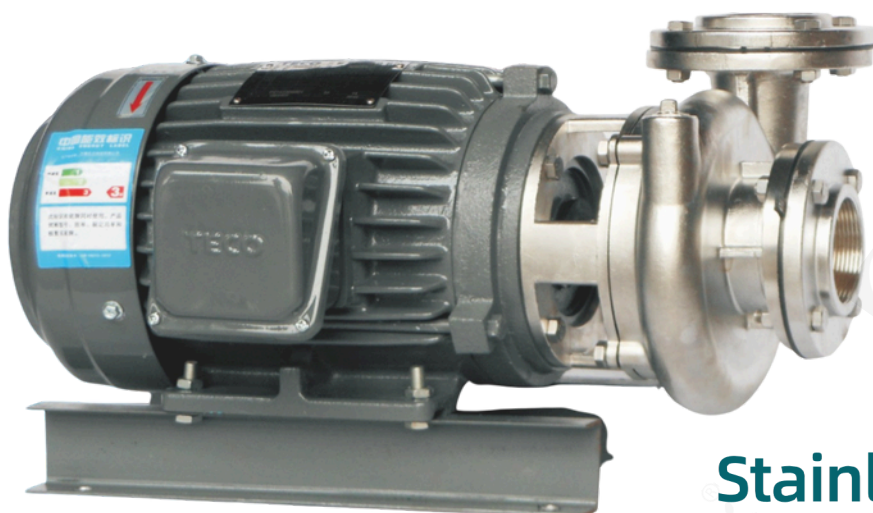
POLLUTION
PROCESS



SEMICONDUCTOR



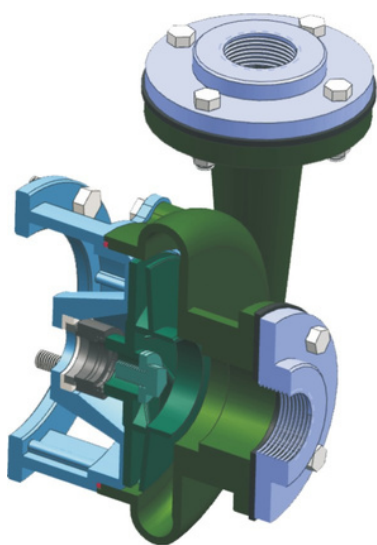
AUTO-PART
INDUSTRY



Stainless Steel Centrifugal Pump [QHS Series]



- | | |
|-----------------|--------------------|
| ① Inlet Flange | ⑧ Impeller |
| ② Inlet Gasket | ⑨ Front Shaft Seal |
| ③ Outlet Flange | ⑩ Rear Shaft Seal |
| ④ Outlet Gasket | ⑪ Connecting Base |
| ⑤ Front Cover | ⑫ Frame |
| ⑥ O-Ring | ⑬ Motor |
| ⑦ Impeller Nut | |



Product Characteristics

1. The pump is applicable to general pure water industry, surface treatment, food industry and chemical industry.
2. The user can select SUS304 or SUS316 pump body material and shaft seal type according to chemical requirements.
3. The main body of the pump is made of high-quality materials by precision casting, with a firm and compact structure.

Product Advantages

1. Unique technology, low noise, high efficiency, corrosion resistance, long service life;
2. Patented technology, CE, SGS quality certification of European Union, and government designated supplier;
3. High temperature resistance, suitable for many kinds of liquid, high cost-effective;
4. 4-pole motor centrifugal pump to solve the problem of rapid temperature rise of liquid;
5. Optional protection device, which can prevent the shaft seal from being damage due to dry-running;
6. Secondary energy efficiency, energy conservation and environmental protection (customized);
7. SUS304 or SUS316 material, with high temperature and corrosion resistance, etc.



QHS SERIES - STAINLESS STEEL CENTRIFUGAL PUMP



Model Description

QHS - 50 - 2 - S - 6 - P - 5 - V38 - A - K - A - B - S
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬

