

WFB自吸排污泵 No sealed self priming pump



描述Introduction

WFB系列无密封自控自吸泵，是填补国内空白的首创产品，该产品具有耐温耐压、“一次引流”、“终生自吸”等多种功能。目前生产321、304、316、316L、A3、PP（增强聚丙烯）等多种材质的系列整机，五种不同造型共一千余种规格。在电子、电力、化工、冶金、医药、食品、电镀、环保、消防、市政、净水、国防军工、纺织印染、采掘选矿、民用建筑等行业中广泛适用，深受用户的好评。

WFB series self-priming pump without sealing is the first product to fill the gap in China. The product has the functions of temperature and pressure resistance, "one drainage", "lifelong self-priming" and so on. At present, the production of 321, 304, 316, 316L, A3, PP (reinforced polypropylene) and other materials of the series of complete machines, five different models of a total of more than 1000 kinds of specifications. It is widely used in electronics, electric power, chemical industry, metallurgy, medicine, food, electroplating, environmental protection, fire protection, municipal administration, water purification, national defense, textile printing and dyeing, mining and mineral processing, civil construction and other industries, and is well received by users.

优点:

1、本公司采用“泵用连环式多面离心密封装置”，革除了传统水泵的填料密封、盘根密封、机械密封、彻底制服了“跑、冒、滴、漏”，是替代各种长轴液下泵、潜水泵等最理想的设备。The factory adopts the "with the chain type multi-surface business center sealing device", the traditional water pump to eliminate the filling seal, packing seal, mechanical seal, completely uniform "run, run, run, drop, leakage", is to replace the original various long shaft liquid pump, submersible pump, submersible sewage pump and other ideal equipment.

2、运行过程中密封装置不摩擦，无磨损，使用寿命较同类产品长10倍以上。During operation, the sealing device has no friction and no wear, and its service life is more than 10 times longer than similar products.

3、移植真空泵原理，自吸性能稳定可靠，特别是采用“电动空气控制阀”，真正实现了“一次引流，终生自吸”。The principle of vacuum pump transplantation, stable and reliable self-priming performance, especially the use of "electric air control valve", truly achieve the "one-time drainage, lifelong self-priming.

4、振动小，噪音低，移动灵活，拆卸简便、易于安装，不需地脚固定。Small vibration, low noise, flexible movement, easy to disassemble, easy to install, no need to be fixed.

5、具有优越的自控功能，可与高科技领域和高度自动化系统配套使用5.With superior automatic control function, it can be used with high-tech field and high automation system.

配套电机功率的说明Description of matching motor power

为了合理的配套电机，我们借鉴发达国家的先进经验，把水泵分为A、B、C三种工况适应等级，本说明书中配套的电 机功率，是根据A级等级匹配的，您如在B、C级工况使用，可根据具体情况，相应降低配套电机功率。In order to reasonably support the motor, we use the advanced experience of developed countries for reference, and divide the water pump into A, B, and c. the matching motor power in this manual is matched according to the a-level level. If you use it in the b- level and c-level conditions, you can reduce the matching motor power according to the specific situation.

A级工况条件是:连续运行，吸程、流量、扬程三项性能均需达标（选定型号的规定标准）; The a-level operating conditions are: continuous operation, suction, flow and head performance are required to reach the standard (the specified standard of the selected model);

B级工况条件是:连续运行，三项性能只需两项达标; Class B operating conditions are: continuous operation, only two of the three performance;

C级工况条件是:间隔运行，三项性能只需一项达标; The condition of level C working condition is: interval operation, only one of the three performances is required to reach the standard.

产品型号 Ordering Code

2.3 PP - 200 WFB - AD1

性能分类 performance classification

无密封自吸泵 No sealed self priming pump

吸液口径 Suction fluid caliber (mm)

T:铁 iron;

G:钢 steel ;

PP:增强聚丙烯 reinforced polypropylene;

B×G:不锈钢 stainless steel (1 cr18ni9ti)

1: 长方型 rectangular type;

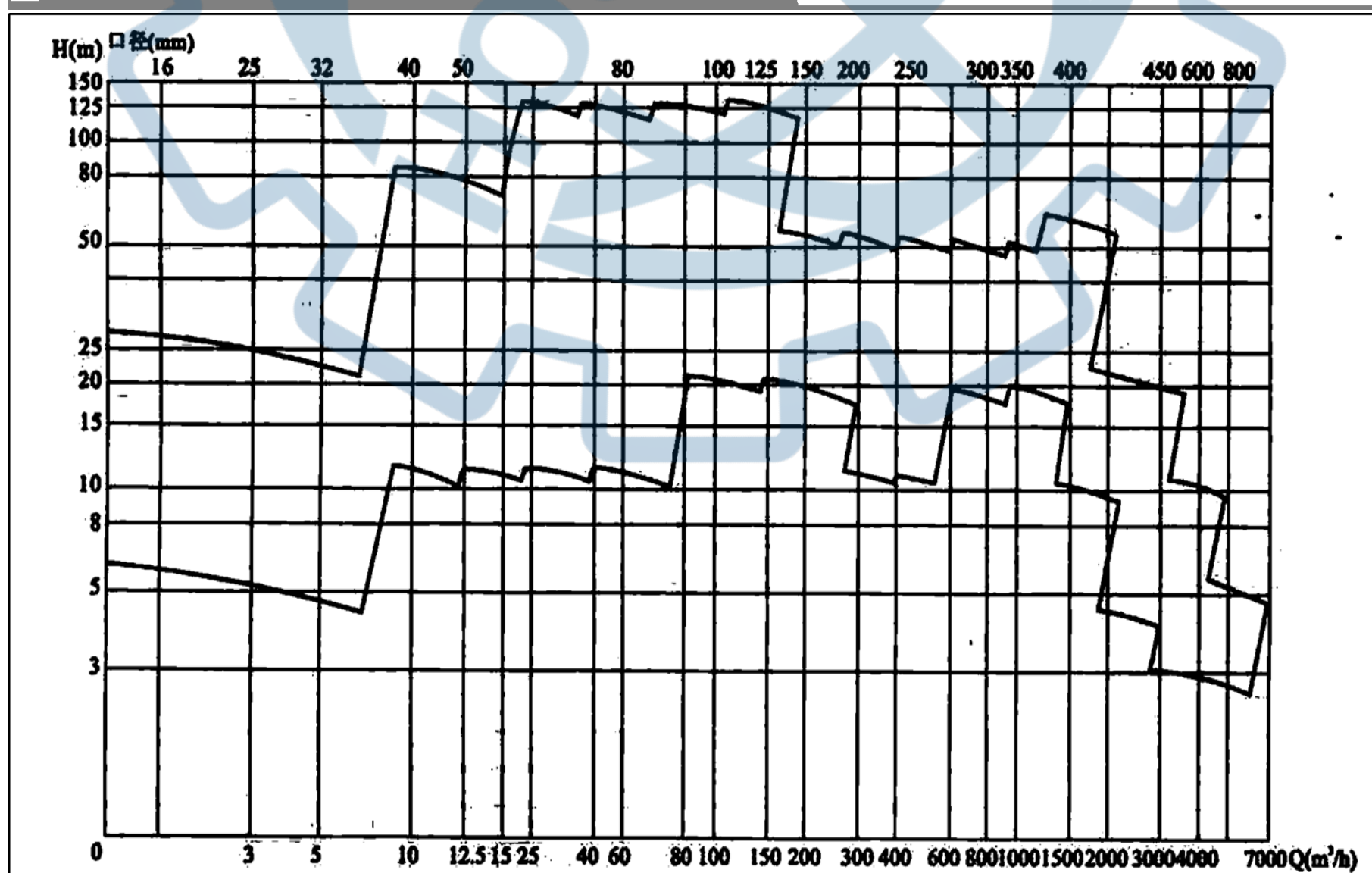
2: 圆锥型 cone type;

