

**QEEHUA**<sup>®</sup>

CHEMICAL PUMP & FILTER  
WITH ACID-ALKALI RESISTANCE  
EXPERT IN R&D AND MANUFACTURING

## Stainless Steel Centrifugal Pump

**Model: QHS**

**BTS**  
ENGINEERING

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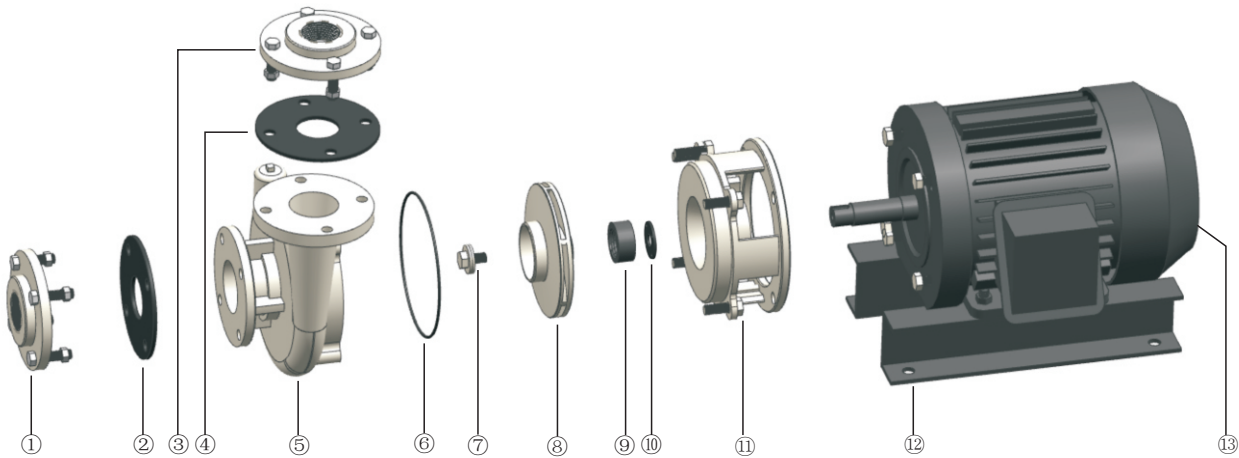
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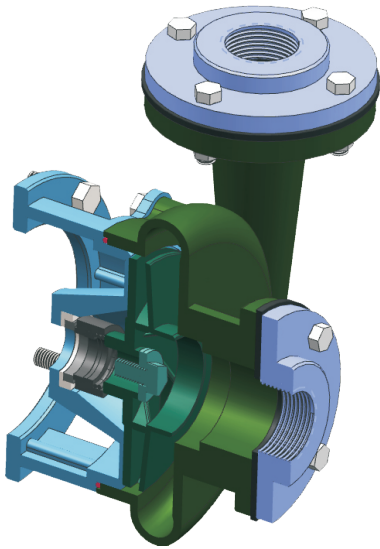


## Stainless steel centrifugal pump [QHS series]



- |                 |                    |
|-----------------|--------------------|
| 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 superiority

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 performance;
4. 4-pole motor centrifugal pump to solve the problem of rapid temperature rise of liquid;
5. Equipped with anti-idling device, which can prevent the shaft seal from being damaged due to pump idling in case of lack of liquid;
6. Secondary energy efficiency, energy conservation and environmental protection (customized);
7. SUS304 or SUS316 material, with high temperature and corrosion resistance, etc.



## Model description

# QHS-50-3-S-6-V-5

① ② ③ ④ ⑤ ⑥ ⑦

① Model No. : QHS

② Diameter of - Screw type: 25-1" 40-1.5" 50-2" 65-2.5" 80-3" 100-4"