- ① Model No.: QHS
- ② Inlet And Outlet Caliber: 25-25mm; 40-40mm; 50-50mm; 65-65mm; 80-80mm; 100-100mm; 125-125mm; 150-150mm
- ③ Power: 1/2-1/2HP; 1-1HP; 2-2HP; 3-3HP; 5-5HP; 7.5-7.5HP; 10-10HP; 15-15HP; 20-20HP;
- ④ Shaft Seal Material: S-SSIC
- ⑤ Pump Body Material: 4-SUS304; 6-SUS316
- ⑥ Sealing Material: P-PTFE
- ⑦ Frequency: 5-50HZ; 6-60HZ
- ⑧ Voltage: V38-3Ø/380V; V41-3Ø/415V; V44-3Ø/440V; V48-3Ø/480V; V66-3Ø/660V; V32-3Ø/220V; V22-1Ø/220V
- ⑨ Specific Gravity Of Liquid: A-1. 0-1.2; B-1. 3; C-1. 4; D-1. 5; E-1. 6; F-1. 7; G-1. 8; H-1. 9; I-2.0
- ⑩ Motor Brand: K-Kelida; Q-Other
- ⑪ Motor Requirements: A-IE3 Normal Motor; B-IE4 Normal Motor; C-IE5 Normal Motor; D-Variable Frequency Motor; E-IE3, BT4 Ex-Proof Motor; F-IE4, BT4 Ex-Proof Motor; G-IE5, BT4 Ex-Proof Motor; H-IE3, CT4 Ex-Proof Motor; I-IE4, CT4 Ex-Proof Motor; J-IE5, CT4 Ex-Proof Motor; K-Permanent magnet variable frequency motor; L-BT4 Ex-Proof Variable Frequency Motor; M-CT4 Ex-Proof Variable Frequency Motor
- ⑫ Motor Protection Level: A-IP54; B-IP55; C-IP56; D-IP65
- ⑬ S-Standard; N-Non-Standard

Product Specification

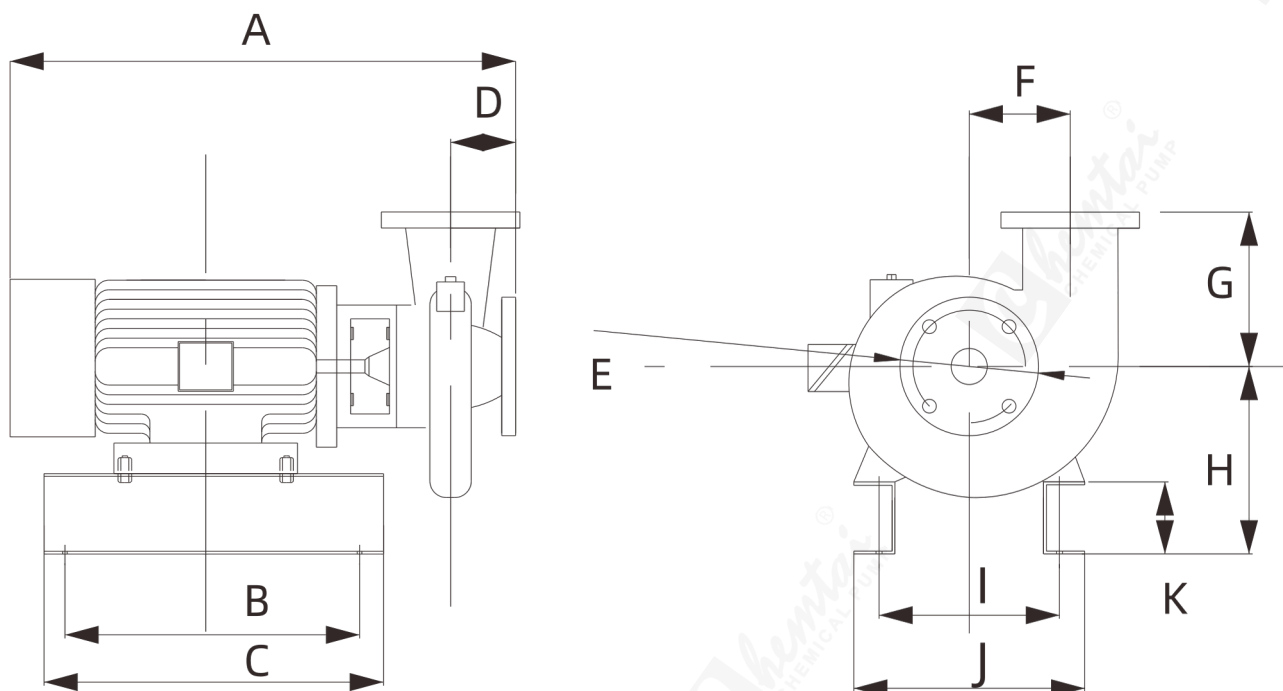
Total head (H) = meter (M) water yield Q = liter / minute (L / MIN) or cubic meter / hour (M³/H)

