

 在使用本产品前请仔细阅读本手册，本将其放在设备附近以备将来参阅。
Before use, please read this manual carefully and be placed nearby to the equipment for future reference



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Shangcheng Pump and Valve
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WFB型无密封自控自吸泵

产品说明书 Product specification

SHANGHAI
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上海上诚泵阀制造有限公司
SHANGHAI SHANGCHENG PUMP AND VALVE MANUFACTURING CO.,LTD



公司简介 Brief Introduction

上海上诚泵阀制造有限公司是一家集科研、开发、生产、销售于一体的泵阀企业；公司拥有一支经验丰富、勇于实践、不断创新的高素质开发、科研队伍；其中高级工程师2名，研究、设计技术人员35名，生产技术制造人员68名，现有员工总数达298人；公司拥有国内外先进的电脑微机控制性能水泵测试台，使客户更安全、更有效、更放心地使用上诚产品。

公司全面采用 ISO9001：2000《质量管理体系要求》，并有效的实施；自创办以来始终把质量管理作为第一追求目标，发扬拼搏精神，争创一流的精神在泵阀行业中不断发展壮大。

公司主要生产经营各类水泵及配套蝶阀；产品畅销全国各地，广泛应用于石油、化工、电力、造纸、食品、制药、给排水工程等，深受各行业用户的一致好评，上诚秉着“以诚为本，以质取胜”的经营理念，诚心为您提供优质的品牌产品和完美的服务，竭诚欢迎社会各界惠顾合作。

Shanghai Shangcheng Pump and valve manufacturing Co.,Ltd. is an enterprise of Researching, developing, producing and selling; The company has an experienced team to develop high quality products, 2 senior engineers, 35 designing engineers, 68 technicians, which totally amounts to 298; The company has the domestic advanced automatical system to perform water pump test, which can make the customer to use our products safely, effective and easily.

The ISO 9001:2000 quality control system request "always be implemented effectively; since our company is opened, the quality control is always our first pursue goal and we are growing strong in the pump and valve industry.

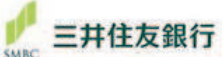
Our main products are pumps and matched valves, which are sold to the strongly all over of China; it can be widely applied to petroleum, chemical industry, electric power, papermaking, food, drugs manufacturing and so on. "Honesty oriented, quality comes first" is our management idea, which sincerely provides the high quality brand product and the consummation service for you.



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成功案例
Successful case

上海上诚泵阀自创办以来，一直专注于产品创新与开发，为了提高产品的档次，完善产品的售后服务，我们时刻与客户保持紧密的联系。我们本着诚信经营的原则，积极进取，勇于开拓，经过多年的努力拼搏。使上诚水泵的产品深受石油、化工、电力、造纸、环保、冶金、煤矿、食品、制药、给排水工程用户的一致好评。

 北京汇源饮料食品集团	 大连宜家家具	 丝宝集团	 福建闽东电力公司
 复旦大学附属中山医院	 金红叶纸业集团有限公司	 上海交通大学	 三井住友银行
 玖龙纸业（太仓）有限公司	 内蒙古霍林河铝业公司	 巨化集团公司制药厂	 上海隧道工程股份有限公司
 上海南汇自来水厂	 上海理工大学	 中粮粮油工业（巢湖）	 中国石化集团上海海洋石油局
 中国建设银行	 浙江大学	 浙江嘉化集团股份有限公司	 长庆油田装备有限公司
 新疆旺旺食品有限公司	 太仓阳鸿石化有限公司	 无锡华东可可食品有限公司	 中国核工业第二三建设公司

七、一般故障的排除办法 Fixing method of common breakdowns

(二) 自控装置部分 automatic controlling device parts

故障 Breakdown	故障原因 Breakdown cause	排除办法 Fixing method
自控状态水泵不能启动 Water pump can't start under automatic controlling conditions	- 某只传感器接触不良; - 传感器上、下限或上、下端安装颠倒; - 电机或保险丝已损坏; - 容池内无液, 传感器不作用。	- 恢复传感器良好接触; - 正确安装传感器, 请参考“安装、操作示意图”(一)或(三); - 修复电机或保险丝; - 检查池液情况。
水泵不能自动停车 Water pump can't automatically stop	- 某只传感器已损坏, 产生误动作; - 液体中有颗粒卡塞传感器浮球, 迫使其误动作	- 更换已损坏的传感器; - 冲洗传感器浮球, 使其恢复灵活。
自动与手动无法转换。 No transition between automatic & manual	某只按钮已损坏。 Certain button has been damaged	更换已损坏的按钮。 Change the damaged button
手动状态水泵不能启动 No transition between automatic & manual	- 手动按钮已损坏。 - 电机或保险丝已损坏。	- 更换已损坏的手动按钮; - 修复电机或保险丝。

一、概述 Summary

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、耐磨、“一次引流”“终身自吸”等多种功能。目前生产不锈钢、增强聚丙烯、铸钢、耐磨铸钢、铸铁等多种材质的系列整机, 五种不同造型共壹仟余种规格。在电子、电力、化工、钢铁、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, 深受用户好评。

独特的优点

1. 本厂采用“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”, 是替代原各种长轴液下泵、潜水泵、潜污泵等最理想的设备。
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。
3. 运用气水分离原理, 自吸性能稳定可靠, 特别是采用“电动空气控制阀”使引流液的虹吸现象得到了彻底的破坏, 真正实现了“一次引流, 终身自吸”。
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。
5. 具有优越的上、下水位自控报警等功能, 可与高科技领域和高度自动化系统配套使用。

不同造型的用途特点

长方形、圆锥型为您提供不同安装形式的选择余地; 防爆型适应于易燃、易爆环境; 户外型借助安全的立体户外罩, 在露天作业的情况下, 有效的防雨、防雾、防潮、防湿; 推车移动型可将水泵推移到您所需要的任何工位上作业。

WFB Series non-seal self-control automatic feed water pump is an original product which fills the gaps in China. This product has multiple functions such as temperature; pressure; wear resistance, "one-shot draft", "lifelong automatic feed" etc. At present it manufactures stainless steel, reinforced polypropylene, steel casting, anti-wear steel casting, iron casting etc multi-material series overall machines, five different models altogether over a thousand specifications. It is widely applicable in various industries such as electronics, power, chemicals, steel, pharmaceutical, food, electroplating, environmental protection, fire-fighting, municipal administration, water purification, national defence military project, textile dyeing, digging & mine-choosing, civil construction and so on. It is well-received by vast consumers.

Unique merit

1. This plant employs "pump purpose connecting ring style multi-aspect centrifugal seal device". It gets rid of traditional water pump filler seal, disk seal, mechanical seal. It completely brings under control "running, bubbling, dripping and leaking". It is an most ideal equipment to replace the former various prolapse axis immersible pump, submerged pump, sinking dirt pump and so on.

2. Seal device is of non-friction & wear during running process. Its use life is ten times longer than same kind products.

3. It utilizes gas-water separation principle with stable & reliable automatic feed performance. It thoroughly destructs the siphon phenomenon of draft liquid by esp. adopting "electric air control valve", thus genuinely fulfills "one-shot draft, lifelong automatic feed".