3: 防爆型 explosion-proof type ;

4: 户外型 outdoor type;

5: 推车移动型 mobile cart type;

型谱图 Performance Chart



型谱图Performance Chart

规格型号Model			转速 Speed(r/min)	流量 Capacity (m3/h)	总扬程 Head(m)	配套 功率 Power (kW)	允许 吸深 Suction Height (mm)	吸液口径 Discharge Dia (mm)	出液 口径 Discharge Dia (mm)	整机 重量 Weight(kg)
类别 代码 Clsaa Code	材质代码 Material	型号Model								
1-5	T.G.PP.B×G	16WFB-A	2900	0.75	8	0.75	2.5	16	10	75
				1.1	6.5					
				1.5	5.5					
1-5	T.G.PP.B×G	25WFB-A	2900	3.6	25	3	3.5	25	20	110
1-5	T.G.PP.B×G	32WFB-A	2900	4.5	13	1.5	3	32	25	99
				6.5	10.5					
				9	8					
1-5	T.G.PP.B×G	40WFB-A	2900	6.5	25	4	4	40	32	140
				8.5	23					
				10	21					
1-5	T.G.PP.B×G	40WFB-A1	2900	13.5	18	3	4	40	32	140
1-5	T.G.PP.B×G	40WFB-A2	2900	5	15	2.2	4	40	32	125
				8	13					
				10	11					
1-5	T.G.PP.B×G	40WFB-A3	2900	14	8	2.2	4	40	32	125
1-5	T.G.PP.B×G	50WFB-A	2900	7.5	28	5.5	5	50	40	205
				12.5	26					
				15	24.5					
1-5	T.G.PP.B×G	50WFB-A1	2900	10.5	20.5	3	5	50	40	170
1-5	T.G.PP.B×G	50WFB-AD	2900	5	11	1.5	4	50	40	149
				6.3	10					
				7.5	9					
1-5	T.G.PP.B×G	50WFB-AD1	1450	10	6	1.5	4	50	40	149
1-4	T.G.B×G	50WFB-B	2900	10	40	11	5	50	40	215
				11	38					
				15	35					
1-4	T.G.PP.B×G	50WFB-B1	2900	7	33	7.5	5	50	40	205
				12	31					
1-5	T.G.PP.B×G	50WFB-B2	2900	15	29	4	5	50	40	185
				10	26.5					
1-5	T.G.PP.B×G	50WFB-B3	2900	5	15	2.2	4	50	40	150
				6.4	14					
				7.5	12.5					
1-4	T.G.B×G	50WFB-C	2900	8.5	58	15	5	50	40	240
				12	56					
				15	54					
1-4	T.G.B×G	50WFB-C1	2900	11	46	7.5	5	50	40	215
				10	40					
1-4	T.G.B×G	50WFB-CD	1450	5	19	3	4	50	40	170
				6	18					
				8	17					
1-4	T.G.B×G	50WFB-E	2900	7.5	82	22	5	50	40	260
				12	80					
				15	75					
1-4	T.G.B×G	50WFB-E1	2900	12	68	18.5	5	50	40	250
				11	—					
				10	55					
1-5	T.G.PP.B×G	50WFB-E2	2900	3.5	26	3	4	50	40	170
				6.3	25					
				7.5	24					
1-5	T.G.PP.B×G	65WFB-A	2900	15	27	7.5	4	65	50	260
				20	26					
				25	24					
1-5	T.G.PP.B×G	65WFB-A1	2900	21	20	5.5	4	65	50	260
1-5	T.G.PP.B×G	65WFB-AD	1450	7	12	3	4	65	50	200
1-4	T.G.B×G	65WFB-B	2900	15	41	11	5	65	50	270
				25	38					
				30	36					
1-5	T.G.PP.B×G	65WFB-B1	2900	20	26	7.5	5	65	50	250
1-5	T.G.PP.B×G	65WFB-BD	1450	10	16	4	5	65	50	230
				12	14					
				15	13					
1-4	T.G.B×G	65WFB-C	2900	15	58	18.5	5	65	50	280
				25	56					
				30	52					
1-4	T.G.B×G	65WFB-C1	2900	22	45	15	5	65	50	265
1-5	T.G.PP.B×G	65WFB-C2	2900	7.5	19	4	5	65	50	240
				1.5	18					

