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水工业流体技术和环保产业开发制造，
提供优质产品、技术和工程的全面系统解决方案。

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KaiCheng is committed to studying industrial fluid technology
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工业流体输送专家

Experts in Water industry liquid transportation



GW型管道排污泵、LW型无堵塞排污泵 GW/LW pipeline sewage pump

产品说明书 Product specification



GW型管道排污泵 GW pipeline sewage pump

概 述

SUMMARY OF PRODUCT

GW型管道排污泵是在引进国外先进技术的基础上，结合国内水泵的使用特点而研制成功的新一代泵类产品，水力模型等同采用WQ型排污泵。具有节能效果显著、防缠绕、无堵塞等特点。在排送固体颗粒和长纤维垃圾方面，具有独特效果。

GW pipeline sewage pump is a new generation pump product, which was based on the import of foreign advanced technology, and made successfully by integration of using characteristics of domestic water pump. hydraulic mode is the same as WQ sewage pump. It has the features of prominent energy saving, anti twine, no clogging and so on. This kind of pump is specially used in passing large particles and long fibre waste.

该系列泵采用独特叶轮结构和新型机械密封，能有效地输送含有固体物和长纤维，叶轮与传统叶轮相比，该泵叶轮采用单流道或双流道形式，它类似于一个截面大小相同的弯管，具有非常好的过流性，配以合理的蜗室，使得该泵具有效率高、叶轮经平衡试验，使泵在运行中无。

This type of pump adopts unique impeller structure and new type of mechanical sealing, which can transmit solid and long fibres effectively. Compared with traditional impeller, this impeller of pump adopt single or double pipeline, it is similar to a twist pipe with same size of sectional face, has good function of passing liquids, suitable spiral housing, the pump is high efficient product and passed the balance test, and it will not

该泵水力性能先进、成熟，产品经测试各项性能指标均达到有关标准规定，产品投放市场后以其独特的功效，可靠的性能，稳定的质量受到广大用户的欢迎和好评。

This type of pump has experienced and advanced hydraulic characteristics. Several kinds of functions of testing of this product have reach the relevant standards. The product that put in the market wins welcome and approval among wide users by its unique functions, stable features and superior quality.



性能特点

Characteristics of product

- 1、泵为立式单级单吸离心排污泵，进出口中心线在同一水平线上，进出口法兰相同，故安装拆卸十分方便，占地面积小，可像阀门一样安装于管路的任何位置上。

This pump is a single stage single suction centrifugal sewage pump, the center line of inlet and outlet is on the same level, inlet flange is the same as that of the outlet, so the installation and disassembly are very easy, with small land occupation, the valve can be fixed on any position of the pipeline.

- 2、泵与电机直联同轴，属机电一体化产品，结构紧凑，性能稳定。

The pump and motor is united by one shaft, is a product of mechanical and electrical integration, has advantages of compact structure, stable performance.

- 3、采用大流道抗堵塞水力部件设计大大提高污物通过能力，能有效通过泵5倍口径纤维物质和直径为泵口径约50%的固体颗粒。

This parts of pump adopt hydraulic design that anti clogging, large liquid pipe, which greatly improve the ability of passing waste, can transmit the fibres that 5 times of pump diameter and solid particles that about 50 percent of pump diameter.

- 4、设计合理，配套电机合理，效率高，节能效果显著。

Reasonable design, with matched and suitable motor, high efficient, prominent effect of energy saving.

- 5、机械密封采用硬质耐磨碳化钨，具有耐用，耐磨等特点，可以使泵安全连续运行8000小时以上。

The mechanical sealing adopts hard and anti wear material of tungsten carbide, has the function of durable, anti friction, which guarantee the pump operate more than 8000hours continuously.

- 6、水力性能先进，整机效率高，运转噪音低。

Advanced hydraulic performance, high efficiency, low noise when operation.

- 7、在电机风叶端加上防护罩，整机可置于室外工作，无需机房，可节省大量基建费用。

Add a protective cover to the motor fan, the pump can be placed outdoor when operation, no need of machine room, that saves a large number of infrastructure fees.

- 8、在使用扬程范围内使用，保证电机不过载。

Use the pump within the scope of head, make sure the motor not overload when operation.

GW型管道排污泵 GW pipeline sewage pump

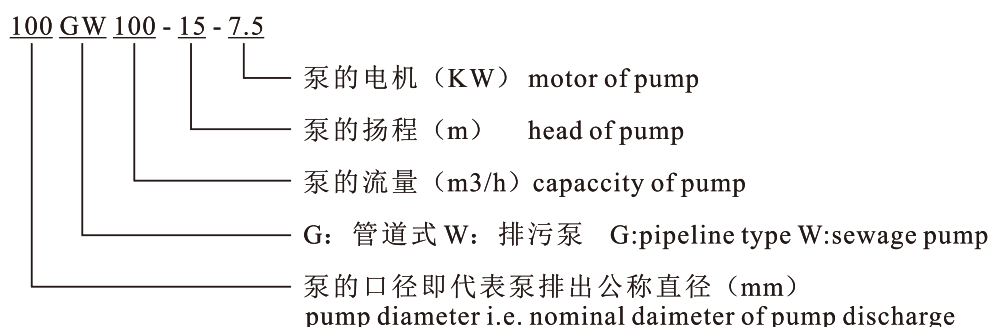
三、产品适用场合 Usage of product

- | | |
|--|--|
| 1、工厂严重污染废水的排放。
Serious polluted waster water of factories | 6、市政工程。建筑工地。
Municipal project , construction field |
| 2、城市污水处理厂排水系统。
drainage of urban sewage treatment plant | 7、勘探、矿山配套附机。
Exploration mining relevant machine |
| 3、商业住宅区的污水排水站。
Commercial and residential sewage drainage station | 8、农村沼气池农田灌溉。
Rural biogas pool and fermland irrigation |
| 4、人防系统排水站。
Drainage station of civil air system | 9、自来水管的给水装置。
Water supply device of running water plant |
| 5、医院、宾馆的污水排放。
Sewage discharge of hospitals and hotels | |