4. It is of small vibration, low noise, flexible moving, easy removal, convenient installation with no need for foundation fixation.

5. It has advantageous upper, lower water level automatic control warning etc functions. It may form a complete set for use in high-tech fields and highly automation system.

Usage & features for various models

Rectangle type and conical type offer you selective margin for various mounting forms. Anti-explosive type is suitable for flammable and explosive environments; outdoor type relies on safe stereoscopic outdoor cover which may effectively prevent from rain, fog, damp and wet under circumstances of open-air tasks. Pushing cart moving type brings water pump to any of your required work station for operation.

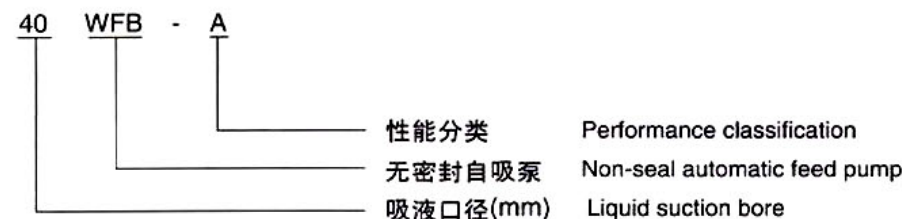
二、选型方法 Type-selecting method

(1)性能参数表中“类别代码”栏的1-5含义：1型为长方形，2型为圆锥型，3型为防爆型，4型为户外型，5型为推车移动型。“材质符号”栏中T、G、PP、BXG四组字母分别代表：铁、钢、耐磨钢(JM3、JM6)、增强聚丙烯、不锈钢(321、304、316、316L)四种材质。

(2)型号意义举例：

(1) Items No.1-No.5 meaning in "category code" column of performance parameter table: 1 is rectangle type; 2 is conical type; 3 is anti-explosive type; 4 is pushing cart moving type. T、G、PP、BXG four groups of letters in "material insignia" column respectively represents: iron, steel, wear-resistant steel (JM3、JM6)、reinforced polypropylene、stainless steel (321、304、316、316L) four kinds of materials.

(2) Type meaning examples:



(3)完善的型号书写方式。假设水泵的要求是：造型为推车移动型，材质为增强聚丙烯，吸液口径为40mm，性能分类为A。这台水泵的完整型号为“5PP40WFB-A”。

假设水泵造型是长方形防爆型，其它要求同上，这台水泵的完整型号应写为“1·3PP40WFB-A”。

假设水泵造型是圆锥型户外型，其它要求同上，这台水泵的完整型号应写为“2·4PP40WFB-A”。

(4)亚星水泵的法兰采用中华人民共和国国家标准制造。标准代号GB9115.2-88;非金属材料水泵的法兰压力0.6MPa;金属材料水泵的法兰压力1.0MPa。本厂水泵出厂时，进出液口各配一只反法兰。

(5)配套电机电压分为：380V、6000V、10000V/50Hz等，订货时由用户选择。

(3) Perfect type writing method. Suppose water pump requirements are: type is pushing cart moving type; material is reinforced polypropylene, liquid suction bore is 40mm, performance classification is A, the complete model of this water pump is "5PP40WFB-A".

Suppose water pump mould is rectangle & anti-explosive type, other requirements are the same as the above, the complete model of this water pump may be written as "1.3PP40WFB-A".

Suppose water pump mould is conical & outdoor type, other requirements are the same as the above, the complete model of this water pump may be written as "2.4PP40WFB-A".

(4) Asia Star water pump flange employs P. R. China national standard for its manufacture. Its standard code name is GB9115.2-88; non-metal material water pump flange pressure is 0.6Mpa; metal material water pump flange pressure is 1.0Mpa. When this plant's water pump leaves the factory, liquid inlet & outlet may respectively be matched with a counter-flange.

(5) The conveying motor voltage is divided into 380V, 6000V, 10000V/50Hz etc which are being chosen by consumers when placing orders.

三、性能参数表 Performance & parameter table

七、一般故障的排除办法 Fixing method of common breakdowns

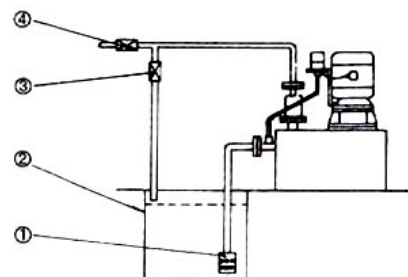
(一) 水泵部分 Water pump parts

故障 Breakdown	故障原因 Breakdown cause	排除办法 Fixing method
电机不转 No rotation of motor	1. 电机已损坏; 1. Motor has been damaged 2. 电源不通。 2. Non-close of mains	1. 修复或更换电机; 2. 检查接通电源。 1. Repair or change motor 2. Examine cut-in mains
水泵不出液 Non-release of water pump	1. 引流量不足; 2. 吸液端某只法兰、阀门或管路某处大量漏气; 3. 引流口或放空口拼帽不紧，或拼帽内没有垫圈; 4. 容器或液池内无液。 1. Insufficient draft volume 2. Large amounts of gas leakage in liquid-soaking end certain flange, valve or pipeline 3. Non-tight in draft opening or empty outlet split nut, or there is no gasket inside split nut 4. No liquid in container or liquid pool	逐一检查，针对排除。 Examine one by one, purposely fixing
流量、扬程(压力)不达标。 Flow, lift (pressure) not reach the standard	1. 电压过低，额定转速不到; 2. 电机反转; 3. 底部滤网堵塞，过流不足; 4. 吸液端某只法兰、阀门或某处管路慢性漏气，影响水泵真空度; 5. 器或液池内液量太少，时而吸进空气。 1. Over low voltage, insufficient rated rotating speed; 2. Motor reverse-rotation; 3. Bottom filter screen block-up, insufficient over-current; 4. Slow gas leakage in liquid-soaking end certain flange, valve or certain pipeline which influence water pump vacuum degree; 5. Too less liquid in container or liquid pool, sometimes suck in air.	逐一检查，针对排除。 Examine one by one, purposely fixing
电机与水泵连接部位渗漏。 Seepage in motor & pump connecting parts	1. 启动瞬间渗漏，正常运行后现象消失; 2. 运行时一直渗漏。(可能是密封装置已损坏，或实际扬程、压力与该水泵参数差异大。) 1. Starting instantaneous seepage, this phenomenon disappears after normal running; 2. All along seepage during running (perhaps seal device has been damaged, or there is overlarge difference between actual lift, pressure and this pump parameters.)	1. 引流液灌注过满，不属故障; 2. 检查密封装置是否损坏，重新计算实际工作压力是否超过该泵的规定参数，如密封装置已损坏，请考虑修理或更换。如压力参数差异过大，请考虑重新选型或调整实际工作压力。 1. Over-full draft liquid pour which does not belong to fault; 2. Examine whether seal device has been damaged, re-calculate if actual operating pressure exceeds this pump's stipulated parameter. If seal device has been damaged, please consider repairing or changing it. If pressure parameter difference is overlarge, please consider re-choosing the type or adjusting actual operating pressure

