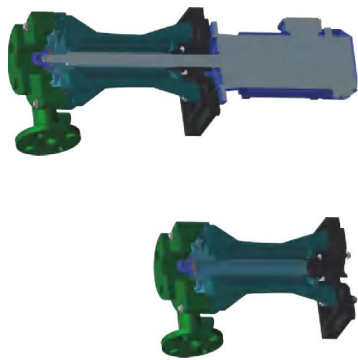


© 400-8558-745

ump

QP / QHA
JHH / QHP



Outside-tank vertical pump [QHD series]

Product specification

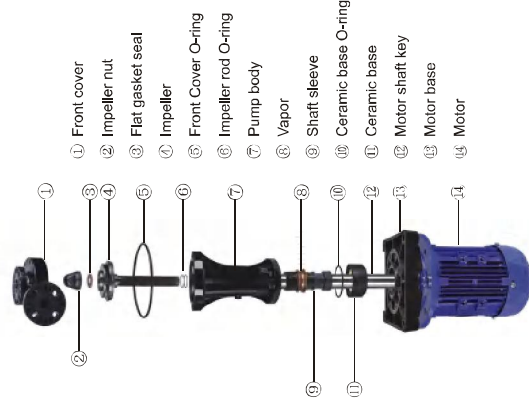
Model	Inlet and outlet diameter (mm) Inlet / outlet	Horse power	Max.Head (M)		Max.Capacity (L/min)		Weight (kg)
			50HZ	60HZ	50HZ	60HZ	
			QHD-40SK-15	50/40	1	14	
QHD-40SK-25	50/40	2	18	22	400	320	30
QHD-40SK-35	50/40	3	20	26	420	420	32
QHD-50SK-35	65/50	3	21	23	530	520	32.5
QHD-50SK-55	65/50	5	31	36	580	560	43.9
QHD-65SK-55	80/65	5	29	29	550	700	44.6
QHD-65SK-7.55	80/65	7.5	34	37	730	960	58.6
QHD-65SK-105	80/65	10	31	39.5	970	1100	65.4
QHD-100SK-155	100/100	15	35	35	1710	1800	85.6



Model description

QHD--65--SK--7.5--5--V--F
 ① ② ③ ④ ⑤ ⑥ ⑦

- ① Model No.: QHD
- ② Outlet diameter: 40-1.5", 50-2", 65-2.5", 100-4"
- ③ S.G: SK-1.1 ; SP-1.4
- ④ Horsepower: 1-1 HP, 2-2HP, 3-3HP, 5-5HP, 7.5-7.5HP, 10-10HP, 15-15HP, 20-20HP
- ⑤ Frequency: 5.50HZ ;
- ⑥ O-Ring: E-EPDM ; V-VITON(FKM)
- ⑦ Pump material: F-GFRPP ; C-CFRPP ; P-PVDF



- ① Front cover
- ② Impeller nut
- ③ Flat gasket seal
- ④ Impeller
- ⑤ Front Cover O-ring
- ⑥ Impeller rod O-ring
- ⑦ Pump body
- ⑧ Vapor
- ⑨ Shaft sleeve
- ⑩ Ceramic base O-ring
- ⑪ Ceramic base
- ⑫ Motor shaft key
- ⑬ Motor base
- ⑭ Motor

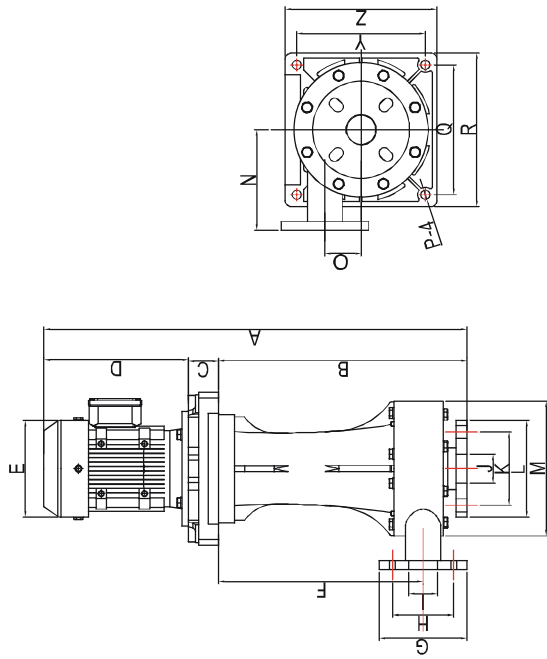
Product characteristics:

1. GFRPP, CFRPP, PVDF plastic steel are used for injection molding, with strong acid and alkali resistance;
2. It can be used idling and in combination with the filter connection;
3. It is suitable for various acid-alkali liquid circulation, spray washing equipment, exhaust gas tower, etching machine, waste water treatment and various special electroplating liquid circulation transportation.

Product superiority

1. The inlet and outlet flange and the front cover are injection molded, which can reduce the probability of leakage;
2. The convex point structure and flat gasket seal ring are used at the impeller nut and impeller seal, which can ensure the excellent effect of sealing;
3. The vibration of impeller is less than 2.0MM/S, and the mould is employed for integral injection molding, with long service life;
4. The distance between impeller and front cover and back cover is precise to improve efficiency and reduce noise;
5. High precision and high anticorrosion dry shaft seal is adopted to prevent leakage of liquid and acid alkali gas;
6. Unlimited idling in case of liquid shortage

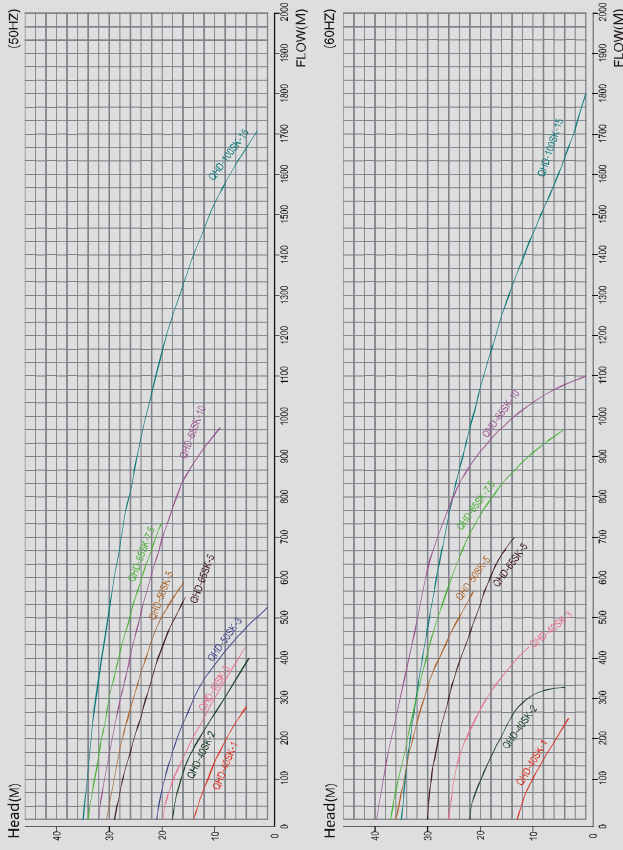
Size specification



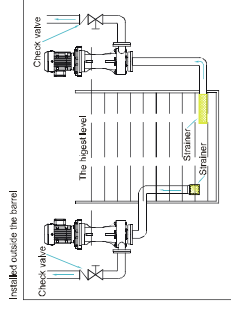