四、泵使用条件 Using conditions of pump

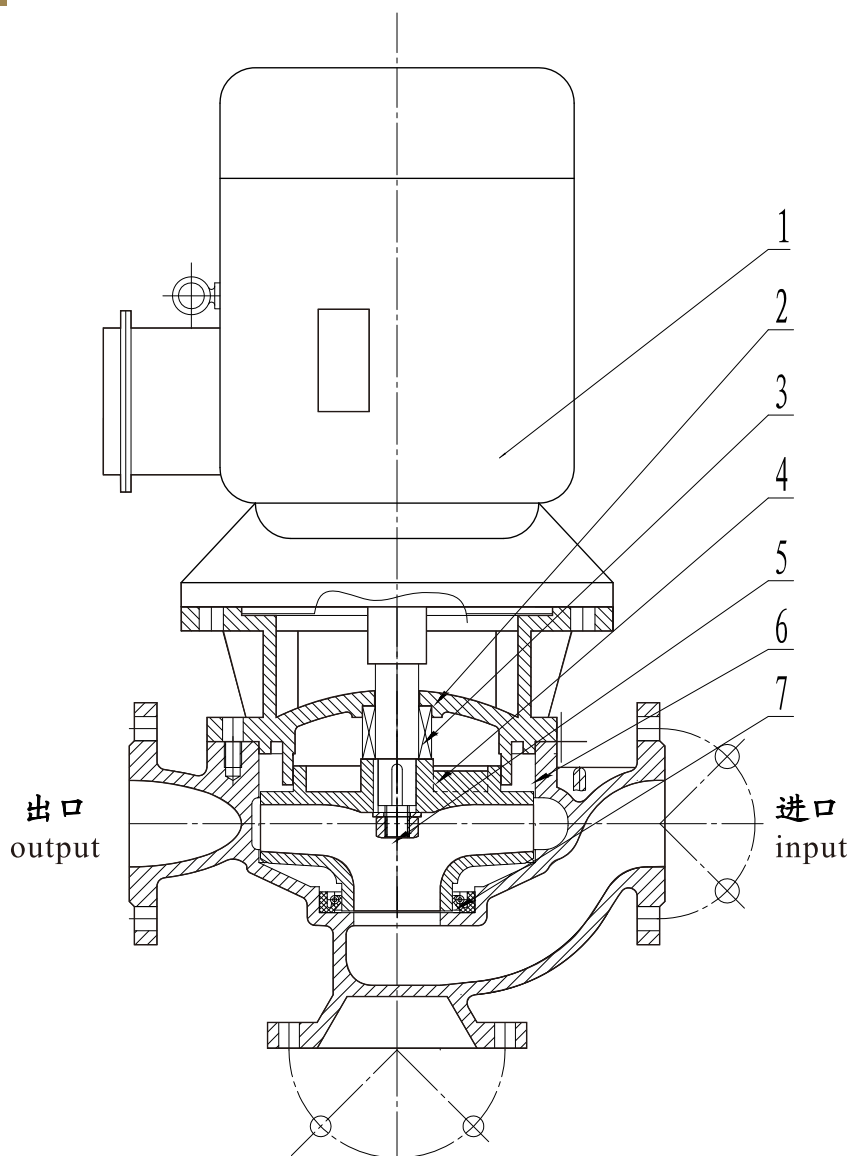
- 1、介质温度不超过60℃，重度为1.0~1.3KG/dm³,PH值在5~9范围内。
Medium temperature not exceed 60 celsius degree, weight scope is 1.0-1.3 kilogram/d m³, PH is within the scope of 6-9
- 2、泵和电机为整体机构，所以要求泵工作周围温度不得超过40℃，海拔高度不超过1000m，相对湿度不超过95%。
The pump and motor is integrated, so the pump working temperature will not exceed 40 celsius degree, altitude height wii not exceed 1000meters, relative humidity will not exceed 95 percentage.
- 3、一般情况下，泵必须在使用扬程范围内使用，保证电机不超载，如需在全扬程范围内使用，应在订货时另行注明，以便厂家制造。
In general, pump should be used within the scope of head, make sure the motor not overload, if the using condition will exceed the head scope, it should be marked, so the manufacturer can produce it as your order.
- 4、在运行过程泵电机电流不得超过电机的额定电流。
When the pump is in operation, the electric current of pump will not exceed that of the rated current

五、型号意义 Clarification of mode



GW型管道排污泵 GW pipeline sewage pump

GW产品结构图 The product structure



1. 电机 2. 电机法兰(泵盖) 3. 机封 4. 叶轮 5. 叶帽 6. 泵体 7. 油封
1.Motor 2.motor flange(pump cover) 3.mechanical seal 4.impeller 5.impeller nut
6.pump casing 7.oil seal

结构说明 Explanation of structure

GW型系列无堵塞单级管道排污泵系进出口在同一水平线上，且规格相同，立式结构，占地面积小，电机与泵同轴，设有安装底盘，便于安装稳固，叶轮采用单（双）流道，具有良好的通过性能。(配结构图)

GW type no clogging single stage pipeline sewage pump ,the inlet and outlet are on the same level, the specifications are the same, with vertical structure, samll land occupation, one shaft integrate the motor and pump, no fix of underpan, so as to install stably, singl or doubl pipeline of impellet has good ability of passing liquids.