六、安装、操作示意图 Installation、operation conceptual diagram

图(四)排注产生气泡、比重大、扬程高的介质时的操作程序

Diagram (四) operating procedure for media creating bubble with large specific gravity and high lift during exhaust and pour)



提示A程序：(保养运行)

启泵程序：1、关闭④，2、开启③，3、启泵。

停泵程序：1、停泵，2、关闭③

提示B程序：(正常输液)

启泵程序：1、关闭④，2、开启③，3、启泵，4、待回流管正常出液后，先开启④，再关闭③。

停泵程序：1、停泵，2、关闭④。

Prompt A procedure: (maintenance & running)

Pump start procedure:

1. Valve shut ④ 2. Open ③ 3. Pump open

Pump stop procedure:

1. Pump stop 2. Shut ③

Prompt B procedure: (normal liquid conveyance)

Pump start procedure:

1. Valve shut ④ 2. Open ③ 3. Pump open

4. After reflux pipe normally releases the liquid, first open ④, then shut ③.

Pump stop procedure 1. Pump stop 2. Shut ④

①滤网 Filter screen

②容池 Container pool

③回流阀(本厂不提供)

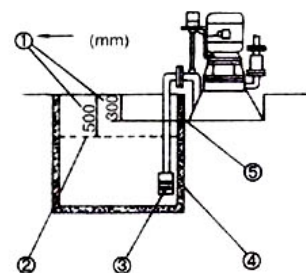
Reflux valve(not offered by this plant)

④出液控制阀(本厂不提供)

Liquid release control valve(not offered by this plant)

图(五)在利用池水的消防系统中使用(也供利用河水的消防系统参考)

Diagram (五) put in use by utilizing pool water fire-fighting system (also for reference of utilizing river fire-fighting system)



①绝对控制尺寸 Absolute control size

②液面 Liquid surface

③滤网 Filter screen

④消防水池 Fire-fighting pool

⑤溢流孔 Overflow hole

性能参数表 Performance & parameter table

类别代码 Category code	规格型号 Specification & Model	转 速 Rotating speed n r/min	流 量 Flow Q m³/h	总扬程 Total lift H M	配套功率 Conveying power KW	允许吸深 Allowed suction depth ≤M	吸液口径 Suction bore MM	出液口径 Release bore MM	整机重量 Weight kg
1-5	T.G.PP.BXG 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.BXG 32WFB-A	2900	4.5	13	1.5	3	32	25	99
			6.5	10.5					
			9	8					
1-5	T.G.PP.BXG 40WFB-A	2900	6.5	25	4	4	40	32	140
			8.5	23					
			10	21					
1-5	T.G.PP.BXG 40WFB-A ₁	2900	13.5	18	3	4	40	32	140
1-5	T.G.PP.BXG 40WFB-A ₂	2900	5	15	2.2	4	40	32	125
			8	13					
			10	11					
1-5	T.G.PP.BXG 40WFB-A ₃	2900	14	8	2.2	4	40	32	125
1-5	T.G.PP.BXG 50WFB-A	2900	7.5	28	5.5	5	50	40	205
			12.5	26					
			15	24.5					
1-5	T.G.PP.BXG 50WFB-A ₁	2900	10.5	20.5	3	5	50	40	170
1-5	T.G.PP.BXG 50WFB-AD	1450	5	11	1.5	4	50	40	149
			6.3	10					
			7.5	9					
1-5	T.G.PP.BXG 50WFB-AD ₁	1450	10	6	1.5	4	50	40	149
1-4	T.G.BXG 50WFB-B	2900	10	40	11	5	50	40	215
			11	38					
			15	35					
1-4	T.G.PP.BXG 50WFB-B ₁	2900	7	33	7.5	5	50	40	205
			12	31					
			15	29					
1-5	T.G.PP.BXG 50WFB-B ₂	2900	10	26.5	4	5	50	40	185
1-5	T.G.PP.BXG 50WFB-B ₃	2900	5	15	2.2	4	50	40	150
			6.4	14					
			7.5	12.5					
1-4	T.G.BXG 50WFB-C	2900	8.5	48	15	5	50	40	240
			12	46					
			15	44					
1-4	T.G.BXG 50WFB-C ₁	2900	10	46	7.5	5	50	40	215
			11	40					

性能参数表 Performance & parameter table

规格型号 Specification & Model			转速 Rotating speed n r/min	流量 Flow Q m³/h	总扬程 Total lift H M	配套功率 Conveying power KW	允许吸深 Allowed suction depth ≤M	吸液口径 Suction bore MM	出液口径 Release bore MM	整机重量 Weight kg
类别代码 Category code	材质代号 Material code	型号 Model								
1-5	T.G.PP.BXG	50WFB-CD	1450	5	19	3	4	50	40	170
				6	18					
				8	17					
1-4	T.G.BXG	50WFB-E	2900	7.5	82	22	5	50	40	260
				12	80					
				15	75					
1-4	T.G.BXG	50WFB-E ₁	2900	10	68	18.5	5	50	40	250
				11	62					
				12	55					
1-5	T.G.PP.BXG	50WFB-E ₂	2900	3.5	26	3	4	50	40	170
				6.3	25					
				7.5	24					
1-5	T.G.PP.BXG	65WFB-A	2900	15	27	7.5	4	65	50	260
				20	26					
				25	24					
1-5	T.G.PP.BXG	65WFB-A ₁	2900	21	20	5.5	4	65	50	260
1-5	T.G.PP.BXG	65WFB-AD	1450	7	12	3	4	65	50	200
				12	11					
				15	9					
1-4	T.G.BXG	65WFB-B	2900	15	41	11	5	65	50	270
				25	38					
				30	36					
1-5	T.G.PP.BXG	65WFB-BD	1450	10	16	4	5	65	50	230
				12	14					
				15	13					
1-4	T.G.BXG	65WFB-C	2900	15	58	18.5	5	65	50	280
				25	56					
				30	42					
1-4	T.G.BXG	65WFB-C ₁	2900	22	45	15	5	65	50	265
1-4	T.G.BXG	65WFB-E	2900	15	82	30	5	65	50	450
				25	80					
				30	78					
1-4	T.G.BXG	65WFB-E ₁	2900	20	64	18.5	5	65	50	340
				21	55					
				15	127					
1-4	T.G.BXG	65WFB-F	2900	25	125	45	5	65	50	485
				30	123					
				30	123					

