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QEEHUA®

QHG SERIES
ACID & ALKALI RESISTANT PLASTIC CENTRIFUGAL PUMP

Excellent Corrosion Resistance | High Performance | Cost-Effective | Customization | Extended Service Life

HEAD OFFICE IN SOUTH CHINA:
GUANGDONG QEEHUA INDUSTRY EQUIPMENT CO., LTD.
Address: No.8, East Chenwu Road, Houjie Town, Dongguan City, Guangdong Province, China.

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2026.08.07

GUANGDONG QEEHUA INDUSTRY EQUIPMENT CO., LTD.

中国泵 企梦华

Chinese Pump,
Qeehua Dream

15 Years of Application Experience • Full-Process Corrosion-Resistant Pump Solutions

Fifteen years ago, Qeehua started with non-metallic magnetic pumps

Widely praised by customers for its exquisite manufacturing technology and technical capabilities

Qeehua has since entered the factories of thousands of enterprises

Creating efficient corrosion-resistant pump solutions for multiple industries

With excellent corrosion resistance and a wide range of applications

Professional sales network and fast-response technical support services

Qeehua is accelerating its leading position in the segmented market

Our Company Mission

Let the world love
with Chinese pumps

Our Company Vision

To be an expert
in the chemical pump
industry and a model
of corporate happiness

Our Core Values

Dedication, Agility, Integrity,
Harmony, Gratitude, Win-Win

Our Family Culture

Co-construction,
Co-responsibility,
Sharing,
Co-prosperity

Special Corrosion-Resistant Pumps &
Filtration Equipment for PCB Circuit Boards
CHOOSE QEEHUA, REST ASSURED

Acid & Alkali-Resistant Plastic Centrifugal Pump

Suitable for Circulation and Transfer of Most Acidic and Alkaline Liquids
Long Service Life
Excellent Resistance to Strong Acids and Alkalis

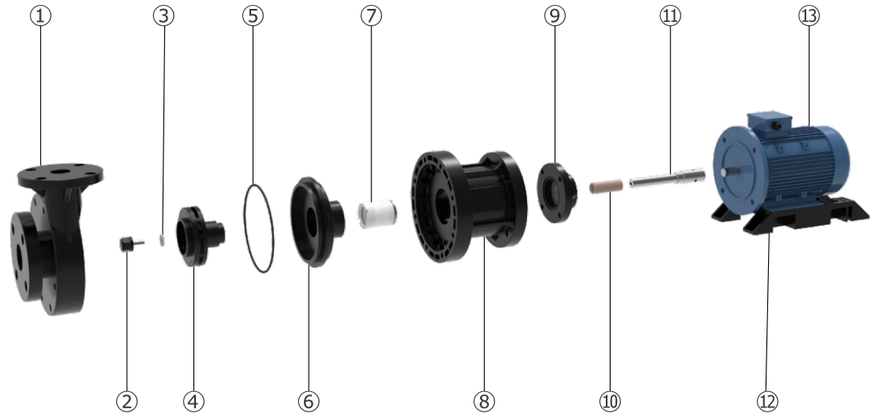
Model Series

50Hz 60Hz

Main Materials	Model	Max. Flow (L/min) (200 400 600 800 1000 1200 1400 1600 1800 2000 2200)	Max. Head (m) (5 10 15 20 25 30 35 40)	Specific Gravity Range
GFRPP / PVDF	QHG-40012	276.7 / 271.7	15.6 / 15.4	<1.2
	QHG-40022	326.7 / 356.7	20.3 / 21.4	
	QHG-40032	385 / 418.3	20.1 / 27.3	
	QHG-50052	778.3 / 726.7	27.2 / 26.4	
	QHG-65052	821.7 / 821.7	23.4 / 24.1	
	QHG-65072	906.7 / 916.7	32.1 / 33	
	QHG-65102	1050 / 1043.3	30.6 / 31.5	
	QHG-100102	1660 / 1370	22.4 / 20.3	
	QHG-100152	2125 / 1706.7	24.2 / 29.7	