型谱图Performance Chart

规格型号Model			转速 Speed(r/min)	流量 Capacity (m3/h)	总扬程 Head(m)	配套 功率 Power (kW)	允许 吸深 Suction Height (mm)	吸液口径 Discharge Dia (mm)	出液 口径 Discharge Dia (mm)	整机 重量 Weight(kg)
类别 代码 Clsaa Code	材质代码 Material	型号Model								
1-5	T.G.PP.B×G	65WFB-C2	2900	15	17	4	5	65	50	240
1-4	T.G.B×G	65WFB-E	2900	15	82	30	5	65	50	450
				25	80					
1-4	T.G.B×G	65WFB-E1	2900	21	64	18.5	5	65	50	340
				20	55					
1-5	T.G.PP.B×G	65WFB-E2	2900	7.5	27.5	7.5	5	65	50	280
				12.5	26					
				15	24.5					
1-4	T.G.B×G	65WFB-F	2900	15	127	45	5	65	50	485
				25	125					
				30	123					
1-4	T.G.B×G	65WFB-F1	2900	18	108	45	5	65	50	485
				21.5	95					
				23.5	85					
1-4	T.G.B×G	65WFB-F2	2900	7.5	38	7.5	5	65	50	270
				12.5	37					
				15	36					
1-4	T.G.B×G	65WFB-F3	2900	10	34	5.5	5	65	50	260
				9	30					
				8	26					
2-4	T.G.PP.B×G	80WFB-A	2900	30	28	11	6	80	65	380
				50	26					
				60	24					
				70	20					
2-4	T.G.PP.B×G	80WFB-AD	1450	15	11.5	4	4	80	65	305
				25	11					
				30	10.5					
				38	9					
2-4	T.G.PP.B×G	80WFB-A	2900	30	28	11	6	80	65	380
				50	26					
2-4	T.G.B×G	80WFB-B	2900	40	40	15	5	80	65	395
				50	38					
				60	35					
2-4	T.G.PP.B×G	80WFB-BD	1450	15	15	5.5	5	80	65	340
				25	14					
				30	13					
				35	11					
2-4	T.G.B×G	80WFB-C	2900	30	59	22	5	80	65	460
				50	55					
				60	52					
2-4	T.G.B×G	80WFB-C1	2900	45	38	15	5	80	65	400
				40	46					
2-4	T.G.PP.B×G	80WFB-C2	2900	15	19	7.5	5	80	65	320
				25	18					
				30	17					
2-4	T.G.PP.B×G	80WFB-CD	1450	21	14	5.5	5	80	65	340
				25	12					
2-4	T.G.B×G	80WFB-E	2900	30	84	37	5	80	65	480
				50	80					
				60	76					
2-4	T.G.B×G	80WFB-E1	2900	30	60	18.5	5	80	65	400
				40	50					
2-4	T.G.PP.B×G	80WFB-E2	2900	15	27	11	5	80	65	380
				25	26					
				30	24					
2-4	T.G.PP.B×G	80WFB-E3	2900	22	22	5.5	5	80	65	300
				20	18					
2-4	T.G.B×G	80WFB-F	2900	30	128	55	5	80	65	580
				50	125					
				60	120					
2-4	T.G.B×G	80WFB-F1	2900	26	103	45	5	80	65	530
				30	95					
				40	0					
2-4	T.G.B×G	80WFB-F2	2900	15	38	11	5	80	65	380
				25	36					
				30	35					
2-4	T.G.B×G	80WFB-F3	2900	21	34	11	5	80	65	380
				23	30					