No.	Model	Power		In&Outlet Size	Rotational Speed	Max Head (50Hz)	Max Flow (50Hz)	
		HP	KW	DN25	R/MIN	M	L/MIN	M ³ /H
1	QHS-25-0.5	0.5	0.37	DN25	2850	14	150	9
2	QHS-25-1	1	0.75	DN25	2850	14	200	12
3	QHS-40-1	1	0.75	DN40	2850	14	250	15
4	QHS-40-2	2	1.5	DN40	2850	17.5	383	23
5	QHS-50-2	2	1.5	DN50	2850	17.5	500	30
6	QHS-50-3	3	2.2	DN50	2850	20	500	30
7	QHS-65-3	3	2.2	DN65	2850	20	600	36
8	QHS-50-5	5	3.7	DN50	2850	23	633	38
9	QHS-65-5	5	3.7	DN65	2850	23	700	42
10	QHS-80-7.5	7.5	5.5	DN80	2850	27	1033	62
11	QHS-100-7.5	7.5	5.5	DN100	2850	27	1533	92
12	QHS-80-10	10	7.5	DN80	2850	31	1033	62
13	QHS-100-10	10	7.5	DN100	2850	27	1800	108
14	QHS-100-15	15	11	DN100	2850	31	1866	112
15	QHS-125-15	15	11	DN125	2850	27	2700	162
16	QHS-100-20	20	15	DN100	2850	35	2133	128
17	QHS-125-20	20	15	DN125	2850	27	3050	183

●Medium temperature: 0℃~+80℃, medium specific gravity: 1-2, working environment temperature: -5℃~+50℃, maximum usage altitude: 2000m, maximum working pressure: 5Bar. Test basis: The above performance data corresponds to the normal speed of transportation of clean water at 25℃. The performance error is ± 5%. The performance of a pump varies with the specific gravity and temperature of the fluid medium being transported.

QHS SERIES - STAINLESS STEEL CENTRIFUGAL PUMP

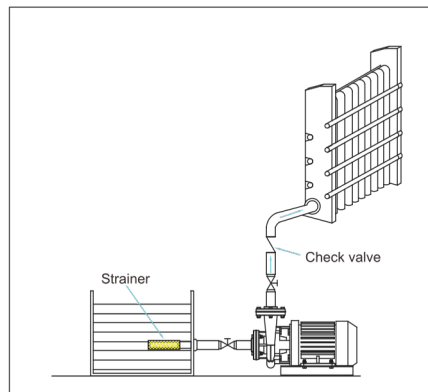
Size Specification



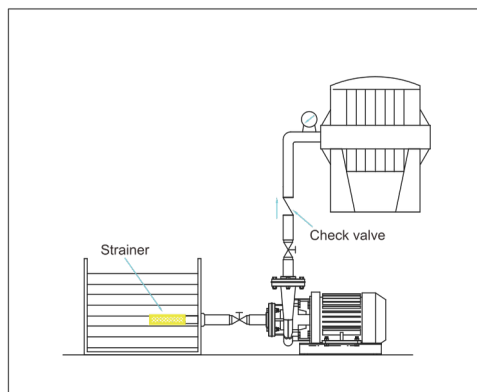
Model	Dimensions Diagram (Unit: mm)										
	A	B	C	D	E	F	G	H	I	J	K
QHS-25-1/2	350	204	235	45	96	70	107	130	125	160	50
QHS-25-1	355	204	235	45	96	70	107	130	125	160	50
QHS-40-1	355	204	235	45	96	70	107	130	125	160	50
QHS-40-2	405	204	235	50	120	80	106	140	140	175	50
QHS-50-2	405	204	235	50	120	80	106	140	140	175	50
QHS-50-3	415	235	265	50	120	80	106	140	140	175	50
QHS-65-3	430	235	265	65	150	85	158	140	140	175	50
QHS-65-5	480	264	300	70	150	100	154	162	190	225	50
QHS-80-7.5	526	264	300	70	150	100	154	182	216	250	50
QHS-80-10	536	264	300	70	150	100	154	182	216	250	50
QHS-100-7.5	550	264	300	74	210	106	163	182	216	250	50
QHS-100-10	740	348	400	86	210	122	167	210	254	300	50
QHS-100-15	740	348	400	86	210	122	167	210	254	300	50
QHS-100-20	740	348	400	86	210	122	167	210	254	300	50
QHS-125-15	756	348	400	92	250	128	210	210	254	300	50
QHS-125-20	756	348	400	92	250	128	210	210	254	300	50