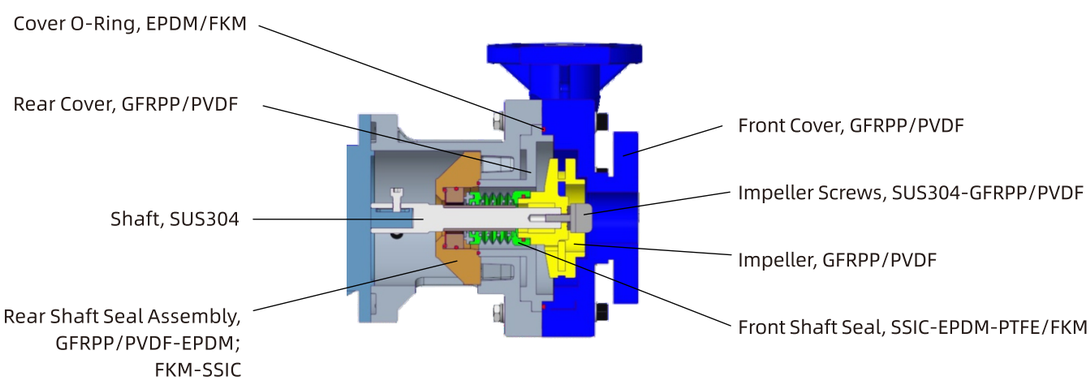
- Medium Temperature: 0°C to +90°C | Medium Specific Gravity: 1-2 | Ambient Operating Temperature: -5°C to +50°C | Maximum Operating Altitude: 2,000 m | Maximum Working Pressure: 5 bar
- Test Basis: The above performance data are based on clean water at 25°C under normal operating speed. The performance tolerance is ±5%. Pump performance may vary depending on the specific gravity and temperature of the handled fluid.
- The above factory test data are for reference only. Due to differences in actual operating conditions, including chemical liquid viscosity, piping layout, flowmeter type and other factors, the final pump performance parameters shall be subject to the actual measured data at the equipment installation site.

QHG Exploded View



① Front Cover
② Impeller Screws
③ Sealing Gasket
④ Impeller
⑤ O-Ring
⑥ Rear Cover
⑦ Front Shaft Seal
⑧ Connecting Bracket
⑨ Rear Shaft Seal Assembly
⑩ Shaft Sleeve
⑪ Shaft
⑫ Base
⑬ Motor

Structure Drawing and Materials



QHG 1HP-15HP

Acid & Alkali-Resistant Plastic Centrifugal Pump

Product Features

· High Practicality
Designed for demanding chemical transfer applications, with a maximum flow rate of up to 2,125 L/min and liquid specific gravity up to 2.0. Suitable for acid and alkaline chemical solutions containing ferrous impurities or particles smaller than 2 mm.

· Integrated Injection-molded Structure
The front cover and inlet/outlet flanges are manufactured as a one-piece injection-molded structure without any welding points, ensuring excellent sealing performance and reliable leakage prevention.

· Outstanding Corrosion Resistance
Available with GFRPP or PVDF pump head materials, providing excellent compatibility with most strong acids, strong alkalis and corrosive chemical fluids.

Model Description

QHG - G - 40 - 02 - 2 - P - SSH - 5 - V38 - A - A - A - A - S
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭

① Model No.: QHG
② Materials of Pump Head: G-GFRPP; P-PVDF
③ Outlet Caliber: 40-40 mm; 50-50 mm; 65-65 mm; 80-80 mm; 100-100 mm
④ Power: 01-1 HP; 02-2HP; 03-3 HP; 05-5 HP; 07-7.5 HP; 10-10 HP; 15-15 HP
⑤ Pole: 2-2P
⑥ O-Ring Material: E-EPDM; V-FKM
⑦ Shaft Seal: SSH- Front/Rear Seal SSIC
⑧ Frequency: 5-50 Hz; 6-60 Hz
⑨ Voltage: V38-3Ø / 380 V; V41-3Ø / 415 V; V44-3Ø / 440 V; V48-3Ø / 480 V; V66-3Ø / 660 V; V32-3Ø / 220 V; V22-1Ø / 220 V
⑩ Motor Brand: A-ABLE; Q-Other
⑪ Liquid Specific Gravity: 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
⑫ 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
⑬ Motor Protection Level: A-IP55; B-IP56; C-IP65
⑭ S-Standard; N-Non-Standard