六、安装、操作示意图 Installation、operation conceptual diagram

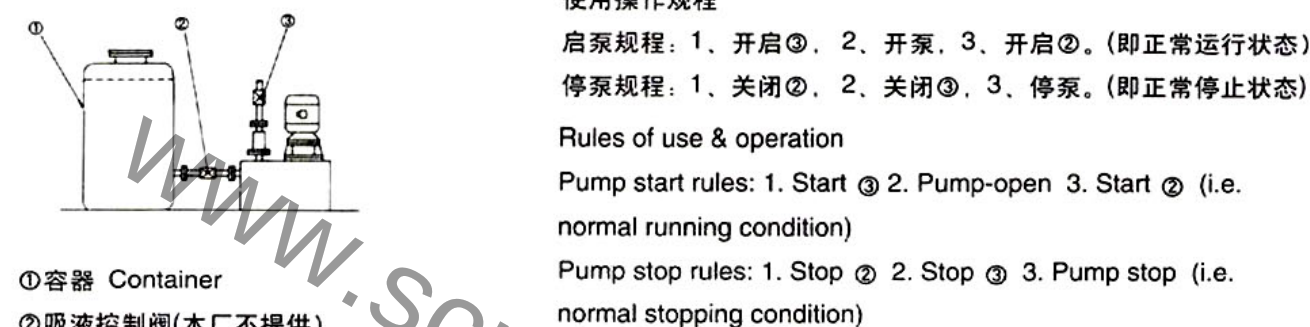
图(一)在低于地面的容池和容器中使用

Diagram (一) use in container pool and container under the ground



图(二)在液面以下和封闭式循环系统中使用

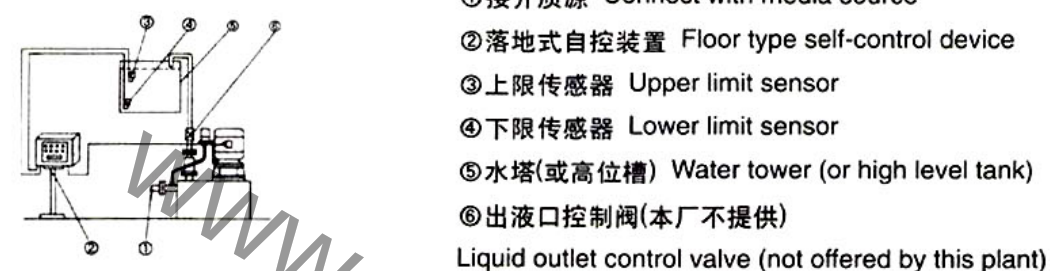
Diagram (二) for use under liquid surface and in enclosed cyclic system



①容器 Container
②吸液控制阀(本厂不提供)
Liquid soaking control valve (not offered by this plant)
③出液控制阀(本厂不提供)
Liquid releasing control valve (not offered by this plant)

图(三)给高位槽和水塔供液

Diagram (三) supply liquid for high level tank and water tower



说明: 如采用挂壁式自控和落地屏式自控, 传感器连接请参照②。

Description: If you employ wall type self-control and floor screen type self-control, for sensor connection, please refer to ②

(三) 自动控制装置部分 Automatic control device parts

凡配套本自控装置的用户，届时另行提供线路图。并请注意以下事项：

(1)非专业电气工作人员，请勿打开屏门，以防触电事故。

(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，本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”两种安装形式，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，采用“落地屏式”自耦减压启动。启动方式也可按用户需要确定。

本装置与其它系统无连接关系，恕不提供外形形状开关尺寸。

(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)

For consumers using this self-control device, at the appointed time, circuit diagram would be offered additionally. Please pay attention to the following notices:

(1) Non-professional electrical staff member should not open screen gate to avoid electroshock accidents.

(2) This device is three-phase alternative electricity with 380V voltage and 50Hz frequency. Broken circuit protection etc should be installed in coil-in loop.

(3) When power throws in, please stir "on·mains·off" button to "on", "power source light" is bright, this device is in order-awaiting conditions.

(4) For running method confirmation, please use "automatic·stop·manual" for selections. "manual start" and "manual stop" buttons are only suitable for manual running method. Automatic method will locate and automatically run according to "upper、lower limit liquid level sensor".

(5) This device is divided into "wall" and "floor" two mounting forms. Please refer to "installation & operation conceptual diagram" (七). With power under 30KW, please employ "wall type" for direct starting; power from 37KW to 75KW, please employ "floor screen type" star-delta reduced voltage starting; power above 90KW, please employ "floor screen type" auto coupling reduced voltage starting. Its starting method may be decided as per consumers' requirements.

This device has no connecting relations with other systems. Excuse us for not offering outer shape & size.

(6) Be sure to well-protect the sensor conductor and prevent from man-made function damages.

(7) The adjustment of water pump motor turning directions should not change inner device wire-connecting sequence. One should change burr inside motor terminal box.

(8) For setting sensor upper, lower limit liquid level, please refer to "installation & operation conceptual diagram"(一).

性能参数表 Performance & parameter table

类别代码 Category code	规格型号 Specification & Model	材质代号 Material code	型号 Model	转速 Rotating speed n r/min	流量 Flow Q m³/h	总扬程 Total lift H M	配套功率 Conveying power KW	允许吸深 Allowed suction depth ≤M	吸液口径 Suction bore MM	出液口径 Release bore MM	整机重量 Weight kg
1-4	T.G.BXG	65WFB-F ₁	2900		18	108	45	5	65	50	485
					21.5	95					
					23.5	85					
1-4	T.G.BXG	65WFB-F ₂	2900		7.5	38	7.5	5	65	50	270
					12.5	37					
					15	36					
1-4	T.G.BXG	65WFB-F ₃	2900		8	34	5.5	5	65	5	260
					9	30					
					10	26					
2-4	T.G.PP.BXG	80WFB-A	2900		30	28	11	6	80	65	380
					50	26					
					60	24					
					70	20					
2-4	T.G.PP.BXG	80WFB-AD	1450		16	11.5	4	6	80	64	305
					25	11					
					30	10.5					
					38	9					
2-4	T.G.BXG	80WFB-B	2900		40	40	15	6	80	65	395
					50	38					
					60	35					
					65	28					
2-4	T.G.PP.BXG	80WFB-BD	1450		15	15	5.5	6	80	65	340
					25	14					
					30	13					
					35	11					
2-4	T.G.BXG	80WFB-C	2900		30	59	22	6	80	65	460
					50	55					
					60	52					
2-4	T.G.BXG	80WFB-C ₁	2900		40	46	15	6	80	65	400
					45	38					
2-4	T.G.PP.BXG	80WFB-C ₂	2900		15	19	7.5	6	80	65	320
					25	18					
					30	17					
2-4	T.G.BXG	80WFB-CD	1450		21	14	5.5	6	80	65	340
					25	12					
2-4	T.G.PP.BXG	80WFB-E	2900		30	84	37	6	80	65	480
					50	80					