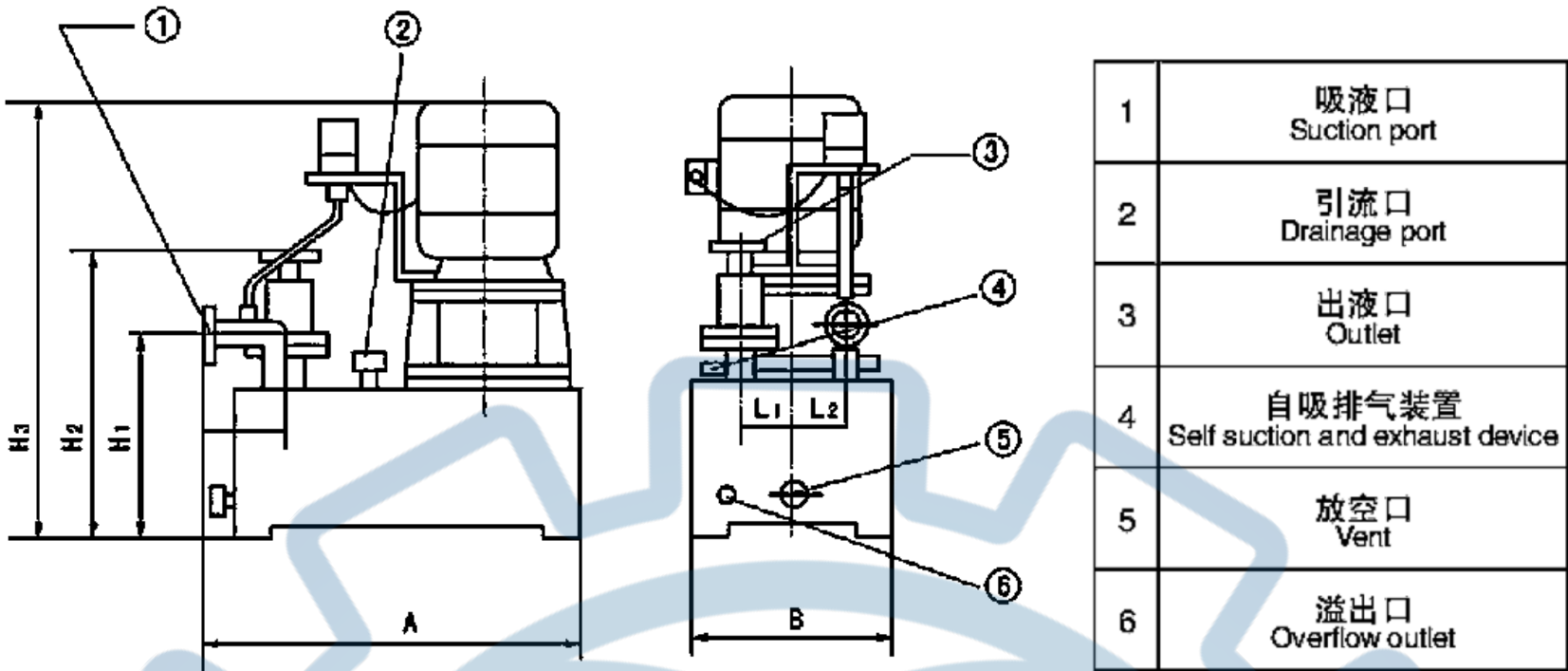
型谱图Performance Chart

规格型号Model			转速 Speed(r/min)	流量 Capacity (m3/h)	总扬程 Head(m)	配套 功率 Power (kW)	允许 吸深 Suction Height (mm)	吸液口径 Discharge Dia (mm)	出液 口径 Discharge Dia (mm)	整机 重量 Weight(kg)
类别 代码 Clsaa Code	材质代码 Material	型号Model								
2-4	T.G.B×G	80WFB-F3	2900	26	26	11	5	80	65	380
2-4	T.G.PP.B×G	100WFB-A	2900	60	30	18.5	5	100	80	560
				100	26					
				110	22					
				120	20					
2-4	T.G.PP.B×G	100WFB-AD	2900	30	12	7.5	5	100	80	450
				40	11					
				50	10					
				60	9					
2-4	T.G.B×G	100WFB-B	2900	60	40	22	5	100	80	580
				80	36					
				100	32					
				120	28					
2-4	T.G.PP.B×G	100WFB-BD	1450	30	15	11	5	100	80	520
				40	14					
				50	13					
				68	11					
2-4	T.G.B×G	100WFB-C	2900	100	52	45	5	100	80	630
				120	50					
				130	40					
2-4	T.G.B×G	100WFB-C1	2900	75	40	30	5	100	80	605
				85	35					
2-4	T.G.B×G	100WFB-C2	2900	40	20	11	5	100	80	520
				50	19					
				60	18					
2-4	T.G.PP.B×G	100WFB-C3	2900	40	16	7.5	5	100	80	500
				45	15					
2-4	T.G.B×G	100WFB-E	2900	60	87	55	5	100	80	720
				80	80					
				100	75					
2-4	T.G.B×G	100WFB-E1	2900	80	60	45	5	100	80	680
				100	51					
2-4	T.G.PP.B×G	100WFB-E2	2900	30	26	11	5	100	80	530
				50	25					
				55	24					
2-4	T.G.PP.B×G	100WFB-E3	2900	62	22	11	5	100	80	530
				58	18					
2-4	T.G.B×G	100WFB-F	2900	60	133	90	5	100	80	965
				80	125					
				100	120					
2-4	T.G.B×G	100WFB-F1	2900	80	108	75	5	100	80	820
				90	90					
				100	80					
2-4	T.G.B×G	100WFB-F2	2900	70	87	55	5	100	80	550
				100	80					
				130	68					
2-4	T.G.PP.B×G	100WFB-F3	2900	40	33	11	5	100	80	530
				43	29					
				46	26					
2-4	T.G.B×G	125WFB-A	2900	100	55	55	5	125	100	900
				150	50					
				180	45					
2-4	T.G.B×G	125WFB-A1	2900	170	40	45	5	125	100	860
				185	30					
2-4	T.G.PP.B×G	125WFB-A2	2900	70	20	15	5	125	100	720
				80	19					
				100	17					
2-4	T.G.PP.B×G	125WFB-AD	2900	105	16	15	5	125	100	740
				110	15					
2-4	T.G.B×G	125WFB-B	2900	120	86	110	5	125	100	1150
				200	80					
				240	72					
2-4	T.G.B×G	125WFB-B1	2900	150	65	75	5	125	100	1005
				170	60					
2-4	T.G.PP.B×G	125WFB-B2	2900	80	26	22	5	125	100	760
				100	25					
				120	24					
2-4	T.G.PP.B×G	125WFB-B3	2900	85	22	18.5	5	125	100	730

技术参数Technical Specification

规格型号Model			转速 Speed(r/min)	流量 Capacity (m3/h)	总扬程 Head(m)	配套 功率 Power (kW)	允许 吸深 Suction Height (mm)	吸液口径 Discharge Dia (mm)	出液 口径 Discharge Dia (mm)	整机 重量 Weight(kg)
类别 代码 Clsaa Code	材质代码 Material	型号Model								
2-4	T.G.PP.B×G	125WFB-B3	2900	90	20	18.5	5	125	100	730
2-4	T.G.B×G	125WFB-C	2900	160	132	160	5	125	100	1580
				180	125					
				200	120					
2-4	T.G.B×G	125WFB-C1	2900	180	108	110	5	125	100	1270
				190	93					
				208	80					
2-4	T.G.B×G	125WFB-C2	2900	80	40	30	5	125	100	790
				100	38					
				120	36.5					
2-4	T.G.PP.B×G	125WFB-C3	2900	92	23	18.5	5	125	100	750
				85	26					
				80	29					
2-4	T.G.B×G	125WFB-E	2900	70	52	37	5	125	100	820
				90	50					
				110	48					
2-4	T.G.B×G	125WFB-E1	2900	90	45	30	5	125	100	790
				95	40					
2-4	T.G.B×G	125WFB-E2	2900	85	36	22	5	125	100	770
2-4	T.G.B×G	150WFB-A	2900	120	28	30	5	150	125	990
				185	26					
				200	23.5					
				240	22.5					
2-4	T.G.B×G	150WFB-AD	1450	160	20	22	5	150	125	980
2-4	T.G.B×G	150WFB-B	2900	156	40	45	5	150	125	1060
				180	36					
				225	30					
2-4	T.G.B×G	150WFB-BD	1450	220	29	45	5	150	125	1080
				260	25					
2-4	T.G.B×G	150WFB-B1	2900	160	34	37	5	150	125	1020
				180	29					
				195	26					
2-4	T.G.B×G	150WFB-BD1	1450	120	55	75	5	150	125	1205
				200	50					
				240	45					
2-4	T.G.B×G	150WFB-C	2900	180	45	55	5	150	125	1100
				190	38					
2-4	T.G.B×G	150WFB-C1	2900	165	36	37	5	150	125	1020
2-4	T.G.B×G	200WFB-AD	1450	250	26.5	55	5	150	150	1415
				400	25					
				450	23.5					
2-4	T.G.B×G	200WFB-AD1	1450	360	22	45	5	200	150	1375
2-4	T.G.B×G	200WFB-AD2	1450	330	19	37	5	200	150	1335
2-4	T.G.B×G	200WFB-BD	1450	240	42	75	5	200	150	1520
				350	37					
				420	33.5					
2-4	T.G.B×G	200WFB-BD1	1450	340	28.5	55	5	200	150	1415
2-4	T.G.B×G	200WFB-BD2	1450	310	25	45	5	200	150	1375
				380	18					
				450	13					
				520	10					
2-4	T.G.B×G	200WFB-CD	1450	350	55	110	5	200	150	1790
				380	50					
				420	45					
2-4	T.G.B×G	200WFB-CD1	1450	360	45	90	5	200	150	1660
2-4	T.G.B×G	200WFB-CD2	1450	330	40	75	5	200	150	1520
2-4	T.G.B×G	250WFB-AD	1450	300	26.5	55	5	250	200	1556
				380	25					
				500	23.5					
2-4	T.G.B×G	250WFB-AD1	1450	600	13	45	5	250	200	1450
				880	8					
2-4	T.G.B×G	250WFB-AD2	1450	340	35	75	5	250	200	1660
				400	33					
				450	31					
2-4	T.G.B×G	250WFB-AD3	1450	500	28.5	75	5	250	200	1660
				600	22.5					
				720	18					