Product Specification

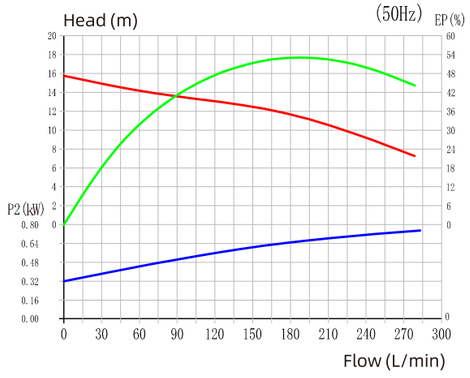
Model	Inlet x Outlet (mm)	Max. Flow				Max. Head		Motor			Net Weight (kg)
		50 Hz		60 Hz		50 Hz	60 Hz	Power			
		L/min	m³/h	L/min	m³/h			Pole	HP	kW	
QHG-40012	50/40	276.7	16.6	271.7	16.3	15.6	15.4	2P	1	0.75	19.1
QHG-40022	50/40	326.7	19.6	356.7	21.4	20.3	21.4	2P	2	1.5	23.8
QHG-40032	50/40	385.0	23.1	418.3	25.1	20.1	27.3	2P	3	2.2	26.5
QHG-50052	65/50	778.3	46.7	726.7	43.6	27.2	26.4	2P	5.5	4	41
QHG-65052	80/65	821.7	49.3	821.7	49.3	23.4	24.1	2P	5.5	4	41.3
QHG-65072	80/65	906.7	54.4	916.7	55	32.1	33	2P	7.5	5.5	48
QHG-65102	80/65	1050.0	63	1043.3	62.6	30.6	31.5	2P	10	7.5	53
QHG-100102	100/100	1660.0	99.6	1370	82.2	22.4	20.3	2P	10	7.5	65.8
QHG-100152	100/100	2125.0	127.5	1706.7	102.4	24.2	29.7	2P	15	11	78.3

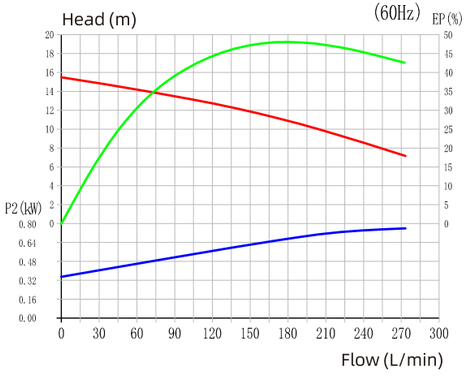
- Medium Temperature: 0℃ to +90℃ | Medium Specific Gravity: 1~2 | Ambient Operating Temperature: -5℃ to +50℃ | Maximum Operating Altitude: 2,000 m | Maximum Working Pressure: 5 bar
- Test Basis: The above performance data are based on clean water at 25℃ under normal operating speed. The performance tolerance is ±5%. Pump performance may vary depending on the specific gravity and temperature of the handled fluid.
- The above factory test data are for reference only. Due to differences in actual operating conditions, including chemical liquid viscosity, piping layout, flowmeter type and other factors, the final pump performance parameters shall be subject to the actual measured data at the equipment installation site.