性能参数表 Performance & parameter table

规格型号 Specification & Model			转速 Rotating speed n r/min	流量 Flow Q m³/h	总扬程 Total lift H M	配套功率 Conveying power KW	允许吸深 Allowed suction depth ≤M	吸液口径 Suction bore MM	出液口径 Release bore MM	整机重量 Weight kg
类别代码 Category code	材质代号 Material code	型号 Model								
2-4	T.G.PP.BXG	80WFB-E	2900	60	76	37	6	80	65	480
2-4	T.G.BXG	80WFB-E ₁	2900	30 40	60 50	18.5	6	80	65	400
2-4	T.G.PP.BXG	80WFB-E ₂	2900	20 22	22 18	5.5	6	80	65	300
2-4	T.G.BXG	80WFB-F	2900	30 50 60	128 125 120	55	6	80	65	580
2-4	T.G.BXG	80WFB-F ₁	2900	26 30 40	103 95 80	45	6	80	65	530
2-4	T.G.BXG	80WFB-F ₂	2900	15 25 30	38 36 35	11	6	80	65	380
2-4	T.G.PP.BXG	100WFB-A	2900	60 100 110 120	30 26 22 20	18.5	6	100	80	560
2-4	T.G.PP.BXG	100WFB-AD	1450	30 40 50 60	12 11 10 9	7.5	6	100	80	450
2-4	T.G.BXG	100WFB-B	2900	60 80 100 120	40 36 32 28	22	6	100	80	580
2-4	T.G.PP.BXG	100WFB-BD	1450	30 40 50 68	15 14 13 11	11	6	100	80	520
2-4	T.G.BXG	100WFB-C	2900	45 80 100	55 48 45	37	6	100	80	630
2-4	T.G.BXG	100WFB-C ₁	2900	75 85	40 25	30	6	100	80	605
2-4	T.G.BXG	100WFB-C ₂	2900	40 50	20 19	11	6	100	80	520

(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”、“溢流口”、“放空口”、“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)

(10) If it is being used in container pool and container below the ground, please refer to "installation & operation conceptual diagram" (一).

(11) If use water pump in environments below liquid surface, please refer to "installation & operation conceptual diagram" (二).

(12) If supply liquid for high level tank or water tower, please refer to "installation & operation conceptual diagram" (三).

(13) For media which produces bubble with large specific gravity, high lift and large outlet pipeline system stationary pressure during exhaust and pour, in order to quicken exhaust speed, reduce automatic feed time, please refer to "installation & operation conceptual diagram" (四) prompt B procedure.

(14) When put in use by utilizing pool water fire-fighting system, in order to maximumly reduce release time, please refer to "installation & operation conceptual diagram" (五).

(15) When use it to replace for inline pump and enclosed cyclic system, please refer to "installation & operation conceptual diagram" (二).

(16) "Draft opening", "overflow opening", "empty outlet", "automatic feed exhaust device", "outdoor cover" have nothing to do with installation size and system connection. "Automatic feed exhaust device" is only used under circumstances of high vertical lift and large liquid release pipeline system water-column static pressure. It is unfit for common technological environments.

(17) This pump is vacuum pump principle automatic feed. If it is designed and used in "an environment with absolute requirements for liquid release speed", water pump's suction pipe diam. can't be expanded during installation, otherwise it will influence suction speed. (Except environments with non- "absolute speed requirements")

(二) 电动空气控制阀部分 electric air-controlled valve parts

(1)非专业电气工作人员,请勿打开护罩,以防触电事故。

(2)更新或维修后安装时,电缆务必与水泵电机接线柱连接可靠。

(3)“水泵部分”的(11)和(15)两种环境,不宜配用本阀。

(1) Non-professional electrical staff member should not open the cleading in order to avoid electroshock accidents.

(2) For mounting after renewal or maintenance, be sure to reliably connect cable with water pump motor binding post.

(3) (11) and (15) two kinds of environment in "water pump parts" are unfit for matching with this valve.

五、使用须知 Use notice

(一) 水泵部分 Water pump parts

(1) 安装完毕，从“引流口”灌满排注的介质，作“首次引流”，以后使用不必引流。请拧紧“引流口”拼帽，防止漏气而影响自吸。

(2) 适应颗粒指标(单位mm)

(1) After installation, fill the poured media from "draft opening" to be "initial draft", No need for draft in later usage. Please screw up "draft opening" split nut to prevent from air leakage which may influence automatic feed.

(2) Applicable granule index (mm)

吸液口直径 Suction mouth diam	50以下 Below 50	50-100	100-200	200-300	300-400	400以上 Above 400
颗粒直径 Granule diam	< 5	< 5-8	< 8-12	< 12-16	< 16-20	< 20-25

(3) 必须安装随机配备的滤网，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是否与转向标记一致。

(6) 不可将吸、出液管道的重量支承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”排泵腔内引流液，防止结晶和沉淀物滞留泵腔内，二次启动时造成损坏。再次使用时按第(1)条重作“引流”。

(8) 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内。否则，将导致电机超电流波动而影响正常运行。

(3) Filter screen should be installed along with the machine to prevent from sucking in standard-exceeding granules which may destruct water pump and influence automatic feed function.

(4) When delivering concentrated sulfuric acid, water is forbidden to be used as draft to prevent from causing personal & equipment accidents.

(5) Before starting, water pump spindle should be examined for its flexibility, examine by pointed motion ways to see if running directions coincides with turning marks.

(6) Don't bear the weight of liquid-soaking & releasing pipeline on water pump liquid outlet flange. It should be fixed on supporting frame which is self-reserved by consumers. Pipeline connecting parts should be tight with non-gas leakage. Otherwise it may influence automatic feed function and flow lift.

(7) When releasing and pouring liquid with crystal or sediment, if the pump has not been used for some time, draft liquid inside pump body should be exhausted from "empty outlet" to avoid crystal & sediment staying inside pump body and causing damage in twice start. Implement "draft" according to Item 1 in re-use.

(8) If the pump has been used for a long time, when re-use it, before starting, examine whether draft liquid is ample or not from "draft inlet". If it is insufficient, fill enough draft liquid for its automatic feeding.

(9) When conveying the liquid, flow, lift (pressure), suction head three items of index should strictly be controlled within selected type stipulated range. Otherwise, it will cause motor super-current to wave and influence its normal running.

性能参数表 Performance & parameter table

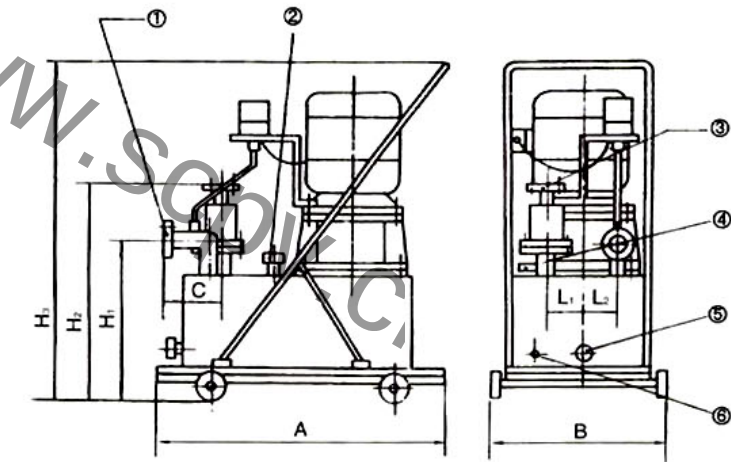
规格型号 Specification & Model			转速 Rotating speed n r/min	流量 Flow Q m³/h	总扬程 Total lift H M	配套功率 Conveying power KW	允许吸深 Allowed suction depth ≤M	吸液口径 Suction bore MM	出口口径 Release bore MM	整机重量 Weight kg
类别代码 Category code	材质代号 Material code	型号 Model								
2-4	T.G.BXG	100WFB-C ₂	2900	60	18	11	6	100	80	520
2-4	T.G.BXG	100WFB-C ₃	2900	40 45	16 15	7.5	6	100	80	500
2-4	T.G.BXG	100WFB-E	2900	60 80 100	87 80 75	55	6	100	80	720
2-4	T.G.TXG	100WFB-E ₁	2900	80 100	60 51	45	6	100	80	680
2-4	T.G.PP.BXG	100WFB-E ₂	2900	30 50 55	26 25 24	11	6	100	80	530
2-4	T.G.PP.BXG	100WFB-E ₃	2900	58 62	22 18	11	6	100	100	530
2-4	T.G.BXG	100WFB-F	2900	60 80 100	133 125 120	90	6	100	80	965
2-4	T.G.BXG	100WFB-F ₁	2900	80 90 100	108 90 80	75	6	100	80	820
2-4	T.G.BXG	100WFB-F ₂	2900	30 50 60	40 38 36	15	6	100	80	550
2-4	T.G.PP.BXG	100WFB-F ₃	2900	40 43 46	29 26 23	11	6	100	80	530
2-4	T.G.BXG	125WFB-A	2900	100 150 180	55 50 45	55	6	125	100	900
2-4	T.G.BXG	125WFB-A ₁	2900	170 185	40 30	45	6	125	125	860
2-4	T.G.PP.BXG	125WFB-A ₂	2900	70 80 100	20 19 17	15	6	128	100	720
2-4	T.G.BXG	125WFB-AD	2900	105 110	16 15	15	6	15	125	740
2-4	T.G.BXG	125WFB-B	2900	120 200	86 80	110	6	15	100	1150