③ Horsepower: 1/2-1/2HP; 1-1 HP; 2-2HP; 3-3HP; 5-5HP; 7.5-7.5HP; 10-10HP

④ Shaft seal material: S-SSIC

⑤ Pump material: 4-SUS304; 6-SUS316

⑥ O-Ring material: E-EPDM; V-VITON(FKM); P-PTFE

⑦ Frequency: 5-50HZ; 6-60HZ

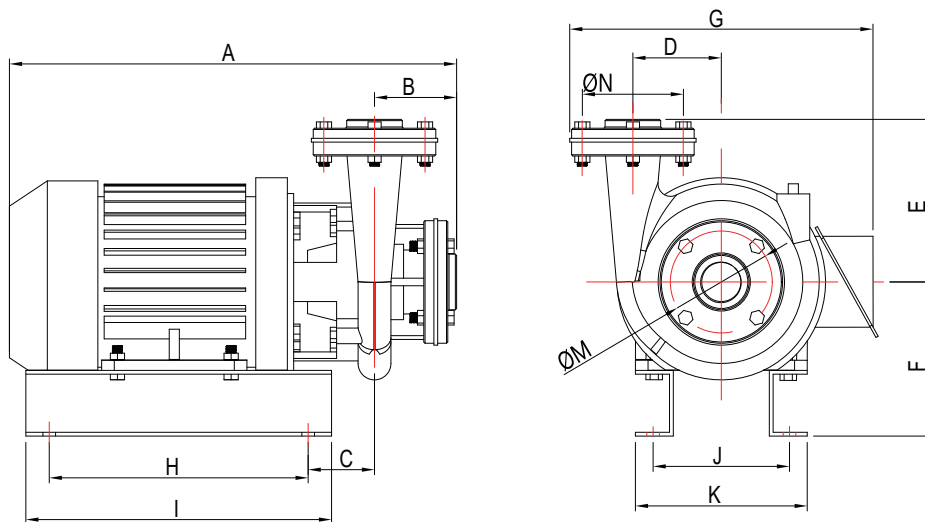
## Product specification

**Total head (H) = meter (M) water yield Q = liter / minute (L / MIN) or cubic meter / hour (M<sup>3</sup>/H)**

Item	Model	Horse power HP	Inlet and outlet diameter	Pole P	10M		15M		20M		25M		30M		35M		40M	
					L/MIN	M <sup>3</sup> /H	L/MIN	M <sup>3</sup> /H	L/MIN	M <sup>3</sup> /H	L/MIN	M <sup>3</sup> /H	L/MIN	M <sup>3</sup> /H	L/MIN	M <sup>3</sup> /H	L/MIN	M <sup>3</sup> /H
01	QHS-25-1/2	0.5	25*25	2	115	6.9	80	4.8										
02	QHS-25-1	1	25*25	2	140	8.4	100	6										
03	QHS-40-1	1	40*40	2	190	11.4	120	7.2										
04	QHS-40-2	2	40*40	2	250	15	230	13.8	200	12	160	9.6						
05	QHS-50-2	2	50*50	2	340	20.4	300	18	260	15.6								
06	QHS-40-3	3	40*40	2	360	21.6	340	20.4	330	19.8	255	15.3	190	9.6				
07	QHS-50-3	3	50*50	2	420	25.2	390	23.4	350	21	270	16.2						
08	QHS-65-3	3	65*65	2	580	34.8	490	29.4	385	23.1								
09	QHS-50-5	5	50*50	2	550	33	500	30	460	27.6	425	25.5	390	23.4				
10	QHS-65-5	5	65*65	2	845	50.7	735	44.1	620	37.2	485	29.1						
11	QHS-80-5	5	80*80	2	890	53.4	810	48.6	760	45.6	650	39						
12	QHS-80-7.5	7.5	80*80	2	980	58.8	900	54	800	48	680	40.8	550	33				
13	QHS-100-7.5	7.5	100*100	2	1265	75.9	1133	68	1000	60								
14	QHS-80-10	10	80*80	2	1050	63	1000	60	880	52.8	760	45.6	670	40.2				
15	QHS-100-10	10	100*100	2	1450	87	1300	78	1090	65.4								
16	QHS-80-15	15	80*80	2	1180	70.8	1000	66	960	57.6	870	52.2	825	49.5	785	47.1		
17	QHS-100-15	15	100*100	2	2040	122.4	1820	109.2	1600	96	1410	84.6	1130	79.8	1220	73.2		
18	QHS-125-15	15	125*125	2	2460	147.6	2300	96	1870	112.2								
19	QHS-80-20	20	80*80	2	1605	96.3	1535	92.1	1470	88.2	1405	84.3	1330	79.8	1145	68.7	1050	63
20	QHS-100-20	20	100*100	2	2850	171	2530	151.8	2230	133.8	1950	111.7	1670	100.2	1430	85.8	1210	72.6
21	QHS-125-20	20	125*125	2	2710	162.6	2430	145.8	2230	133.8	1850	111						
22	QHS-150-20	20	150*150	2	2810	168.6	2560	153.6	2370	142.2	2050	123						
23	QHS-125-25	25	125*125	2	3150	189	2800	168	2420	145.2	1910	114.6	1450	87	1300	78	1150	69
24	QHS-150-25	25	150*150	2	3350	201	3000	180	2620	157.2	2110	126.6	1650	99				
25	QHS-125-30	30	125*125	2	5250	315	5000	300	4230	253.8	4000	240	3650	219	3350	201	3200	192
26	QHS-150-30	30	150*150	2	5980	358.8	5620	337.2	5210	312.6	4940	296.4	4340	260.4	3510	210.6		
27	QHS-125-40	40	125*125	2	5355	321.3	5015	300.9	4330	259.8	4100	246	3852	231.1	3410	204	3300	198
28	QHS-150-40	40	150*150	2	6210	372.6	6000	360	5825	349.5	5010	300.6	4475	268.5	3640	218.4	3450	207