Performance Curve

Head & Flow Efficiency Shaft Power

QHG-40012





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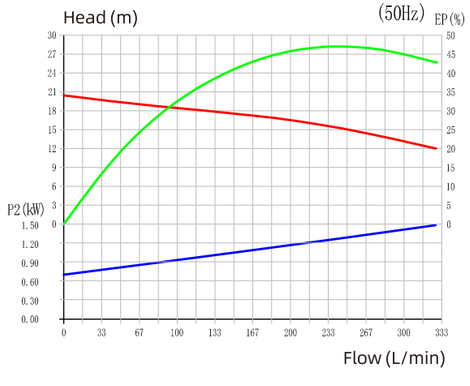
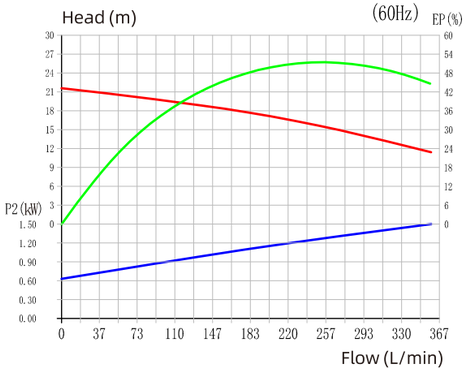
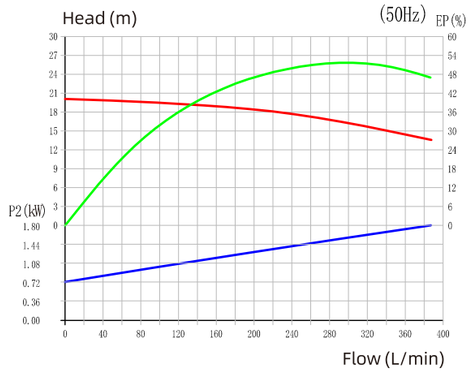
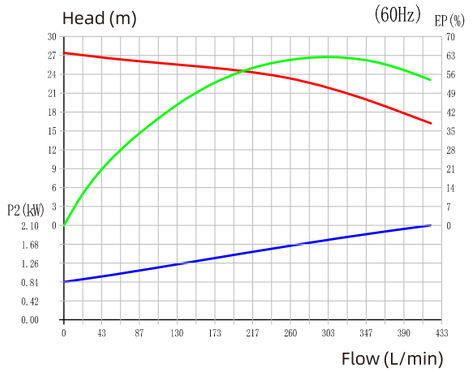


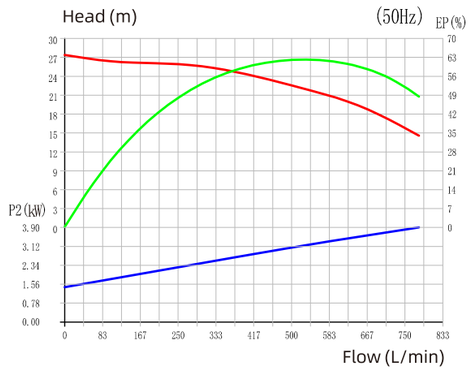


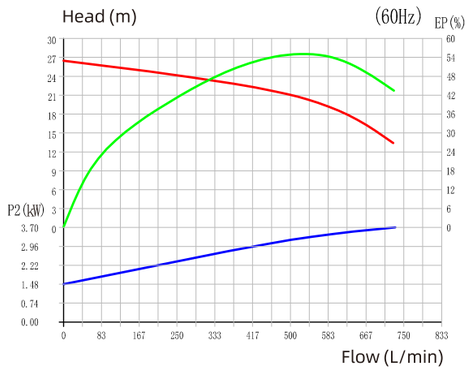
QHG-40032





QHG-50052





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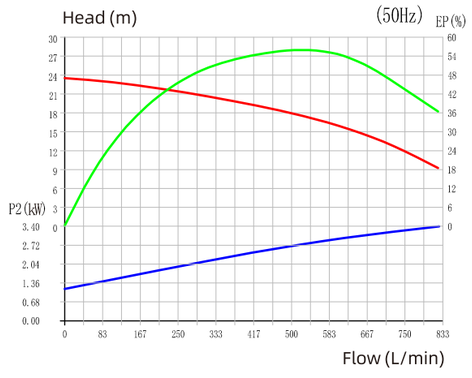