GW型管道排污泵 GW pipeline sewage pump

GW性能参数表

The performance parameters

序号 ITEM NO.	型 号 TYPE	流量	扬程	功率	转速
		m ³ /h	m	kw	r/min
1	25-8-22-1.1	8	22	1.1	2900
2	32-12-15-1.1	12	15	1.1	2900
3	40-15-15-1.5	15	15	1.5	2900
4	40-15-30-2.2	15	30	2.2	2900
5	50-20-7-0.75	20	7	0.75	2900
6	50-10-10-0.75	10	10	0.75	2900
7	50-20-15-1.5	20	15	1.5	2900
8	50-15-25-2.2	15	25	2.2	2900
9	50-25-15-2.2	25	15	2.2	2900
10	50-18-30-3	18	30	3	2900
11	50-25-32-5.5	25	32	5.5	2900
12	50-20-40-7.5	20	40	7.5	2900
13	65-42-9-2.2	42	9	2.2	2900
14	65-25-15-2.2	25	15	2.2	2900
15	65-37-13-3	37	13	3	2900
16	65-27-15-3	27	15	3	2900
17	65-25-30-4	25	30	4	2900
18	65-30-40-7.5	30	40	7.5	2900
19	65-35-50-11	35	50	11	2900
20	65-35-60-15	35	60	15	2900
21	80-40-7-2.2	40	7	2.2	1450
22	80-50-10-3	50	10	3	2900
23	80-43-13-3	43	13	3	2900
24	80-40-15-4	40	15	4	2900
25	80-65-20-5.5	65	20	5.5	2900
26	80-65-25-7.5	65	25	7.5	2900
27	100-80-10-4	80	10	4	1450
28	100-110-10-5.5	110	10	5.5	1450
29	100-100-15-7.5	100	15	7.5	1450
30	100-80-20-7.5	80	20	7.5	1450
31	100-100-25-11	100	25	11	1450
32	100-100-30-15	100	30	15	1450
33	100-100-35-18.5	100	35	18.5	1450
34	125-130-15-11	130	15	11	1450
35	125-130-20-15	130	20	15	1450

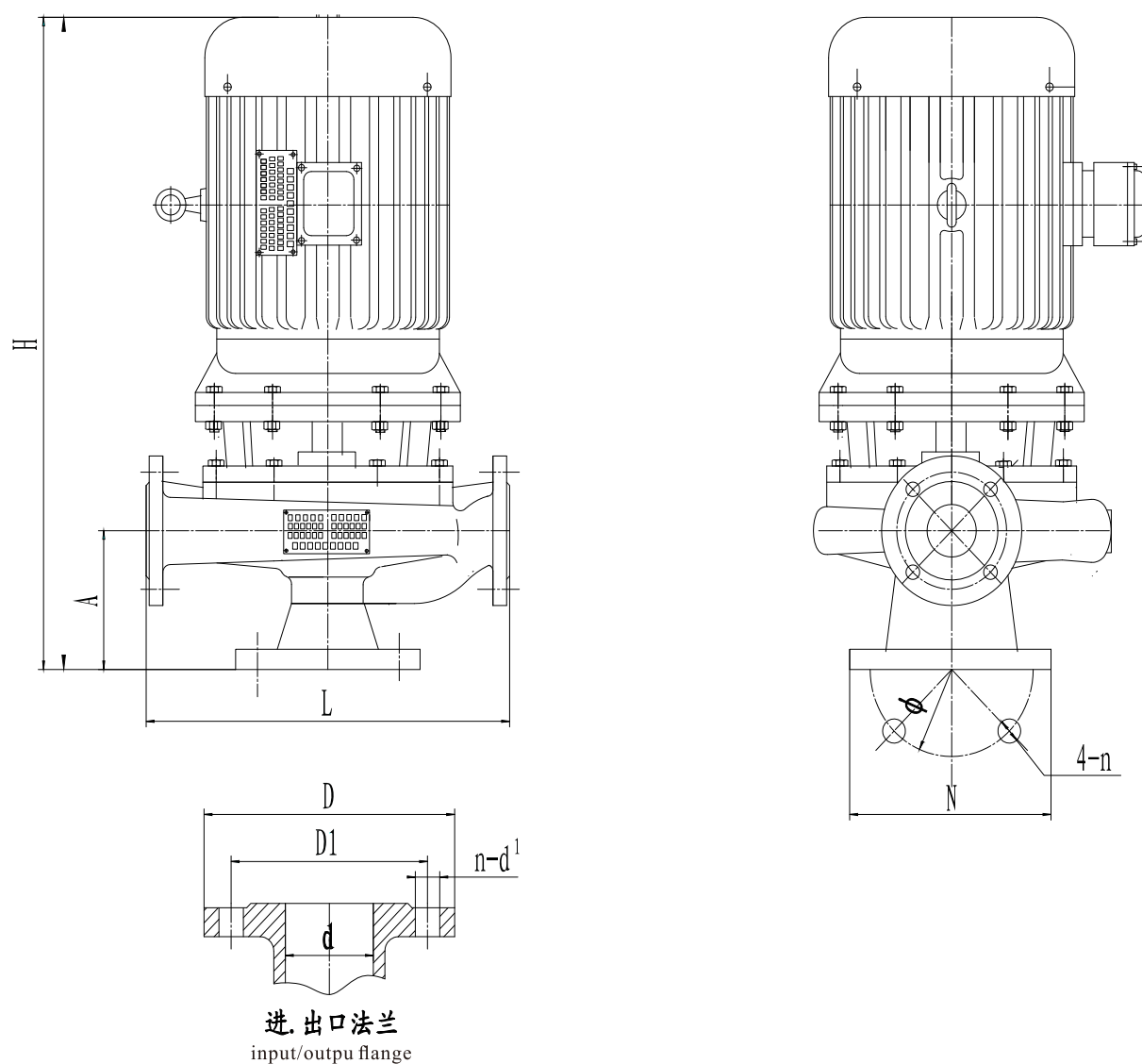
GW型管道排污泵 GW pipeline sewage pump
GW性能参数表

The performance parameters

序号 ITEM NO.	型 号 TYPE	流量	扬程	功率	转速
		m ³ /h	m	kw	r/min
36	150-145-9-7.5	145	9	7.5	1450
37	150-180-15-15	180	15	15	1450
38	150-180-20-18.5	180	20	18.5	1450
39	150-180-25-22	180	25	22	1450
40	150-130-30-22	130	30	22	1450
41	150-180-30-30	180	30	30	1450
42	150-200-30-37	200	30	37	1450
44	200-300-7-11	300	7	11	980
45	200-400-7-15	400	7	15	980
46	200-250-11-15	250	11	15	1450
47	200-250-15-18.5	250	15	18.5	1450
48	200-400-10-22	400	10	22	1450
49	200-300-15-22	300	15	22	1450
50	200-400-13-30	400	13	30	1450
51	200-250-22-30	250	22	30	1450
52	200-350-25-37	350	25	37	1450
53	200-400-25-45	400	25	45	1450
54	200-400-30-55	400	30	55	1450
55	250-600-9-30	600	9	30	980
56	250-600-12-37	600	12	37	1450
57	250-600-15-45	800	15	45	1450
58	250-600-20-55	600	20	55	1450
59	250-600-25-75	600	25	75	1450
60	300-800-12-45	800	12	45	980
61	300-500-15-45	500	15	45	980
62	300-800-15-55	800	15	55	980
63	300-600-20-55	600	20	55	980
64	300-800-20-75	800	20	75	980
65	300-950-20-90	950	20	90	980
66	300-1000-25-110	1000	25	110	1450
67	350-1100-10-55	1100	10	55	980
68	350-1300-12-75	1300	12	75	980
69	350-1500-15-90	1500	15	90	980
70	350-1200-18-90	1200	18	90	980
71	350-1100-28-132	1100	28	132	980

GW型管道排污泵 GW pipeline sewage pump

GW安装尺寸 Installation dimensions



Note:

For GW Pipeline Sewage Pump installation dimension, we will provide accurate installation dimension tables according to customers' requirements.