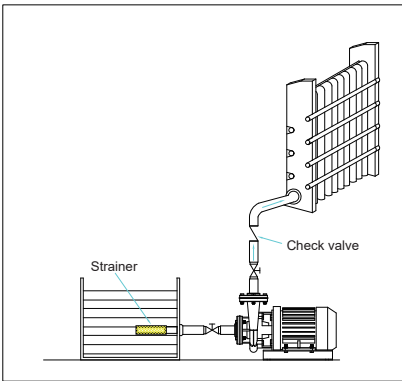
## Size specification



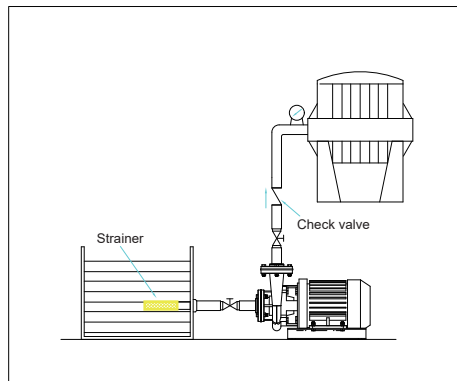
Model	Dimension diagram (unit: mm)												
	A	B	C	D	E	F	G	H	I	J	K	M	N
QHS-25-1/2	340	45	63	70	107	121	241	204	235	112	147	78	78
QHS-25-1	355	45	63	70	107	130	265	204	235	125	160	78	78
QHS-40-1	355	45	63	70	107	130	265	204	235	125	160	78	78
QHS-40-2	414	50	71	80	106	140	295	235	265	140	175	97	97
QHS-50-2	414	50	71	80	106	140	295	235	265	140	175	97	97
QHS-50-3	414	50	71	80	106	140	295	235	265	140	175	97	97
QHS-65-3	420	65	80	88	158	140	295	235	265	140	175	122	122
QHS-50-5	481	73	98	103	154	162	348	264	300	190	225	122	122
QHS-65-5	481	73	98	103	154	162	348	264	300	190	225	122	122
QHS-80-5	481	73	98	103	154	162	348	264	300	190	225	122	122
QHS-80-7.5	520	73	88	103	154	182	396	264	300	216	266	122	122
QHS-100-7.5	580	80	130	110	170	182	419	264	300	216	266	180	180
QHS-80-10	520	73	88	103	154	182	396	264	300	216	266	122	122
QHS-100-10	580	80	130	110	170	182	419	264	300	216	266	180	180
QHS-80-15	668	80	124	110	170	230	402	348	400	254	300	180	180
QHS-100-15	720	100	137	121	175	230	475	348	400	254	300	180	180
QHS-125-15	720	95	137	137	220	230	502	348	400	254	300	210	210
QHS-80-20	668	65	124	125	160	230	402	348	400	254	300	180	180
QHS-100-20	720	100	137	129	175	230	475	348	400	254	300	180	180
QHS-125-20	720	95	137	137	220	230	502	348	400	254	300	210	210
QHS-150-20	748	117	165	155	210	230	550	345	400	270	325	240	240
QHS-100-25	805	100	200	160	220	230	550	450	500	254	300	210	210
QHS-150-25	830	150	220	170	270	230	550	450	500	254	300	240	240
QHS-125-30	830	100	200	160	22	250	595	450	500	279	352	210	210
QHS-150-30	855	115	213	162	215	250	580	390	450	280	330	240	240
QHS-125-40	795	100	240	160	220	270	590	450	500	318	325	210	210
QHS-150-40	910	150	210	170	270	270	600	450	500	318	325	240	240