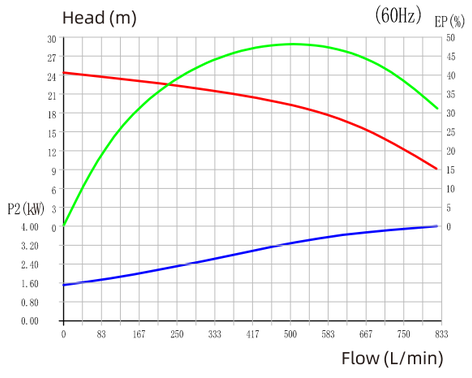

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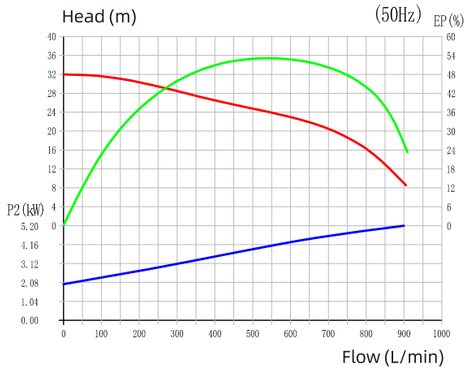
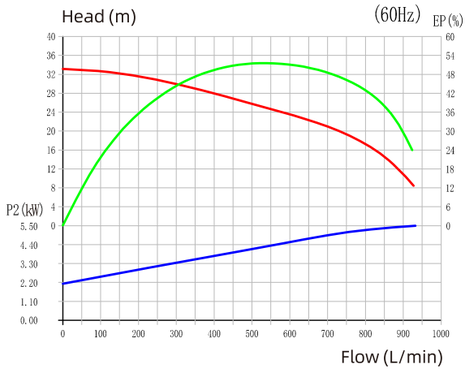
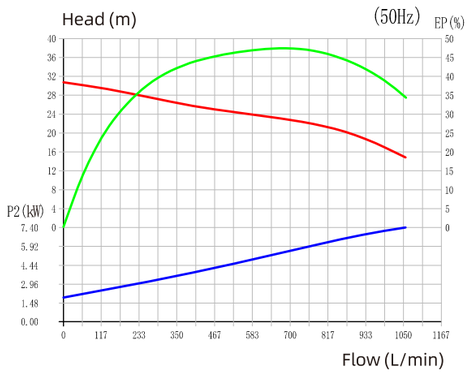
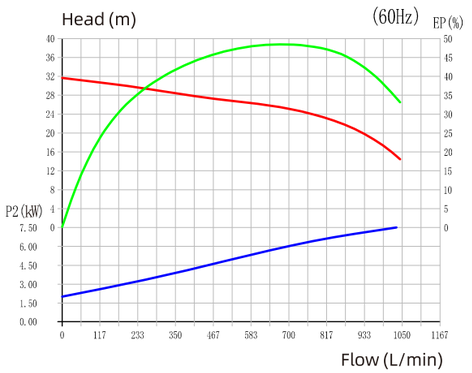