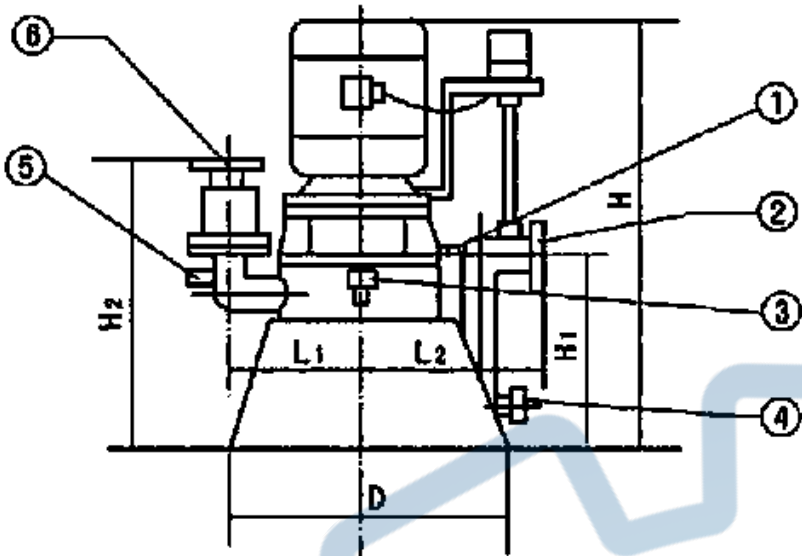
1型泵外形安装尺寸1 Type Pump Installation Dimensions



1 型泵示意图(长方形)
Schematic diagram of type 1 pump (rectangular)

规格型号		安装尺寸(mm)				外形尺寸(mm)		
类别代码	型号	H1	H2	L1	L2	A	B	H3
1	16WFB-A	300	460	60	65	455	265	700
1	32WFB-A	300	465	60	70	485	280	720
1	40WFB-A(1-3)	315	525	70	70	580	310	750
1	50WFB-A	345	555	85	90	630	360	775
1	50WFB-AD	315	515	65	75	485	280	720
1	50WFB-B(1-3)	345	555	85	90	630	360	775
1	50WFB-C	375	585	90	95	680	420	800
1	50WFB-CD	330	540	70	75	580	310	750
1	50WFB-E	375	585	90	95	688	420	800
1	65WFB-A	395	585	100	90	630	360	850
1	65WFB-AD	375	555	100	90	580	310	820
1	65WFB-B	395	585	100	90	630	360	850
1	65WFB-BD	380	560	100	90	585	310	828
1	65WFB-C(1-2)	395	590	100	90	680	420	850
1	65WFB-E(1-2)	400	585	100	110	680	425	840
1	65WFB-F(1-2)	375	605	120	115	780	480	995

2、3、4型泵外形安装尺寸2、3、4Type Pump Installation Dimensions

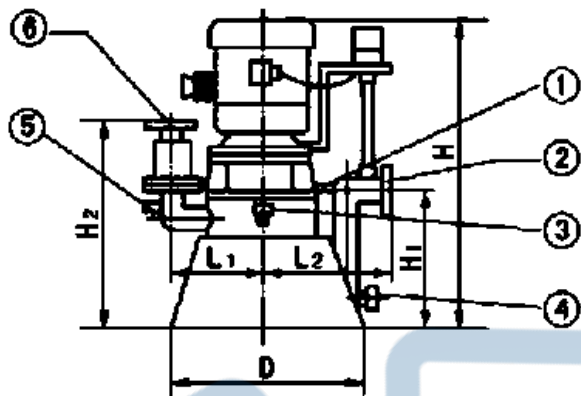


1	溢流口 Overflow port
2	吸液口 Suction port
3	引流口 Drainage port
4	放空口 Vent
5	自吸排气装置 Self suction and exhaust device
6	出液口 Outlet

2 型泵示意图(圆锥形)
Schematic diagram of type 2 pump (conical type)