性能参数表 Performance & parameter table

规格型号 Specification & Model			转速 Rotating speed n r/min	流量 Flow Q m³/h	总扬程 Total lift H M	配套功率 Conveying power KW	允许吸深 Allowed suction depth ≤M	吸液口径 Suction bore MM	出液口径 Release bore MM	整机重量 Weight kg
类别代码 Category code	材质代号 Material code	型号 Model								
2-4	T.G.BXG	125WFB-B	2900	240	72	110	6	125	100	1150
2-4	T.G.BXG	125WBF-B ₁	2900	150 170	65 60	75	6	125	100	1005
2-4	T.G.PP.BXG	125WFB-B ₂	2900	80 100 120	26 25 24	22	6	125	100	760
2-4	T.G.PP.BXG4	125WFB-B ₃	2900	85 90	22 20	18.5	6	125	100	730
2-4	T.G.BXG	125WFB-C	2900	160 180 200	132 125 120	160	6	125	100	1580
2-4	T.G.BXG	125WFB-C ₁	2900	180 190 208	108 93 80	110	6	125	100	1270
2-4	T.G.BXG	125WFB-C ₂	2900	80 100 120	40 38 36.5	30	6	125	100	790
2-4	T.G.PP.BXG	125WFB-C ₃	2900	92 85 80	23 26 29	18.5	6	125	100	750
2-4	T.G.BXG	125WFB-E	2900	70 90 110	52 50 48	37	6	125	100	820
2-4	T.G.BXG	125WFB-E ₁	2900	90 95	45 40	30	6	125	100	790
2-4	T.G.BXG	125WFB-E ₂	2900	85	36	22	6	125	100	770
2-4	T.G.BXG	150WFB-A	2900	120 185 200 240	28 26 23.5 22.5	30	6	150	125	990
2-4	T.G.BXG	150WFB-AD	2900	160	20	22	6	150	125	960
2-4	T.G.BXG	150WFB-B	2900	156 180 225	40 36 30	45	6	150	125	1060
2-4	T.G.BXG	150WFB-BD	1450	220 260	29 25	45	6	150	125	1080
2-4	T.G.BXG	150WFB-B ₁	2900	160	34	37	6	150	125	1020

5 型泵外形尺寸表 5 Type pump external size table

规格型号 Specification & model		安装尺寸 Mounting size (mm)				外形尺寸 External size (mm)		
类别代码 Category code	型号 Model	H ₁	H ₂	L ₁	L ₂	A	B	H ₃
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.CD	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



5型泵示意图(推车移动型)

5 circular pump conceptual diagram (Pushing-cart moving type)

- ①吸液口 suction mouth ②引流口 draft opening
③出液口(带带逆止阀, 本厂供)
liquid outlet(with back-pressure valve offered by this plant)
④自吸排气装置 automatic feed exhaust device
⑤放空口 empty outlet ⑥溢流口 overflow opening

2 型、3 型、4 型泵外形尺寸表 2、3、4 Type pump external size table

规格型号 Specification & model		安装尺寸 Mounting size (mm)				外形尺寸 External size (mm)	
类别代码 Category code	型号 Model	H ₁	H ₂	L ₁	L ₂	H	D
2	125WFB-A ₍₁₋₂₎	680	950	555	555	1505	808
2	125WFB-AD.E	490	735	395	395	1075	658
2	125WFB-B.C	740	1150	555	555	1950	1108
2	125WFB-B ₁	740	1150	555	555	1825	1008
2	125WFB-B ₍₂₋₃₎	680	950	555	555	1505	808
2	125WFB-C ₂ .C ₃	620	900	485	485	1250	708
2	150WFB-AD	520	755	505	505	1150	658
2	150WFB-B.BD.B ₁	620	900	555	555	1250	808
2	150WFB-BD ₁	680	950	555	555	1990	1008
2	150WFB-C	620	910	560	560	1510	908
2	150WFB-C ₁	620	900	560	560	1250	708
2	200WFB-AD ₍₁₋₂₎	720	1000	555	555	1505	908
2	200WFB-BD ₍₁₋₂₎	730	1000	560	560	2065	1008
2	200WFB-CD ₍₁₋₂₎	720	1000	555	555	2130	1108
2	250WFBAD ₍₁₋₃₎	740	1150	640	640	2065	1008
2	250WFB-BD ₍₁₋₃₎	750	1150	640	640	2130	1058
2	300WFB-AD.BD.CD	795	1205	665	665	2130	1108
2	350WFB-AD.BD.CD	795	1205	670	670	2215	1108
2	350WFB-ED	815	1230	690	690	2130	1108
2	400WFB-AD.BD.CD	825	1240	690	690	2215	1108
2	400WFB-ED	825	1230	690	690	2305	1108
2	450WFB-AD	905	1280	750	750	2508	1208
2	450WFB-AD ₁	905	1280	690	690	2215	1108
2	450WFB-BD.BD ₁	965	1280	720	720	2315	1188
2	600WFB-AD.BD	1205	1650	885	885	2325	1488
2	600WFB-CD	1205	1650	885	885	2325	1408
2	800WFB-AD	1685	2235	1050	1050	2530	1728
2	800WFB-BD	1685	2245	1050	1050	2580	1728
2	800WFB-CD	1685	2255	1050	1050	2665	1728