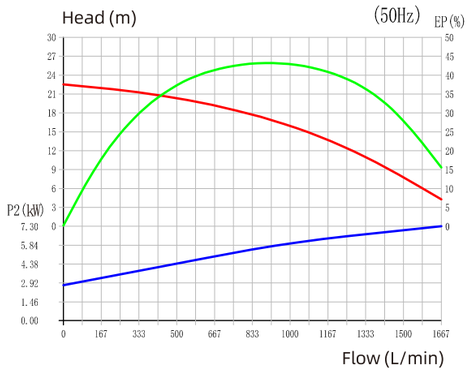


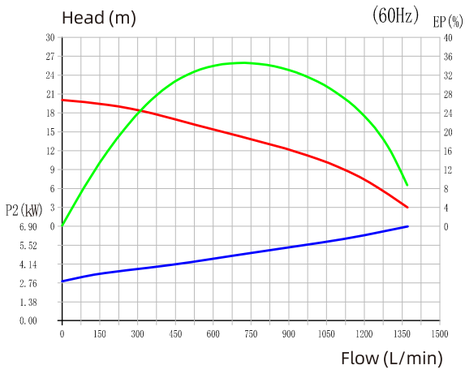
QHG-65102



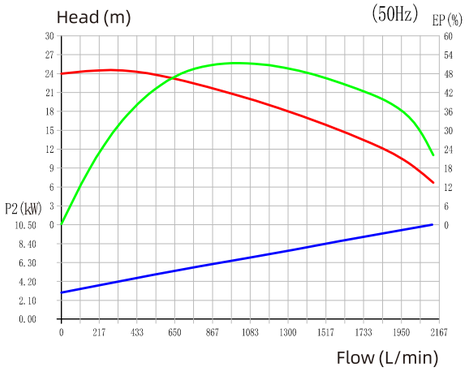


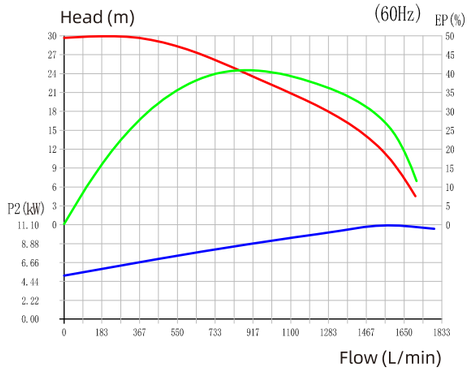
QHG-100102



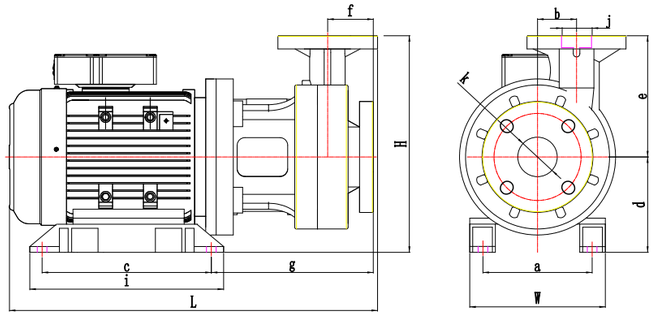


QHG-100152





Size Drawing



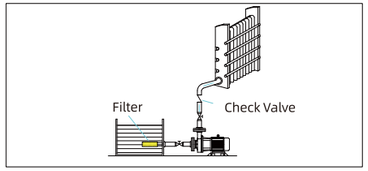
Unit: mm

Model	L	H	W	a	b	c	d	e	f	i	g	j	k
QHG-40012	575	292.5	168	125	65	278	123	169.5	66	323	270	Ø36	Ø50
QHG-40022	584	297	182	140	65	278	132	165	66	323	275	Ø36	Ø50
QHG-40032	565	305	182	140	65	278	132	165	66	323	245	Ø36	Ø50
QHG-50052	637	362	226	183	65	278	156	206	73	323	293	Ø50	Ø65
QHG-65052	660	362	226	183	65	278	156	206	73	323	292	Ø65	Ø76
QHG-65072	696	362	232	190	65	278	156	206	73	323	292	Ø65	Ø76
QHG-65102	698	362	232	190	65	278	156	206	73	323	292	Ø65	Ø76
QHG-100102	702	400	260	214	65	278	175	225	74	323	325	Ø98	Ø101
QHG-100152	764	400	260	214	65	278	175	225	74	323	325	Ø98	Ø101

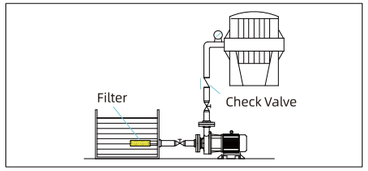
● Note: The dimensions shown in this drawing are for the GFRPP material version.