QHS SERIES - STAINLESS STEEL CENTRIFUGAL PUMP

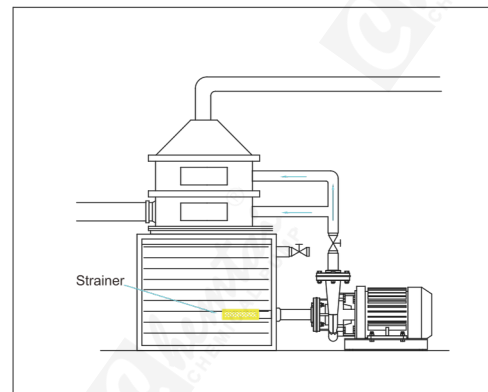
Used In Heat Exchanger



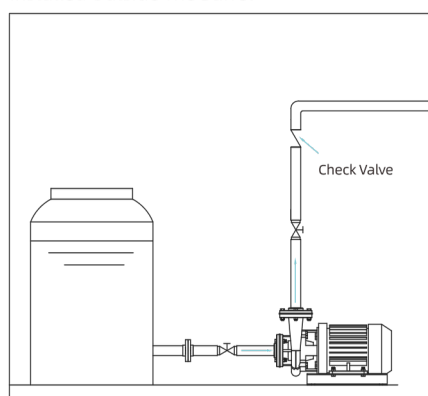
Used In Reaction Tank Or Filter Compressor



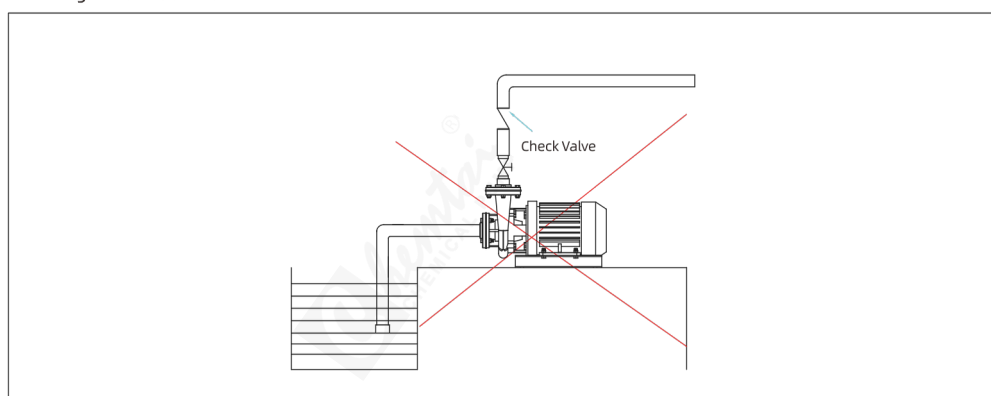
Used In Waste Gas Cleaning Tower



Installed Outside The Barrel



Warning: Incorrect use



Attentions:

1. The pump shall be installed on a solid horizontal ground and kept stable. The pump inlet and outlet shall be equipped with valves for maintenance.
2. Try to avoid installing the machine in the outdoor area. Outdoor pump shall be covered with a protective cover. If the pump is equipped with an electronic controller, safeguard procedures shall be adopted.
3. The pump made of PVC material shall be protected from direct sunlight to prevent material embrittlement.
4. Before piping, different pipe fitting materials shall be selected according to the chemical liquid used, temperature conditions and delivery head to meet the actual requirements. For example, if the temperature is above 60 °C, PP pipe fitting shall be selected for installation.
5. When piping, it shall be noted that there shall be no impurities or debris left in the pipe. If necessary, clean the pipe with clean water.
6. The flange joint shall be supplemented with gasket and locked to prevent air from being sucked into the pump.
7. If metal material is employed, shockproof joint shall be installed in the pipeline at the pump inlet and outlet to prevent the flange at the inlet and outlet from being broken.
8. When the pump conveying liquid exceeds a certain height, a check valve shall be installed at the outlet to prevent pump damage caused by back pressure.
9. The safety drain valve shall be installed between the pump outlet and the first on-off valve. It is better to install a pressure gauge to detect the pressure in the pipe.
10. Avoid suction of sundries and siphon effect, please add bottom valve (Ford valve).
11. Check valve shall be installed near the pump inlet and outlet as far as possible, and T-joint shall be employed when installing pressure gauge or safety discharge valve.