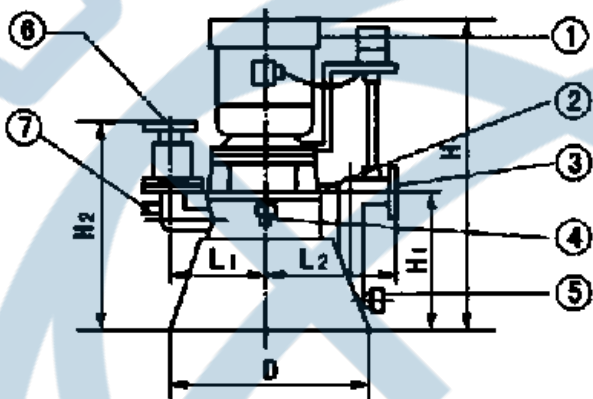
规格型号		安装尺寸(mm)				外形尺寸(mm)	
类别代码	型号	H1	H2	L1	L2	H	D
2	16WFB-A	250	400	185	220	780	430
2	32WFB-A	280	475	190	230	820	460
2	40WFB-A(1-3)	320	520	230	270	840	480
2	50WFB-A.B	340	560	275	315	880	530
2	50WFB-AD.CD	320	520	230	270	850	480
2	50WFB-C(1)	380	595	275	315	960	585
2	50WFB-E(1-2)	380	600	280	310	965	580
2	65WFB-A	385	605	290	340	935	585
2	65WFB-A1	365	560	290	340	900	530
2	65WFB-AD	370	570	290	340	880	530
2	65WFB-B.B1	380	605	290	340	935	585
2	65WFB-BD	365	560	290	340	900	530
2	65WFB-C(1-2)	390	605	310	360	995	608
2	65WFB-E	390	605	310	380	995	808
2	65WFB-E(1-2)	385	610	310	370	995	608
2	65WFB-F(1-3)	700	965	540	640	1350	858
2	80WFB-A.B	450	665	295	345	1060	608
2	80WFB-A.D	355	575	275	325	900	508
2	80WFB-BD	375	595	280	330	935	558
2	80WFB-C(1-2)	390	665	320	395	1110	608
2	80WFB-CD	365	570	290	340	950	558
2	80WFB-E(1-3)	620	900	365	485	1250	708
2	100WFB-A	490	735	350	395	1115	658
2	100WFB-AD	470	715	335	370	955	558
2	100WFB-B	625	860	490	575	1165	708
2	100WFB-BD	490	735	350	395	1075	658
2	100WFB-C(1-3)	620	900	365	485	1250	708
2	100WFB-E(1-3)	700	865	540	640	1505	908
2	100WFB-F(1-3)	740	1150	580	640	1950	1108

2、3、4型泵外形安装尺寸2、3、4Type Pump Installation Dimensions



3(圆)型泵示意图(防爆圆锥型)
3 (round) pump schematic diagram
(explosion-proof cone type)

1	溢流口 Overflow port
2	吸液口 Suction port
3	引流口 Drainage port
4	放空口 Vent
5	自吸排气装置 Self suction and exhaust device
6	出液口 Outlet

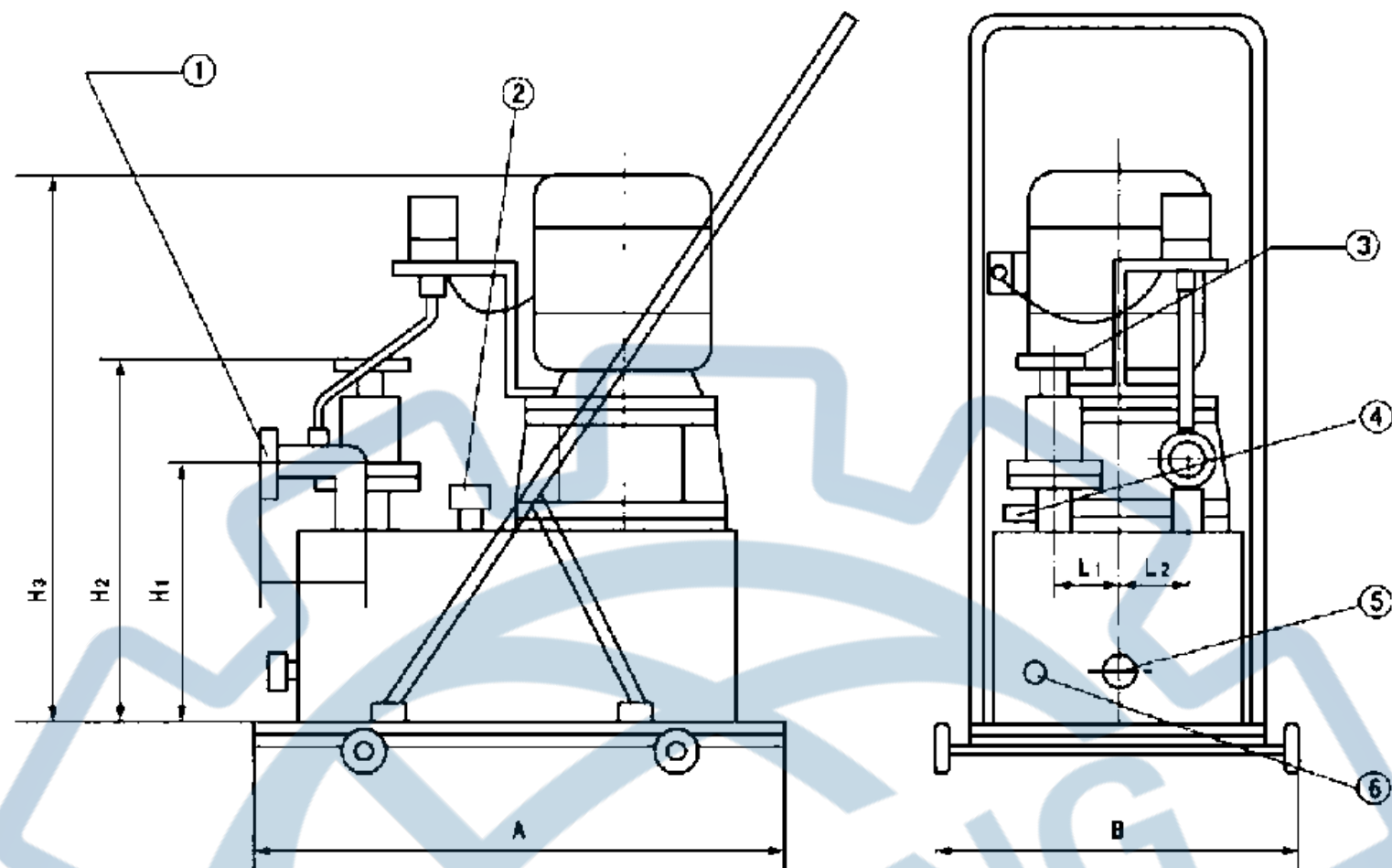


4(圆)型泵示意图(户外圆锥型)
4 (circular) pump schematic diagram
(outdoor cone type)

1	户外罩 Outdoor cover
2	溢流口 Overflow port
3	吸液口 Suction port
4	引流口 Drainage port
5	放空口 Vent
6	出液口 Outlet
7	自吸排气装置 Self suction and exhaust device