Installation Instruction

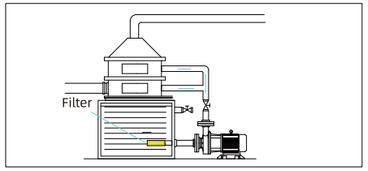
Used for Heat Exchangers



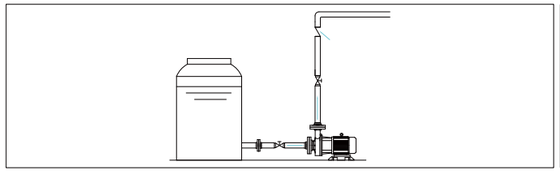
Used for Reaction Tanks or Filter Presses



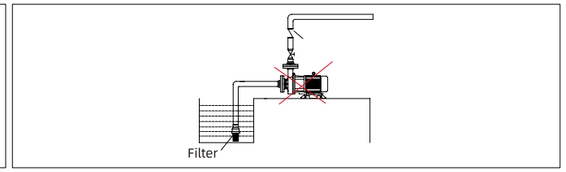
Used for Exhaust Gas Scrubbers



Installed Outside the Tank



WARNING: Improper Use



Safety Precautions for Installation and Operation

1. Install the pump on a solid, level foundation and keep it stable. Valves should be installed at both the pump inlet and outlet for easy maintenance.
2. Avoid installing the pump outdoors whenever possible. If outdoor installation is necessary, a protective cover should be provided. If the pump is equipped with an electronic controller, the controller must also be properly protected.
3. PVC pumps should be protected from direct sunlight to prevent material embrittlement.
4. Before piping, select suitable pipe materials according to the chemical properties of the liquid, operating temperature and required delivery head. For example, when the temperature exceeds 60℃, PP pipe fittings should be used.
5. During piping, make sure no impurities or debris remain inside the pipes. If necessary, flush the piping with clean water.
6. Flange joints should be fitted with gaskets and tightened securely to prevent air from being drawn into the pump.
7. When metal piping is used, flexible anti-vibration joints should be installed at the pump inlet and outlet to prevent the inlet and outlet flanges from cracking due to vibration.
8. When the liquid is discharged to a certain height, a check valve should be installed at the outlet to prevent back pressure from damaging the pump.
9. The safety discharge valve should be installed between the pump outlet and the first shut-off valve. A pressure gauge should be installed whenever possible to monitor the pressure inside the piping.
10. To prevent foreign matter from being drawn into the pump, install a filter or strainer at the suction inlet.
11. The check valve should be installed as close as possible to the pump inlet or outlet. T-fittings should be used when installing a pressure gauge or safety discharge valve.
12. Do not forcibly twist or bend the piping during installation. After installation, check whether the pump body is twisted or deformed due to excessive force or improper installation.
13. After the pump unit is fixed, check that it is firmly secured. Rotate the motor fan by hand to confirm that the motor rotates freely.
14. Before connecting the power cable, make sure the power supply matches the motor specifications, and install an overcurrent protection switch.
15. When handling hazardous chemical liquids, the pump should be fitted with a protective cover as a safety precaution.
16. Before starting the pump motor, fill the pump with liquid and check that the inlet and outlet valves are open. Do not run the pump dry.
17. After installation, check again that the piping is securely fixed to prevent damage caused by vibration.
18. Before turning on the power, check that the inlet and outlet piping is correctly arranged. For example, check whether the inlet and outlet valves are open, whether the flow path is correct, whether the liquid level in the chemical tank is normal, and whether the piping is damaged.
19. When operating in hazardous environments or handling hazardous liquids, wear protective clothing, a face shield, safety shoes and protective socks.
20. Check all protective switches, such as the liquid level switch, tank level controller and power protection switch, and make sure they are all in the normal operating position.
21. After turning on the power, check whether the outlet flow is normal. If the flow rate is too low, shut off the power immediately, then check the inlet and outlet piping and remove any blockage.