GW型管道排污泵 GW pipeline sewage pump

GW泵的安装系统 Installation system of pump

1. 泵和管路应有各自支承件，不得将管路重量作用于泵上。
Pump and pipeline should have their own supporting parts, should not put the whole weight of pipeline on the pump.
2. 排出管路如装逆止阀应装在闸阀的外面。
If there's need of installation of non-return valve for discharge pipeline, it should be fixed outside the gate valve.
3. 为了方便维修和使用安全，在泵的进出口管路上各安装一只调节阀及在泵出口附近安装一只压力表以保证泵在额定扬程和流量范围内正常运行，提高水泵的使用寿命。
To install conveniently and for the safety of use, control valves should be fixed on the inlet and outlet pipeline separately, a pressure gauge will be installed near the pump outlet, so as to make sure the pump operates within the scope of head and capacity, the pump works regularly, which will extend the service life of pump.
4. 安装泵时必须拧紧地脚螺栓，以免启动时振动对泵性能的影响。
The anchor bolt should be screwed up before the installation of pump, in case of vibration of the pump.
5. 输送高温液体时为使泵不受管路热变形影响，泵座底脚螺栓不应固定，当管路系统发生热胀冷缩时，使泵能与管路一起移动。
To avoid the deformation of the pump when passing high temperature liquids, the anchor bolt should not be fixed, so the pump can be moved with the pipeline according to the condition of expansion when heated and contraction when cooled.
6. 泵进出口连接法兰按4216-84标准设计，管路法兰应配以相同规定。
The flange installed on the inlet and outlet pump shall according to the standard design of 4216-84, pipeline flange should also install according to this standard.
7. 泵安装后拨动泵轴，叶轮应无摩擦声或卡死现象，否则应将泵拆开检查维修。
Stir the pump shaft after installed the pump, there should not have noise of friction and jam, or the pump shall be dismantled and maintained.
8. 安装前应检查水泵和电机的紧固情况和有无损伤。

GW泵使用方法及注意事项 Using method and attentions of matters

1. 泵使用前应仔细检查紧固件是否松动或脱落，泵在运输、存放、安装过程中有无变形或损坏。
Check the fastening before installation of pump, if there is loosen or drop of fastening and if there is deformation or damage to the pump in transmitting preservation or installation.
2. 泵启动后，旋转方向从进水口看为逆时针转动，如果电泵反转，只需将电缆线中的任何二相线对调一下接线位置即可。
After the start of pump, the rolling direction is anti clock from the water inlet pipe. If the pump rolls in opposite direction, you just need to change any wire between two phase.
3. 不得将电泵长期处于低扬程状态下运行（一般情况下使用扬程不得低于额定扬程的60%），最好能控制在建议使用扬程范围内，以防水泵因超载而烧坏电机。
The electric pump shall not operate for long time in the low head condition (in general, the using head shall not lower than 60 percentage of rated head), it had better to be controlled within the scope of head, in case of burning down of motor because of overload.
4. 泵不应在汽蚀工况下运行，以提高泵的使用寿命，严禁水泵缺液运行，否则极易烧损机械密封件。
The pump should not work in the cavitation condition, so as to extend the service life of pump, the pump should't operate without liquids, or the mechanical sealing will burn down easily.
5. 如泵的零件为铸铁制成时，在冬季露天安装时，应注意防止击破，温度特别低时，应加以保温。
While the parts of pump are made of iron cast, the pump shall be cared, in case of fragile when installed outside in winter, if the temperature is especially low, we should take measures to keep warm of pump.

GW泵维护保养 Maintenance

1. 电泵应有专人管理与使用，并定期检查绝缘电阻是否正常。
The electricity of pump shall be managed and used by designated person, and insulation should be checked regularly.
2. 叶轮和泵体之间的密封环具有密封功能，如密封环损坏将直接影响泵的性能，必须及时更换。
The sealing between pump and impeller has the function of sealing, if the sealing was damaged, it will effect the performance of pump directly.
3. 水泵如长时间不用时，应将水泵的液体放干，以便热胀冷缩损坏水泵内部件。
If the pump shall not work for long time, you should discharge all the liquids in the pump, in case of damage to the pump parts because of expand with heat and contract with cold.

GW型管道排污泵 GW pipeline sewage pump
GW泵常见故障分析及其排场方法 Common breakdown analysis and solutions