规格型号		安装尺寸(mm)				外形尺寸(mm)	
类别代码	型号	H1	H2	L1	L2	H	D
2	16WFB-A	680	950	495	555	1505	808
2	32WFB-A	490	735	350	395	1075	658
2	40WFB-A(1-3)	740	1150	495	555	1950	1108
2	50WFB-A.B	740	1150	495	555	1825	1008
2	50WFB-AD.CD	680	950	495	555	1505	808
2	50WFB-C(1)	620	900	365	485	1250	708
2	50WFB-E(1-2)	520	755	365	505	1150	658
2	65WFB-A	620	900	495	555	1250	808
2	65WFB-A1	680	950	495	555	1990	1008
2	65WFB-AD	620	910	500	560	1510	908
2	65WFB-B.B1	620	900	500	560	1250	708
2	65WFB-BD	720	1000	500	555	1505	908
2	65WFB-C(1-2)	730	1000	500	560	2065	1008
2	65WFB-E	720	1000	495	555	2130	1108
2	65WFB-E(1-2)	740	1150	580	640	2065	1008
2	65WFB-F(1-3)	750	1150	580	640	2130	1058
2	80WFB-A.B	795	1205	605	665	2130	1108
2	80WFB-A.D	795	1205	610	670	2215	1108
2	80WFB-BD	815	1230	630	690	2130	1108
2	80WFB-C(1-2)	825	1240	635	690	2215	1108
2	80WFB-CD	825	1230	630	690	2305	1108
2	80WFB-E(1-3)	905	1280	690	750	2508	1208
2	100WFB-A	905	1280	630	690	2215	1108
2	100WFB-AD	965	1280	640	720	2315	1188
2	100WFB-B	1205	1650	785	885	2325	1488
2	100WFB-BD	1205	1650	785	885	2325	1408
2	100WFB-C(1-3)	1685	2235	960	1050	2530	1728
2	100WFB-E(1-3)	1685	2245	960	1050	2580	1728
2	100WFB-F(1-3)	1685	2255	960	1050	2665	1728

5型泵外形安装尺寸5Type Pump Installation Dimensions



5型泵示意图（推车移动型）
Schematic diagram of type 5 pump (trolley mobile type)

1	吸液口 Suction port	4	自吸排气装置 Self suction and exhaust device
2	引流口 Drainage port	5	放空口 Vent
3	出液口 Outlet	6	溢流口 Overflow port

规格型号		安装尺寸(mm)				外形尺寸(mm)		
类别代码	型号	H1	H2	L1	L2	A	B	H3
5	16WFB-A	385	445	60	65	580	395	785
5	32WFB-A	385	450	60	70	610	410	805
5	40WFB-A(1-3)	400	610	70	70	705	440	835
5	50WFB-A	430	650	90	85	750	500	860
5	50WFB-A1 .AD	415	630	80	85	710	450	845
5	50WFB-B(1-3)C.D	420	630	70	80	710	445	840
5	65WFB-A.B.E	480	670	100	90	760	500	945
5	65WFB-AD.BD	460	640	100	90	705	440	910

◎使用须知Notice for use

(一)水泵分 Pump

- (1)安装，“引流口”排注的质，作“首次引流”以后在用不必引流。请拧紧“引流口”拼帽，防止漏气而影 响自吸。
- (1)after installation,fill the "drainage port"with drainage media,and do not use drainage after the "first drainage".Please tighten the cap of "drainage port"to prevent air leakage from affecting self-priming.
- (2)适应(单unit:mm)Adaptive particle indication
- | | | | | | | |
|----------------------------|------|--------|---------|---------|---------|-------|
| 吸液口直径
Entrance diameter | 50以下 | 50-100 | 100-200 | 200-300 | 300-400 | 400以上 |
| 颗粒直径
Paricle diamete | <3 | <4 | <4.5 | <5 | <6 | <7 |
- (3)必须安装随机配备的吸液口底部缓冲板结构滤网，防止超标颗粒吸入而损坏水泵和影响自吸功能。
- (4)输送浓硫酸时禁止用水作引流，防止造成人身和设备事故。
- (5)启动前必须检查水泵主轴是否灵活，用点动方式检查，运转方向与转向标记必须一致。
- (6)不可将吸、出液管道的重量支撑在水泵出液口法兰上，而应固定在支承架上(支架用户自备)。管道连接各部位必须紧密、不漏气，否则影响自吸功能和流量扬程。
- (7)排注有结晶或沉淀物质的液体时，如一段时间内停泵不用、应从“放空口”排尽泵腔内引流液，防止结晶或沉淀物滞留 泵腔内，二次启动时造成损坏。再次使用时按第(1)条重作“引流”。
- (8)排注无结晶、沉淀物介质，如长时间停泵再用，启动前。请从“引流口”检查引流液是否充足，如不足，请补足后才能 自吸。
- (9)输液时，流量、扬程(压力)、吸程三项指标，必须严格控制在选定型号所规定的范围。否则，将导致电机超电流波动而影 响正常运行。
- (10)如在低于地面的容池和容器中使用，请参考“安装、操作示意图”(一)。
- (11)如将水泵置于液面以下的环境中使用，请参考“安装、操作示意图”(二)。
- (12)如给高位槽或水塔供液时，请参考“安装、操作示意图”(三)。
- (13)排注产生气泡、比重大、扬程高和出液管路系统水柱静止压力大的介质时，为了加快排气速度，缩短自吸时间，请参考 “安装、操作示意图”(四)之提示B程序。
- (14)如在利用池水的消防系统中使用时，为了最大限度的缩短出水时间，请参考“安装、操作示意图”(五)。
- (15)替代管道泵和封闭式循环系统中使用时，请参考“安装、操作示意图”(二)。
- (16)“引流口”、“流口”、“空口”。“自吸排气装置”、“户外罩”均与安装尺寸和系统连接无关。“自吸排气装 置”只在垂直扬程高且出液管路系统水柱静止压力大的情况下启用，一般工艺环境则不需启用。
- (17)本泵是真空泵原理自吸。如设计使用在“对出液速度有绝对要求的环境中”,安装时不可扩大水泵的吸液管直径，否则 将影响吸液速度。(无“绝对速度要求”的环境除外)
- (3)the buffer plate structure filter screen at the bottom of the suction port must be installed randomly to prevent damage to the water pump and affect the self-priming function due to excessive particles inhalation.
- (4)When delivering concentrated sulfuric acid,do not use water as drainage to prevent accidents of people and equipment
- (5)before starting,the pump spirdle must be checked to see whether it is flexible.The operation direction must be consistent with the steering mark.
- (6)Do not support the weight of the suction and discharge pipe on the flange of the water pump outlet,but should be fixed on the support frame (supported by the user).Pipe connection parts must be tight,no air leakage,otherwise affect the self-priming function and flow head.
- (7)Discharge the liquid with crystallization or sediment,if the pump is not used within a period of time,drain the drainage fluid in the pump chamber from the "drain hole"to prevent crystallization or sediment in the pump chamber,resuling in damage during the second start.Repeat "drain"as per dause
- (1)when used again.
- (8)Discharge without crystallization,sediment medium,such as a long time to stop the pump for reuse,before starting.Please check whether the drainage fluid is suficient from the "drainage port".If not,please make up before self-imbibition.
- (9)During infusion,the three indexes of flow,head (pressure)and suction must be strictly controlled within the range specified in the selected model.Otherwise,it will lead to the motor overcurrent fluctuation and affect the normal operation.
- (10)Please refer to "schematic diagram of installation and operation"(1)if the container is used below ground level.
- (11)If the pump is used in an environment below the liquid level,please refer to the "installation and operation diagram"(2).
- (12)Please refer to "installation and operation diagram"(3)when supplying liquid to high tank or water tower.
- (13)In order to speed up the exhaust speed and shorten the self-imbibing time,please refer to the procedure B in "installation and operation diagram"(4)for the purpose of discharging the medium with bubbles,large specific weight,high head and large static pressure of the water column in the discharge pipeline system.
- (14)If in the use of pool water in the fire system,in order to minimize the water time,please refer to the “installation,operation diagram”(5).
- (15)Please refer to "schematic diagram of installation and operation"(i)when replacing pipeline pumps and closed-loop systems.