# QHS Installation diagram

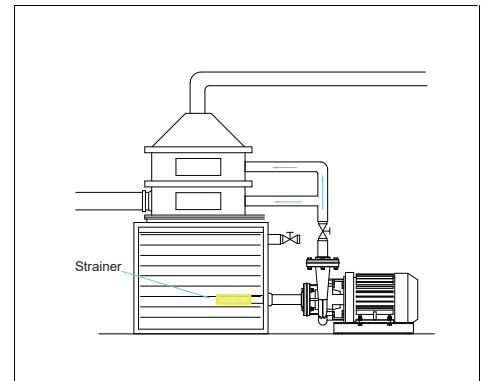
Used in heat exchanger



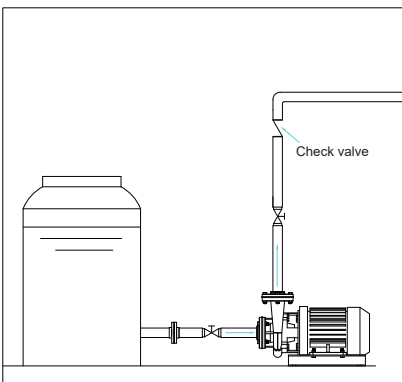
Used in reaction tank or filter compressor



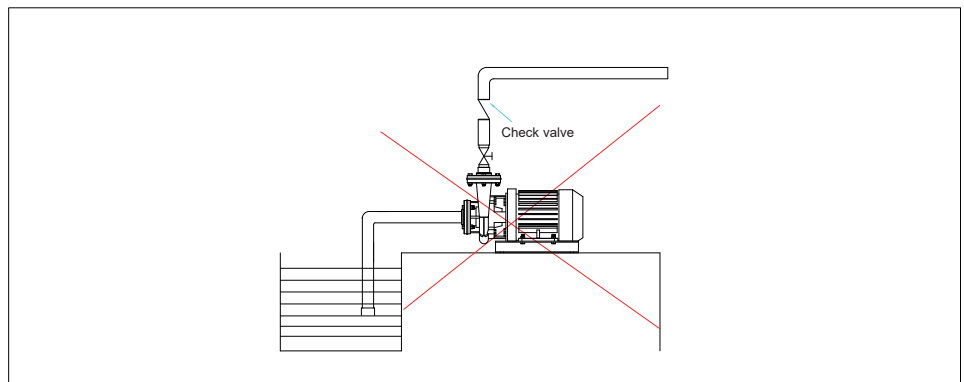
Used in waste gas cleaning tower



Installed outside the barrel



Warning: incorrect use



## Attentions:

- 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.
- 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.
- The pump made of PVC material shall be protected from direct sunlight to prevent material embrittlement.
- 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.
- 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.
- The flange joint shall be supplemented with gasket and locked to prevent air from being sucked into the pump.
- 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.
- 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.
- 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.
- Avoid suction of sundries and siphon effect, please add bottom valve (Ford valve).
- 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.
- 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.
- After the machine is fixed, confirm whether it is firm, and rotate the motor fan to confirm whether the motor can rotate freely.
- Before connecting the power cord, confirm whether the selected power supply matches the motor model, and connect the over-current protection switch.
- If it is used for dangerous chemical liquid, the pump shall be covered with a protective cover.
- Before starting the pump motor, fill it with liquid, check whether the inlet and outlet valves are open, and do not implement idling operation.
- After installation, confirm whether the pipeline is firm again to avoid damage caused by vibration.
- 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.
- When operating liquid in dangerous environment, it is required to wear protective clothing, face shield and safety shoes and socks.
- 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.
- 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.

The logo features the text "Stainless Steel Centrifugal Pump QHS" in orange, stacked vertically within a white circular border. This is set against a large orange circular background on the left side of the page, which is partially overlaid by a grey curved shape.

## Stainless Steel Centrifugal Pump QHS

### 1. High cost performance:

Independent production, stable quality and controllable cost.

### 2. Excellent product performance:

Corrosion resistance, idling resistance, no leakage, low noise, high efficiency, surface corrosion resistance, durable.

### 3. Advanced product technology:

Cooperate with colleges and universities to carry out production, learning and research activities, master cutting-edge technology, and constantly make breakthroughs in the direction of low energy consumption and high efficiency. At present, the unique technology includes: 4P motor magnetic pump addresses the problem of rapid temperature rise of liquid medicine, and intelligent monitoring addresses the problem of idling.

### 4. Continuous upgrading of materials:

Imported CFRETFE material is resistant to strong acid, strong alkali and high temperature.

### 5. Rich product categories:

It can be upgraded to replace all kinds of old equipment.

### 6. Strong qualification:

Patented technology, CE, SGS quality certification of European Union, government designated supplier