故障现象 Break down	原因分析 analysis	排除方法 solution of elimination
流量不足或不出水	1. 叶轮旋转错误 wrong direction of rolling of impeller 2. 阀门是否打开和完好 whether the valve is opened and intact 3. 管道叶轮被堵 impeller pipeline is blocked 4. 扬程过高 too high head 5. 抽送介质密度较大 higher density of transmitting medium 6. 密封圈损坏 damage of sealing gasket	1. 调节叶轮旋转方向 adjust the direction of rolling of impeller 2. 检查、维修、排除 check , maintenance, elimination 3. 清理杂物 clean up the waste 4. 改泵或降低扬程 change the pump or lower the head 5. 用水冲稀降低浓度 reduce the density by water 6. 更换 change
运行不稳定 unstable operation	1. 叶轮不平衡 unbalance impeller 2. 轴承损坏 damage to the pump shaft	1. 送制造厂调换或校正 sent to manufacturer to change or adjust 2. 更换 change
泵不能启动 unable to start	1. 缺相 Losting phase 2. 叶轮卡住 Block of impeller 3. 定子绕组烧坏 burnout of stator winding	1. 检查电器及电路，进行修复 check the electricity or wires, then repair 2. 排除杂物 eliminate the waste 3. 修理、更换绕组 repair and change the winding
电流过大 high current	1. 工作电压低 low working voltage 2. 管道、叶轮被堵 pipeline and impeller is jammed 3. 抽送液体的密度或粘度较高 high density and voscosity of liquid 4. 使用扬程过低 too low head	1. 调整工作电压 adjust the voltage 2. 清理管道、叶轮堵物 clean up the pipeline and impeller 3. 改变密度或粘度 change the density and viscosity 4. 减少流量，提高扬程 reduce the capacity, improve the head
压力不足 Insufficient pressure	1. 机械密封损坏或泄漏 damage or leakage of mechanical sealing 2. 电缆线破损 damage of cable wires 3. 密封环磨损或损坏 damage of gasket ring	1. 更换 Replacement 2. 更换 Replacement 3. 更换 Replacement

LW型无堵塞排污泵 LW pipeline sewage pump**概 述**

SUMMARY OF PRODUCT

LW型管道排污泵是在引进国外先进技术的基础上，结合国内水泵的使用特点而研制成功的新一代泵类产品，水力模型等同采用WQ型排污泵。具有节能效果显著、防缠绕、无堵塞等特点。在排送固体颗粒和长纤维垃圾方面，具有独特效果。

LW pipeline sewage pump is a new generation pump product, which was based on the import of foreign advanced technology, and made successfully by integration of using characteristics of domestic water pump. hydraulic mode is the same as WQ sewage pump. It has the features of prominent energy saving, anti twine, no clogging and so on. This kind of pump is specially used in passing large particles and long fibre waste.

该系列泵采用独特叶轮结构和新型机械密封，能有效地输送含有固体物和长纤维，叶轮与传统叶轮相比，该泵叶轮采用单流道或双流道形式，它类似于一截面大小相同的弯管，具有非常好的过流性，配以合理的蜗室，使得该泵具有效率高、叶轮经平衡试验，使泵在运行中无。

This type of pump adopts unique impeller structure and new type of mechanical sealing, which can transmit solid and long fibres effectively. Compared with traditional impeller, this impeller of pump adopt single or double pipeline, it is similar to a twist pipe with same size of sectional face, has good function of passing liquids, suitable spiral housing, the pump is high efficient product and passed the balance test, and it will not

该泵水力性能先进、成熟，产品经测试各项性能指标均达到有关标准规定，产品投放市场后以其独特的功效，可靠的性能，稳定的质量受到广大用户的欢迎和好评。

This type of pump has experienced and advanced hydraulic characteristics. Several kinds of functions of testing of this product have reach the relevant standards. The product that put in the market wins welcome and approval among wide users by its unique functions, stable features and superior quality.

**性能特点**

Characteristics of product

1. 采用大流量抗堵塞水力部件设计，大大提高污物通过能力，能有效地通过泵口径的5倍纤维物质和直径为泵口径约50%的固体颗粒。

This parts of pump adopt hydraulic design that anti clogging, large liquid pipe, which greatly improve the ability of passing waste, can transmit the fibres that 5 times of pump diameter and solid particles that about 50 percent of pump diameter.

2. 设计合理，配套电机合理，效率高，节能效果显著。

Reasonable design, with matched and suitable motor, high efficient, prominent effect of energy saving.

3. 机械密封采用单端面机封，材质为硬质耐磨碳化钨，具有耐用，耐磨等特点，可以使泵安全连续运行8000小时以上。

The mechanical sealing adopts hard and anti wear material of tungsten carbide, has the function of durable, anti friction, which guarantee the pump operate more than 8000hours continuously.

4. LW(I)型泵与电机直联同轴，属机电一体化产品，结构紧凑，性能稳定。

The pump and motor is united by one shaft, is a product of mechanical and electrical integration, has advantages of compact structure, stable performance.

5. 水力性能先进，整机效率高，运转噪音低。

Advanced hydraulic performance, high efficiency, low noise when operation.

6. 在电机风叶端加上防护罩，整机可置于室外工作，无需机房，可节省大量基建费用。

Add a protective cover to the motor fan, the pump can be placed outdoor when operation, no need of machine room, that saves a large number of infrastructure fees.

7. 泵与电机为整机结构，故安装时无需校正。

the pump and motor are united structure, no need to adjust when installed.

LW型无堵塞排污泵 LW pipeline sewage pump

产品使用场合

Usage of product

- | | |
|--|--|
| 1、工厂严重污染废水的排放。
Serious polluted waster water of factories | 6、市政工程。建筑工地。
Municipal project , construction field |
| 2、城市污水处理厂排水系统。
drainage of urban sewage treatment plant | 7、勘探、矿山配套附机。
Exploration mining relevant machine |
| 3、商业住宅区的污水排水站。
Commercial and residential sewage drainage station | 8、农村沼气池农田灌溉。
Rural biogas pool and fermland irrigation |
| 4、人防系统排水站。
Drainage station of civil air system | 9、自来水管的给水装置。
Water supply device of running water plant |
| 5、医院、宾馆的污水排放。
Sewage discharge of hospitals and hotels | |