性能参数表 Performance & parameter table

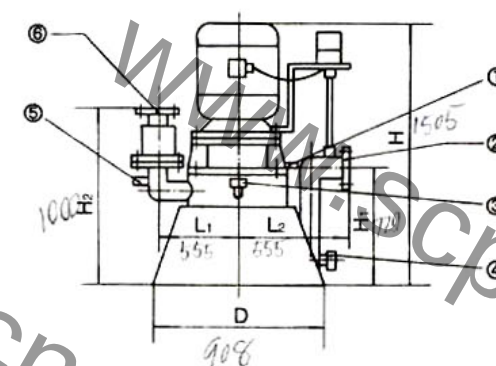
规格型号 Specification & Model			转 速 Rotating speed n r/min	流 量 Flow Q m ³ /h	总扬程 Total lift H M	配套功率 Conveying power KW	允许吸深 Allowed suction depth ≤M	吸液口径 Suction bore MM	出液口径 Release bore MM	整机重量 Weight kg
类别代码 Category code	材质代号 Material code	型 号 Model								
2-4	T.G.BXG	150WFB-B ₁	2900	180 195	29 26	37	6	150	125	1020
2-4	T.G.BXG	150WFB-BD ₁	1450	120 200 240	55 50 45	75	6	150	125	1205
2-4	T.G.BXG	150WFB-C	2900	180 190	45 38	55	6	150	125	1100
2-4	T.G.BXG	150WFB-C ₁	2900	165	36	37	6	150	125	1020
2-4	T.G.BXG	20WFB-AD	1450	250 400 450	26.5 25 23.5	55	6	200	150	1415
2-4	T.G.BXG	200WB-AD ₁	1450	360	22	45	6	200	150	1375
2-4	T.G.BXG	200WFB-AD ₂	1450	330	19	37	6	200	150	1335
2-4	T.G.BXG	200WFB-BD	1450	240 350 420	42 37 33.5	75	6	200	150	1520
2-4	T.G.BXG	200WFB-BD ₁	1450	340	28.5	55	6	200	150	1415
2-4	T.G.BXG	200WFB-BD ₂		310 380 450 520	25 18 13 10	45	6	200	150	1375
2-4	T.G.BXG	200WFB-CD	1450	280 380 420	55 50 45	110	6	200	150	1790
2-4	T.G.BXG	200WFB-CD ₁	1450	360	45	90	6	200	150	1660
2-4	T.G.BXG	200WFB-CD ₂	1450	330 350	40 36	75	6	200	150	1520
2-4	T.G.BXG	250WFB-AD	1450	300 380 500	26.5 25 23.5	55	6	250	200	1556
2-4	T.G.BXG	250WFB-AD ₁	1450	600 880	13 8	45	6	250	200	1450
2-4	T.G.BXG	250WFB-AD ₂	1450	340 400 450	35 33 31	75	6	250	200	1660
2-4	T.G.BXG	250WFB-AD ₃	1450	500 600	28.5 22.5	75	6	250	200	1660

性能参数表 Performance & parameter table

规格型号 Specification & Model			转速 Rotating speed n r/min	流量 Flow Q m³/h	总扬程 Total lift H M	配套功率 Conveying power KW	允许吸深 Allowed suction depth ≤M	吸液口径 Suction bore MM	出液口径 Release bore MM	整机重量 Weight kg
类别代码 Category code	材质代号 Material code	型号 Model								
2-4	T.G.BXG	250WFB-AD ₃	1450	720	18	75	6	250	200	1660
2-4	T.G.BXG	250WFB-BD	1450	350	45	90	6	250	200	1800
				380	40					
				450	37					
2-4	T.G.BXG	250WFB-BD ₁	1450	300	50	90	6	250	200	1800
				350	47					
				380	45					
2-4	T.G.BXG	250WFB-BD ₂	1450	200	57.5	90	6	250	200	1800
				260	55					
				290	52.5					
2-4	T.G.BXG	250WFB-BD ₃	1450	480	30	90	6	250	200	1800
				628	24.5					
				800	20					
2-4	T.G.BXG	300WFB-AD	1450	500	26.5	90	6	300	250	1880
				550	25					
				600	23.5					
2-4	T.G.BXG	300WFB-AD ₁	1450	400	42	90	6	300	250	1988
				420	35					
				460	33					
				500	31					
2-4	T.G.BXG	300WFB-AD ₂	1450	750	30	132	6	300	250	2058
				960	25					
				1255	18					
2-4	T.G.BXG	300WFB-AD ₃	1450	350	50	110	6	300	250	2280
				400	47.5					
				450	45					
2-4	T.G.BXG	300WFB-BD	1450	250	57.5	110	6	300	250	2280
				320	55					
				345	52.5					
2-4	T.G.BXG	300WFB-BD ₁	1450	678	55	200	6	300	250	2480
				780	47.5					
				900	30					
2-4	T.G.BXG	300WFB-BD ₂	1450	740	40	160	6	300	250	2388
				590	50					
				600	57					
2-4	T.G.BXG	300WFB-BD ₃	1450	750	45	185	6	300	250	2400
				850	40					

2 型、3 型、4 型示意图

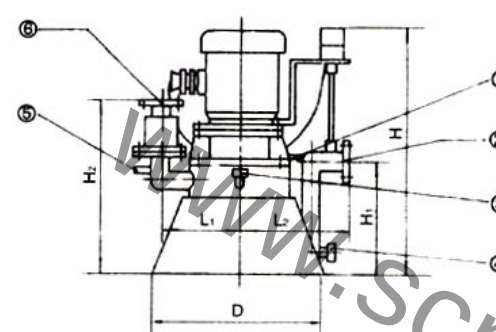
2、3、4 Type pump conceptual diagram



2型泵示意图(圆锥形)

2-Type pump conceptual diagram (conical type)

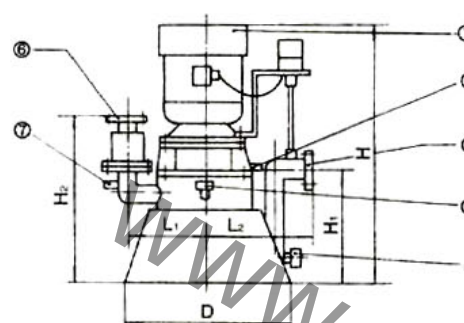
- ①溢流口 overflow opening ②吸液口 suction mouth
③引流口 draft opening ④放空口 empty outlet
⑤自吸排气装置 automatic feed exhaust device
⑥出液口(带逆止阀, 本厂供)
liquid outlet(with back-pressure valve offered by this plant)



3圆型泵示意图(防爆圆锥型)

3 circular pump conceptual diagram (anti-explosive conical type)

- ①溢流口 overflow opening ②吸液口 suction mouth
③引流口 draft opening ④放空口 empty outlet
⑤自吸排气装置 automatic feed exhaust device
⑥出液口(带逆止阀, 本厂供)
liquid outlet(with back-pressure valve offered by this plant)



4圆型泵示意图(户外圆锥型)

4 circular pump conceptual diagram (outdoor conical type)

- ①户外罩 outdoor cover ②溢流口 overflow opening
③吸液口 suction mouth ④引流口 draft opening
⑤放空口 empty outlet
⑥出液口(带逆止阀, 本厂供)
liquid outlet(with back-pressure valve offered by this plant)
⑦自吸排气装置 automatic feed exhaust device