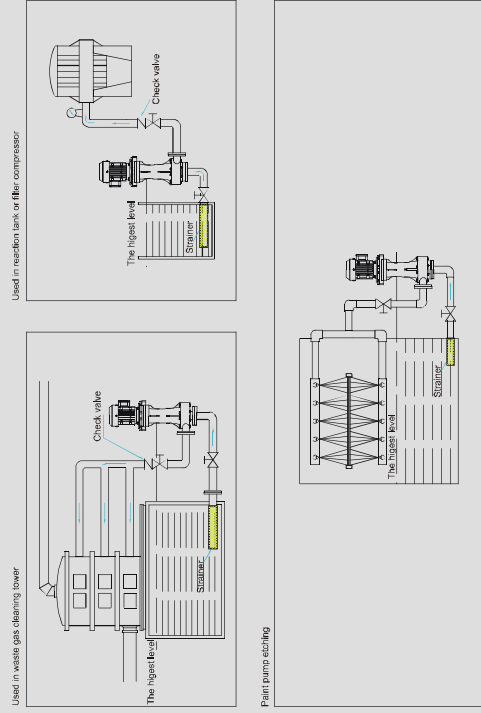
Model	A	B	C	D	E	F	G	H	I	J
QHD-40SK-1	714	423	53	238	Ø158	356	Ø151	Ø104	Ø36	Ø50
QHD-40SK-2	756	423	53	280	Ø175	356	Ø151	Ø104	Ø36	Ø50
QHD-40SK-3	756	423	53	280	Ø175	356	Ø151	Ø104	Ø36	Ø50
QHD-50SK-3	756	423	53	280	Ø175	356	Ø153	Ø117	Ø50	Ø67
QHD-50SK-5	803	426	53	324	Ø218	353	Ø153	Ø117	Ø50	Ø67
QHD-65SK-5	803	426	53	324	Ø218	353	Ø175	Ø130	Ø65	Ø75
QHD-65SK-7.5	835	426	53	356	Ø234	352.5	Ø175	Ø130	Ø65	Ø75
QHD-65SK-10	875	426	53	396	Ø230	352.5	Ø175	Ø130	Ø65	Ø75
QHD-100SK-15	809	436	53	420	Ø268	360	Ø208	Ø174	Ø97	Ø101
QHD-100SK-20	809	436	53	420	Ø268	360	Ø208	Ø174	Ø97	Ø101

Model	K	L	M	N	O	P	Q	R	Y	Z
QHD-40SK-1	Ø122	Ø155	Ø230	170	65	Ø15	220	264	220	264
QHD-40SK-2	Ø122	Ø155	Ø230	170	65	Ø15	220	264	220	264
QHD-40SK-3	Ø122	Ø155	Ø230	170	65	Ø15	220	264	220	264
QHD-50SK3	Ø135	Ø175	Ø230	170	65	Ø15	220	264	220	264
QHD-50SK-5	Ø135	Ø175	Ø260	200	69	Ø15	220	264	220	264
QHD-65SK-5	Ø145	Ø188	Ø260	200	69	Ø15	220	264	220	264
QHD-65SK-7.5	Ø145	Ø188	Ø260	200	67	Ø18	300	350	300	350
QHD-65SK-10	Ø145	Ø188	Ø260	200	67	Ø18	300	350	300	350
QHD-100SK-15	Ø174	Ø208	Ø288	220	68	Ø18	300	350	300	350
QHD-100SK-20	Ø174	Ø208	Ø288	220	68	Ø18	300	350	300	350