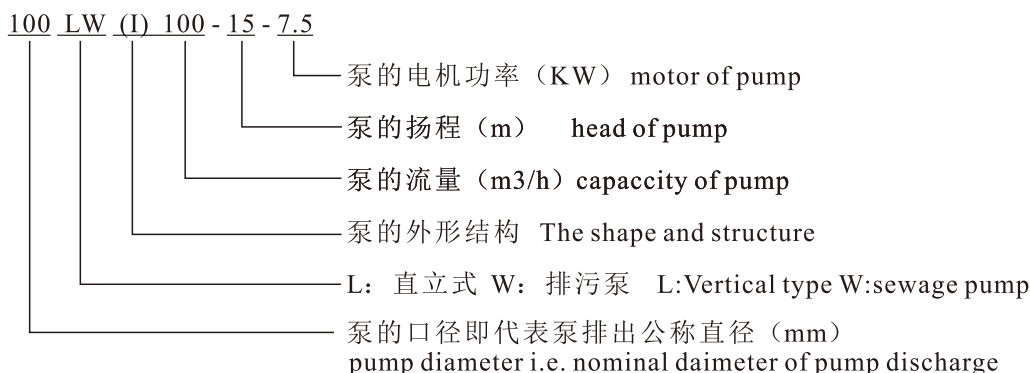
泵使用条件

Using conditions of pump

- 1、介质温度不超过60℃，重度为1.0~1.3KG/dm³,PH值在5~9范围内。
Medium temperature not exceed 60 celsius degree, weight scope is 1.0-1.3 kilogram/d m³, PH is within the scope of 6-9
- 2、泵和电机为整体机构，所以要求泵工作周围温度不得超过40℃，海拔高度不超过1000m，相对湿度不超过95%。
The pump and motor is integrated, so the pump working temperature will not exceed 40 celsius degree, altitude height wii not exceed 1000meters, relative humidity will not exceed 95 percentage.
- 3、一般情况下，泵必须在使用扬程范围内使用，保证电机不超载，如需在全扬程范围内使用，应在订货时另行注明，以便厂家制造。
In general, pump should be used within the scope of head, make sure the motor not overload, if the using condition will exceed the head scope, it should be marked, so the manufacturer can produce it as your order.
- 4、在运行过程泵电机电流不得超过电机的额定电流。
When the pump is in operation, the electric current of pump will not exceed that of the rated current

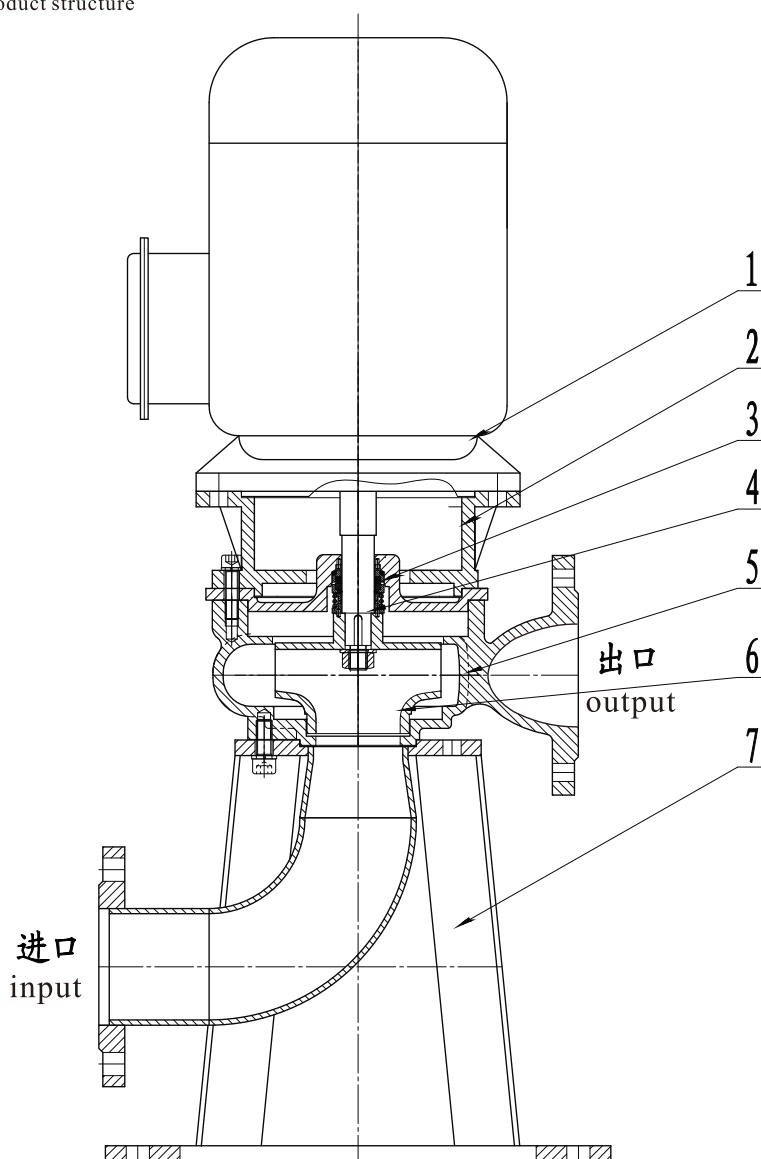
五、型号意义

Clarification of mode



LW型无堵塞排污泵 LW pipeline sewage pump

LW产品结构图 The product structure



1. 电机 2. 电机法兰 3. 机封 4. 泵盖 5. 泵体 6. 叶轮 7. 支架
1.motor 2.motor flange 3.mechanical seal 4.pump cover 5.pump casing
6.impeller 7.support

结构说明 Explanation of structure

LW型系类立式无堵塞排污泵为单吸蜗壳式泵，泵内装有无堵塞防缠绕型单（双）大流量叶轮，具有很好的通过能力。

LW vertical no clogging sewage pump is single stage volute pump, there is anti-twine single or double high capacity impeller, which has good transmitting ability.

该系列泵具有两种结构形式，一是电机与泵直联同轴，二是采用联轴器联接，电机采用标准立式电机。其结构图如下，每种结构形式具有两种底座连接形式，一是进口水平吸入，具有转角功能，可根据使用要求，进出口安放角可成0°、90°、180°、° 270°，便于管路连接，二是进口轴向吸入，便于立式安装。

This series pump has two structure mode, one is a shaft integrate the pump and motor, the other is use the coupler to integrate the motor, which adopts vertical standard motor,.the structure picture is as below, any one structure mode has two pump cases to unite ,one is horizontal inlet suction, has several angles to choose according to your needs, that is 0°、90°、180°、° 270°,which is convenient for connection of pipeline, the other is axial inlet suction , which is suitable for vertical installaion.