2 型、3 型、4 型泵外形尺寸表 2、3、4 Type pump external size table

规格型号 Specification & model		安装尺寸 Mounting size (mm)				外形尺寸 External size (mm)	
类别代码 Category code	型号 Model	H ₁	H ₂	L ₁	L ₂	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-A ₁	365	560	290	340	900	530
2	65WFB-AD	370	570	290	340	880	530
2	65WFB-B.B ₁	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	965	540	640	1505	908
2	100WFB-F(1-3)	740	1150	580	640	1950	1108

性能参数表 Performance & parameter table

规格型号 Specification & Model			转速 Rotating speed n r/min	流量 Flow Q m³/h	总扬程 Total lift H M	配套功率 Conveying power KW	允许吸深 Allowed suction depth ≤M	吸液口径 Suction bore MM	出液口径 Release bore MM	整机重量 Weight kg
类别代码 Category code	材质代号 Material code	型号 Model								
2-4	T.G.BXG	300WFB-BD ₃	1450	978	35	185	6	300	250	2400
2-4	T.G.BXG	300WFB-CD	1450	860	42.5	200	6	300	250	2480
2-4	T.G.BXG	300WFB-CD ₁	1450	700	57.5	220	6	300	250	2508
				780	52					
				890	45					
2-4	T.G.BXG	350WFB-AD	1450	550	26.5	90	6	350	300	2500
				600	25					
				790	23.5					
2-4	T.G.BXG	350WFB-AD ₁	1450	580	35	145	6	350	300	2780
				690	33					
				820	31					
2-4	T.G.BXG	350WFB-AD ₂	1450	450	42.5	110	6	350	300	2630
				500	40					
				550	37.5					
2-4	T.G.BXG	350WFB-AD ₃	1450	500	50	145	6	350	300	2785
				535	47.5					
				590	45					
2-4	T.G.BXG	350WFB-BD	1450	306	57.5	110	6	350	300	2630
				356	55					
				400	52					
2-4	T.G.BXG	350WFB-BD ₁	1450	840	55	250	6	350	300	2785
				950	49					
				1200	40					
2-4	T.G.BXG	350WFB-BD ₂	1450	886	57.5	280	6	350	300	3088
				980	52.5					
				1186	45					
2-4	T.G.BXG	350WFB-BD ₃	1450	860	42	200	6	350	300	2508
				1050	35					
				1180	32					
2-4	T.G.BXG	350WFB-CD	1450	1200	35	220	6	350	300	2688
				1320	32					
				1156	40					
2-4	T.G.BXG	350WFB-CD ₁	1450	1280	35	250	6	350	300	2886
				1128	45					
				1050	50					
2-4	T.G.BXG	350WFB-CD ₂	1450	1000	57.5	315	6	350	300	3258
				1200	50					
				1000	50					

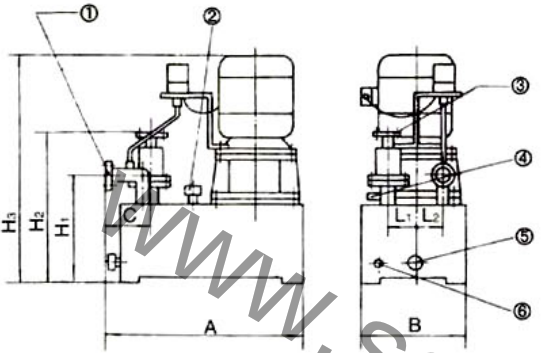
性能参数表 Performance & parameter table

规格型号 Specification & Model			转速	流量	总扬程	配套功率	允许吸深	吸液口径	出液口径	整机重量
类别代码	材质代号	型号	Rotating speed n r/min	Flow Q m³/h	Total lift H M	Conveying power KW	Allowed suction depth ≤M	Suction bore MM	Release bore MM	Weight kg
2-4	T.G.BXG	350WFB-ED	1450	900	30	160	6	350	300	2380
				1096	25					
2-4	T.G.BXG	350WFB-ED ₁	1450	1140	30	200	6	350	300	2600
				1370	25					
2-4	T.G.BXG	400WFB-AD	1450	1850	15	160	6	400	350	2860
				1520	18					
				1450	20					
2-4	T.G.BXG	400WFB-AD ₁	1450	1680	10	90	6	400	350	2150
2-4	T.G.BXG	400WFB-AD ₂	1450	1600	8	75	6	400	350	1800
2-4	T.G.BXG	400WFB-AD ₃	1450	2050	5	55	6	400	350	1750
2-4	T.G.BXG	400WFB-BD	1450	1700	20	185	6	400	350	2500
				2085	15					
2-4	T.G.BXG	400WFB-BD ₁	1450	1600	22.5	200	6	400	350	2650
				2000	18					
2-4	T.G.BXG	400WFB-BD ₂	1450	2226	20	250	6	400	350	2880
				1880	25					
2-4	T.G.BXG	400WFB-BD ₃	1450	1700	30	280	6	400	350	2980
				2506	20					
2-4	T.G.BXG	400WFB-CD	1450	2308	8	110	6	400	350	2650
2-4	T.G.BXG	400WFB-CD ₁	1450	1880	12	132	6	400	350	2750
2-4	T.G.BXG	400WFB-CD ₂	1450	2280	12	160	6	400	350	2860
2-4	T.G.BXG	400WFB-CD ₃	1450	1905	18	200	6	400	350	2850
2-4	T.G.BXG	450WFB-AD	1450	1650	35	315	6	450	400	3250
				2880	20					
2-4	T.G.BXG	450WFB-AD ₁	1450	2890	5	90	6	450	400	2650
2-4	T.G.BXG	450WFB-BD	1450	2825	8	132	6	450	400	2880
2-4	T.G.BXG	450WFB-BD ₁	1450	2825	12	200	6	450	400	2968
2-4	T.G.BXG	600WFB-AD	1450	3400	8	160	6	600	500	3080
2-4	T.G.BXG	600WFB-BD	1450	4280	8	200	6	600	500	3080
2-4	T.G.BXG	600WFB-CD	1450	4020	5	110	6	600	500	2850
2-4	T.G.BXG	800WFB-AD	1450	4520	5	132	6	800	600	3280
2-4	T.G.BXG	800WFB-BD	1450	5480	5	160	6	800	600	3385
2-4	T.G.BXG	800WFB-CD	1450	6850	5	200	6	800	600	3380

四、外形尺寸(安装尺寸)表 Outer dimension (installation size) table

1 型泵外形尺寸表 1 Type pump external size table

规格型号 Specification & model		安装尺寸 Mounting size (mm)				外形尺寸 External size (mm)		
类别代码 Category code	型号 Model	H ₁	H ₂	L ₁	L ₂	A	B	H ₃
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	82	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 ₍₁₋₃₎	375	605	120	115	780	480	995



- 1型泵示意图(长方型)
1 Type pump conceptual diagram (rectangle)
- ①吸液口 suction mouth ②引流口 draft opening
③出液口(带逆止阀, 本厂供)
liquid outlet(with back-pressure valve offered by this plant)
④自吸排气装置 automatic feed exhaust device
⑤放空口 empty outlet ⑥溢流口 overflow opening