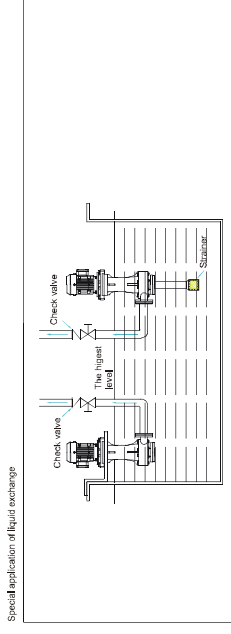
QHD Performance curve



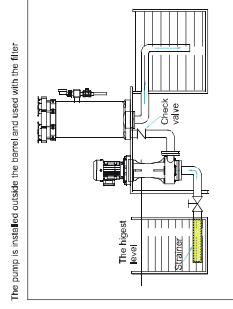
Installation diagram



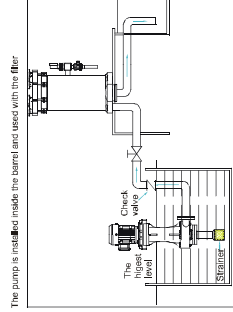
Installed outside the barrel



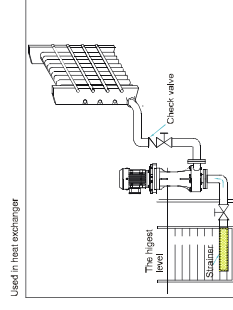
Special application of liquid exchange



The pump is installed outside the barrel and used with the filter



The pump is installed inside the barrel and used with the filter

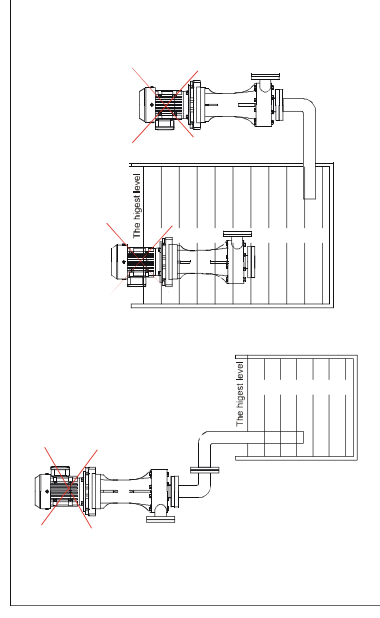


Used in heat exchanger

Attentions:

1. If it is used in chemical plant or environment with volatile gas, it is necessary to select the safe and explosion-proof Eg3 or D2g4 motor.
2. Filter screen shall be installed at the inlet pipe to prevent foreign matters from being inhaled, which may cause damage to the pump.
3. If the outlet pipe is higher than the motor, a check valve shall be installed at the highest point of the liquid level to prevent the motor from being damaged.
4. The mixing of different types of chemical solution may cause chemical reaction, even high heat, which may damage the pump. Therefore, do not use the same pump to transport different chemical solutions.

Warning: incorrect use



Accessories

Attached table: list of drug resistance

Drug name	Concentration	% Temperature	Material of pump head				Material of shaft seal			Rubber material	
			CFRPP	PVDF	CFRETFE	Ceramic	Carbon	Ssic	EPDM	VITON	
Hydrochloride HCL	15	40	●	●	●	○	●	●	●	●	●
		60	○	○	○	○	○	○	○	○	○
Hydrogen peroxide solution H ₂ O ₂	32	40	●	●	●	●	●	●	●	●	●
		60	○	○	○	○	○	○	○	○	○
Phosphoric acid H ₃ PO ₄	10	40	○	○	○	○	○	○	○	○	○
		60	○	○	○	○	○	○	○	○	○
Sodium hypo-chlorite NaClO	25	40	○	○	○	○	○	○	○	○	○
		60	○	○	○	○	○	○	○	○	○
Acetic acid CH ₃ COOH	25	40	○	○	○	○	○	○	○	○	○
		60	○	○	○	○	○	○	○	○	○
Hydrofluoric acid HF	25	40	○	○	○	○	○	○	○	○	○
		60	○	○	○	○	○	○	○	○	○
Aqua regia HCL+HNO ₃	3:1	40	○	○	○	○	○	○	○	○	○
		60	○	○	○	○	○	○	○	○	○
Chromic acid CrO ₃	20	40	○	○	○	○	○	○	○	○	○
		60	○	○	○	○	○	○	○	○	○
Sulphuric acid H ₂ SO ₄	30	40	○	○	○	○	○	○	○	○	○
		60	○	○	○	○	○	○	○	○	○
Sodium hydroxide NaOH	45	40	○	○	○	○	○	○	○	○	○
		60	○	○	○	○	○	○	○	○	○
Ferric chloride FeCl ₃	60	40	○	○	○	○	○	○	○	○	○
		60	○	○	○	○	○	○	○	○	○
Cupric cyanide Cu(CN) ₂	98	40	○	○	○	○	○	○	○	○	○
		60	○	○	○	○	○	○	○	○	○
Zinc chloride ZnCl ₂	40	40	○	○	○	○	○	○	○	○	○
		60	○	○	○	○	○	○	○	○	○
Nickel sulfate NiSO ₄	60	40	○	○	○	○	○	○	○	○	○
		60	○	○	○	○	○	○	○	○	○
Nitric acid HNO ₃	20	40	○	○	○	○	○	○	○	○	○
		60	○	○	○	○	○	○	○	○	○
Y-type filter	50	40	○	○	○	○	○	○	○	○	○
		60	○	○	○	○	○	○	○	○	○

● Outstanding ○ Good △ Fair x Poor

Y-type filter Dual-union ball valve Union connector Union ball valve