LW型无堵塞排污泵 LW pipeline sewage pump
LW性能参数表

The performance parameters

序号 ITEM NO.	型 号 TYPE	流量	扬程	功率	转速
		m ³ /h	m	kw	r/min
1	25-8-22-1.1	8	22	1.1	2900
2	32-12-15-1.1	12	15	1.1	2900
3	40-15-15-1.5	15	15	1.5	2900
4	40-15-30-2.2	15	30	2.2	2900
5	50-20-7-0.75	20	7	0.75	2900
6	50-10-10-0.75	10	10	0.75	2900
7	50-20-15-1.5	20	15	1.5	2900
8	50-15-25-2.2	15	25	2.2	2900
9	50-25-15-2.2	25	15	2.2	2900
10	50-18-30-3	18	30	3	2900
11	50-25-32-5.5	25	32	5.5	2900
12	50-20-40-7.5	20	40	7.5	2900
13	65-42-9-2.2	42	9	2.2	2900
14	65-25-15-2.2	25	15	2.2	2900
15	65-37-13-3	37	13	3	2900
16	65-27-15-3	27	15	3	2900
17	65-25-30-4	25	30	4	2900
18	65-30-40-7.5	30	40	7.5	2900
19	65-35-50-11	35	50	11	2900
20	65-35-60-15	35	60	15	2900
21	80-40-7-2.2	40	7	2.2	1450
22	80-50-10-3	50	10	3	2900
23	80-43-13-3	43	13	3	2900
24	80-40-15-4	40	15	4	2900
25	80-65-20-5.5	65	20	5.5	2900
26	80-65-25-7.5	65	25	7.5	2900
27	100-80-10-4	80	10	4	1450
28	100-110-10-5.5	110	10	5.5	1450
29	100-100-15-7.5	100	15	7.5	1450
30	100-80-20-7.5	80	20	7.5	1450
31	100-100-25-11	100	25	11	1450
32	100-100-30-15	100	30	15	1450
33	100-100-35-18.5	100	35	18.5	1450
34	125-130-15-11	130	15	11	1450
35	125-130-20-15	130	20	15	1450

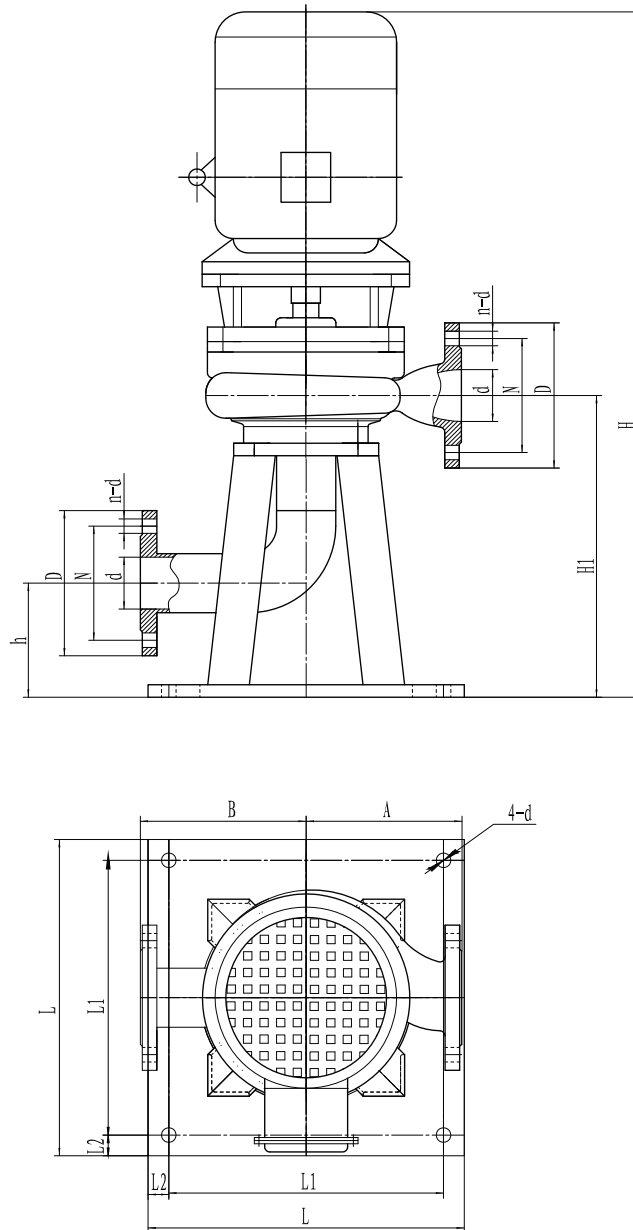
LW型无堵塞排污泵 LW pipeline sewage pump
LW性能参数表

The performance parameters

序号 ITEM NO.	型 号 TYPE	流量	扬程	功率	转速
		m ³ /h	m	kw	r/min
36	150-145-9-7.5	145	9	7.5	1450
37	150-180-15-15	180	15	15	1450
38	150-180-20-18.5	180	20	18.5	1450
39	150-180-25-22	180	25	22	1450
40	150-130-30-22	130	30	22	1450
41	150-180-30-30	180	30	30	1450
42	150-200-30-37	200	30	37	1450
44	200-300-7-11	300	7	11	980
45	200-400-7-15	400	7	15	980
46	200-250-11-15	250	11	15	1450
47	200-250-15-18.5	250	15	18.5	1450
48	200-400-10-22	400	10	22	1450
49	200-300-15-22	300	15	22	1450
50	200-400-13-30	400	13	30	1450
51	200-250-22-30	250	22	30	1450
52	200-350-25-37	350	25	37	1450
53	200-400-25-45	400	25	45	1450
54	200-400-30-55	400	30	55	1450
55	250-600-9-30	600	9	30	980
56	250-600-12-37	600	12	37	1450
57	250-600-15-45	800	15	45	1450
58	250-600-20-55	600	20	55	1450
59	250-600-25-75	600	25	75	1450
60	300-800-12-45	800	12	45	980
61	300-500-15-45	500	15	45	980
62	300-800-15-55	800	15	55	980
63	300-600-20-55	600	20	55	980
64	300-800-20-75	800	20	75	980
65	300-950-20-90	950	20	90	980
66	300-1000-25-110	1000	25	110	1450
67	350-1100-10-55	1100	10	55	980
68	350-1300-12-75	1300	12	75	980
69	350-1500-15-90	1500	15	90	980
70	350-1200-18-90	1200	18	90	980
71	350-1100-28-132	1100	28	132	980

LW型无堵塞排污泵 LW pipeline sewage pump

LW安装尺寸 Installation dimensions



Note:

For LW Non-clogging Sewage Pump installation dimension, we will provide accurate installation dimension tables according to customers' requirements.