12. When piping, pay attention that the pipeline shall not be forcibly twisted. After installation, check whether the pump body is distorted due to excessive force or incorrect installation method.
13. After the machine is fixed, confirm whether it is firm, and rotate the motor fan to confirm whether the motor can rotate freely.
14. Before connecting the power cord, confirm whether the selected power supply matches the motor model, and connect the over-current protection switch.
15. If it is used for dangerous chemical liquid, the pump shall be covered with a protective cover.
16. Before starting the pump motor, fill it with liquid, check whether the inlet and outlet valves are open, and do not implement idling operation.
17. After installation, confirm whether the pipeline is firm again to avoid damage caused by vibration.
18. Before starting the power supply, check whether the inlet and outlet pipelines are correctly selected. For example: whether the inlet and outlet valves are opened, whether the pipeline flow path is correct, whether the liquid in the tank is normal and whether the pipeline is damaged, etc.
19. When operating liquid in dangerous environment, it is required to wear protective clothing, face shield and safety shoes and socks.
20. Check all kinds of protection switches. For example: whether the liquid switch, the liquid level controller in the tank and the power protection switch are in the normal operation position.
21. After starting the power supply, check whether the flow at the outlet is normal. If the flow is too small, stop the power supply immediately, and then check the inlet and outlet pipelines to address the problem.

CORROSION RESISTANCE CHART

Chemical Solution Name	Concentration %	Temperature °C	Body Material			Seal Material			Rubber Material		
			FRPP	CPVC	PVDF / GFR/ETFE	Ceramic	Carbon	Sic	NBR	EPDM	VITON
H₂SO₄ Sulfuric acid	30	40	×	●	●	●	●	●	●	●	●
		60	×	●	●	●	●	●	●	●	●
		80	×	○	●	●	●	●	●	○	●
		95			●	●	●	●			●
	60	40	×	●	●	●	●	●		●	●
		60	×	●	●	●	●	●		●	●
		80	×	△	●	●	●	●		○	●
		95			●	●	●	●			●
	98	40	×	○	●	●	●	●			●
		60	×	△	○	●	●	●			●
		80			●	●	●	●			●
		95			●	●	●	●			●
HCL Hydrochloric acid	25	40	●	●	●	○	●	●		●	●
		60	○	○	●	●	●	●		●	●
		80			●	●	●	●		○	●
	35	40	●	●	●	●	●	●		○	○
		60	○	○	●	●	●	●			
		80			●	●	●	●			
CrO₃ Chromic acid	20	40	×	○	●	●	●	●			●
		60		△	●	●	●	●			●
		80			●	●	●	●			○
HNO₃ Nitric acid	30	40	○	○	●	●	○	●			●
		60	×	△	●	●	○	●			●
		80	×	×	●	●	○	●			●
	50	40	△	○	●	●	○	●			●
		60	×	△	●	●	○	●			●
		80			●	●	○	●			●
H₃PO₄ Phosphoric acid	10	40	●	●	●	●	●	●	●	●	●
		60	●	●	●	●	●	●	○	●	●
		80	○	○	●	●	●	●		○	●
	50	40	●	●	●	●	●	●		●	●
		60	●	○	●	●	●	●		○	●
		80	△	△	●	○	●	●		○	●
NaOCl Sodium Hypochlorite	10	40	○	●	●	●	○	●			●
		60	○	○	●	●	△	●			●
		80	△		●	●	×	●			●
CH₃COOH Acetic acid	20	40	●	●	●	●	●	●			×
		60	●	○	●	●	●	●			×
		80	○	△	●	●	●	●			×
HF Hydrofluoric	30	40	×	○	●	×	○	●		●	
		60	×	△	●	×	○	●		●	
		80	×	×	●	×	○	●		○	
HNO₃ + 3HCl Aqua regia	3:1	40	×	△	●	●	×	●	×		○
		60	×	×	●	○	×	●	×		○
		80	×	×	●	●	×	●	×		●
H₂O₂ Hydrogen Peroxide	20	40	●	●	●	●	×	●	×		●
		60	●	○	●	●	×	●	×		●
		80	○	○	●	●	×	●	×		●
NaOH Sodium Hydroxide	45	40	●	○	●	●	×	●	●	●	○
		60	○	△	○	●	×	●	●	●	△
		80	○	×	×	●	×	●	○	○	△
FeCl₃ Ferric chloride	40	40	●	●	●	●	●	●	●	●	●
		60	●	●	●	●	●	●	○	●	●
		80	●	●	●	●	●	●	●	●	●
Cu(CN)₂ Copper Cyanide		40	●	●	●	△	●	●	●		●
		60	●	●	●	△	●	●	●		●
ZnCl₂ Zinc Chloride		40	●	●	●	●	●	●	●		●
		60	●	●	●	●	●	●	●		●
NiSO₄ Nickel Sulfate		40	●	●	●	●	●	●	●		●
		60	●	●	●	●	●	●	●		●

● : Excellent ○ : Good △ : Not Good × : Bad



A new level of pump performance.
Expanded field of application owing
to improved corrosion resistance.