◎使用须知Notice for use

(16)"Drainage mouth","overflow mouth","discharge mouth"."Self-priming exhaust device"and "household hood"are independent of installation size and system connection."Self-priming exhaust device"is only enabled under the condition of high vertical head and high static pressure of water column in the discharge piping system,and is not required in the general process environment.

(17)The pump is vacuum pump self-priming principle.If the design is used in "the environment with absolute requirements on the output velocity",the suction pipe diameter of the water pump shall not be expanded during installation,otherwise the suction velocity will be affected. (except for environments without "absolute speed requirement")

(I)电动空气控制阀分 Electric air control valve part

(1)业电气工作，，以防电故。

(2)或后安装时，电必与水泵电机接线连接可靠。

(3)阀体的封漆部分，请勿随意拆动。维修人员在拆开之前，请注意定位标记，以便正确复位。

(4)和水泵连接的胶管两端，必须扎紧不漏气，否则影响自吸。

(5)每半年在导轴和导套内加一次缝纫机润滑油，实施时请参考“安装、操作示意图”(六)。

(6)“水泵部分”的(11)和(15)两种环境不宜配用本阀。

(1)Non-professional electrical workers,do not open the shield to prevent electric shock.

(2)When installing after renovation or maintenance,the cable must be connected reliably with the water pump motor terminal post

(3)The sealing paint part of the valve body,do not remove arbitrarily.Maintenance personnel before disassembling,please pay attention to the positioning mark,so that the correct reset.

(4)Both ends of the rubber hose connected with the water pump must be tightly tied without air leakage,otherwise it will affect self-priming.

(5)the lubricating oil of the sewing machine into the guide shaft and guide sleeve once every six months.Please refer to the "schematic diagram of installation and operation"(6).

(6)This valve is not suitable for pump part (11)and (15).

(三)自动控制装置分 Part of automatic control device

凡配套本机自控装置的用户，时行提供线路图。并注意以下项：

(1)业电气工作，门，以防电故。

(2)本装置为三相供电，电压380V, 频率50HZ。 必须在进线回路中加装断路保护等。

(3)电源接通后，请将“开电源关”按钮拨向“开位”，“电源指示”灯亮，装置即处于待命状态。

(4)确定运行方式请用“自动、停、手动”按钮选择。“手动启动”和“手动停止”钮只适用手动运行方式。自动方式将根据“上、下限液位传感器”定位自动运行。

(5)本装置分“挂壁”和“落地”两种安装方式，请见“安装、操作示意图”(七)。功率在30kW以下的，采用“挂壁式”直接启动；37-75kW 功率的采用“落地屏式”星三角减压启动；90kW以上功率的，须用“落地屏式”自藕减压启动。启动方式也可按用户需要确定。

(6)务必保护好传感器导线，防止人为损坏功能。

(7)调整水泵电机转向不应该改变装置内部的接线顺序；而应在电机接线盒内调换线头。

(8)设定传感器上，下限液位时，请参考“安装、操作示意图”(一)或(三)。

(9)在“防爆型”、“推车型”及“水泵部分”和(7)、(11)、(13)、(14)、(15)、条目等七种情况下，不宜配用本装置。 For the users who are equipped with the automatic control device,a circuit diagram will be provided.Please also note the following:

(1)Non-professional electrical workers,do not open the screen door,in case of electric shock accident.

(2)The device is a three-phase power supply with a voltage of 380V and a frequency of 50HZ.Circuit breaker protection must be installed in the incoming circuit.

(3)After the power is connected,please turn the "on power off"button to "on",and the "power indicator"light will be on,and the device will be in the standby state.

(4)To determine the operation mode,please use the "auto.Stop.Manual"button to select.The"manual start"and'manualstop"buttons are only suitable for manual operation.The automatic mode will operate automatically according to "upper and lower level sensors".

(5)This device is divided into "hanging wall"and "landing"two installation methods,please see "installation,operation diagram"(7).If the power is less than 30KW,"wall-mounted"is adopted to start directly;37-75kw power adopts "floor type"star triangulation decompression start; For power above 90KW,start with "floor-to -floor"lotus root decompression.Startup mode can also be determined according to user needs

(6)Be sure to protect the sensor wire to prevent human damage

(7)Adjusting the steering of the pump motor should not change the wiring sequence of the device;And should be replaced in the motor junction box.

(8)When seting the upper and lower levels of the sensor,please refer to the "installation and operation diagram"(1)or (3).

(9)This device is not suitable for use under seven condtions,such as "explosion-proof type","push type"and "water pump part",(7),(11),

(13),(14),(15),at @hzhydraulic.com Http : www.hzhydraulic.com