LW型无堵塞排污泵 LW pipeline sewage pump

LW泵的安装系统 Installation system of pump

- 1.泵和管路应有各自支承件，不得将管路重量作用于泵上。
Pump and pipeline should have their own supporting parts, should not put the whole weight of pipeline on the pump.
- 2.排出管路如装逆止阀应装在闸阀的外面。
If there is need of installation of non-return valve for discharge pipeline, it should be fixed outside the gate valve.
- 3.为了维修方便和使用安全，在泵的进出口管路上各安装一只调节阀及在泵出口附近安装一只压力表以保证泵在额定扬程和流量范围内运行，确保泵的正常运行，提高水泵的使用寿命。
To install conveniently and for the safety of use, control valves should be fixed on the inlet and outlet pipeline separately, a pressure gauge will be installed near the pump outlet, so as to make sure the pump operates within the scope of head and capacity, the pump works regularly, which will extend the service life of pump.
- 4.安装泵时必须拧紧地脚螺栓，以免启动时振动对泵性能的影响。
The anchor bolt should be screwed up before the installation of pump, in case of vibration of the pump.
- 5.当输送高温液体时为了不使泵承受管路的热变形，泵座的底脚螺栓不应固定，当管路系统在热胀冷缩时，使泵能与管路一起移动。
To avoid the deformation of the pump when passing high temperature liquids, the anchor bolt should not be fixed, so the pump can be moved with the pipeline according to the condition of expansion when heated and contraction when cooled.

LW泵使用方法及注意事项 Using method and attentions of matters

- 1.泵使用前应仔细检查紧固件是否松动或脱落，泵在运输、存放、安装过程中有无变形或损坏。
Check the fastening before installation of pump, if there is loosen or drop of fastening and if there is deformation or damage to the pump in transmitting preservation or installation.
- 2.泵启动后，旋转方向从进水口看为逆时针转动，如电泵反转，只需将电缆线中任何二相线对调接线位置即可。
After the start of pump, the rolling direction is anti clock from the water inlet pipe. If the pump rolls in opposite direction, you just need to change any wire between two phase.
- 3.不得将电泵长期处于低扬程状态下运行（一般情况下使用扬程不得低于额定扬程的60%），最好能控制在建议使用扬程范围以内，以防水泵因超载而烧坏电机。
The electric pump shall not operate for long time in the low head condition (in general, the using head shall not lower than 60 percentage of rated head), it had better to be controlled within the scope of head, in case of burning down of motor because of overload.
- 4.泵不应在汽蚀工况下运行，以提高泵的使用寿命，严禁水泵缺液运行，否则极易烧损机械密封件。
The pump should not work in the cavitation condition, so as to extend the service life of pump, the pump shouldn't operate without liquids, or the mechanical sealing will burn down easily.
- 5.如泵的零件为铸铁制成时，在冬季露天安装时，应注意防止击破，温度特别低时，应加以保温。
While the parts of pump are made of iron cast, the pump shall be cared, in case of fragile when installed outside in winter, if the temperature is especially low, we should take measures to keep warm of pump.

LW泵维护保养 Maintenance

- 1.电泵应有专人管理与使用，并定期检查绝缘电阻是否正常。
The electricity of pump shall be managed and used by designated person, and insulation should be checked regularly.
- 2.叶轮和泵体之间的密封环具有密封功能，如密封环损坏将直接影响泵的性能，必须及时更换。
The sealing between pump and impeller has the function of sealing, if the sealing was damaged, it will effect the performance of pump directly.
- 3.水泵如长时间不用时，应将水泵的液体放干，以便热胀冷缩损坏水泵内部件。
If the pump shall not work for long time, you should discharge all the liquids in the pump, in case of damage to the pump parts because of expansion with heat and contraction with cold.

LW型无堵塞排污泵 LW pipeline sewage pump
LW泵常见故障分析及其排场方法 Common breakdown analysis and solutions

故障现象 Break down	原因分析 analysis	排除方法 solution of elimination
流量不足或不出水	1. 叶轮旋转错误 wrong direction of rolling of impeller 2. 阀门是否打开和完好 whether the valve is opened and intact 3. 管道叶轮被堵 impeller pipeline is blocked 4. 扬程过高 too high head 5. 抽送介质密度较大 higher density of transmitting medium 6. 密封圈损坏 damage of sealing gasket	1. 调节叶轮旋转方向 adjust the direction of rolling of impeller 2. 检查、维修、排除 check , maintenance, elimination 3. 清理杂物 clean up the waste 4. 改泵或降低扬程 change the pump or lower the head 5. 用水冲稀降低浓度 reduce the density by water 6. 更换 change
运行不稳定 unstable operation	1. 叶轮不平衡 unbalance impeller 2. 轴承损坏 damage to the pump shaft	1. 送制造厂调换或校正 sent to manufacturer to change or adjust 2. 更换 change
泵不能启动 unable to start	1. 缺相 Losting phase 2. 叶轮卡住 Block of impeller 3. 定子绕组烧坏 burnout of stator winding	1. 检查电器及电路，进行修复 check the electricity or wires, then repair 2. 排除杂物 eliminate the waste 3. 修理、更换绕组 repair and change the winding
电流过大 high current	1. 工作电压低 low working voltage 2. 管道、叶轮被堵 pipeline and impeller is jammed 3. 抽送液体的密度或粘度较高 high density and voscosity of liquid 4. 使用扬程过低 too low head	1. 调整工作电压 adjust the voltage 2. 清理管道、叶轮堵物 clean up the pipeline and impeller 3. 改变密度或粘度 change the density and viscosity 4. 减少流量，提高扬程 reduce the capacity, improve the head
压力不足 Insufficient pressure	1. 机械密封损坏或泄漏 damage or leakage of mechanical sealing 2. 电缆线破损 damage of cable wires 3. 密封环磨损或损坏 damage of gasket ring	1. 更换 Replacement 2. 更换 Replacement 3. 更换 Replacement

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