

自吸泵

Self-Priming Pump



Series
ZFT 氟塑料自吸磁力泵

ZFT Fluorine Plastic Self-priming
Magnetic Pump



Series
FZB 氟塑料自吸离心泵

FZB Fluorine Plastic Self-priming
Centrifugal Pump



Series
TMC-Z 不锈钢自吸磁力泵

TMC-Z Stainless Steel Self-priming
Magnetic Pump



Series
ZCQ 不锈钢自吸磁力泵

ZCQ Stainless Steel Self-priming
Magnetic Pump



Series
IHZ 不锈钢自吸离心泵

IHZ Stainless Steel Self-priming
Centrifugal Pump



Series
ZX 自吸泵

ZX Self-priming pump

辰禹（重庆）流体设备有限公司

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自吸泵分为氟塑料自吸泵和金属自吸泵

Self-priming pumps are classified into fluoroplastic self-priming pumps and metal self-priming pumps.

氟塑料自吸泵两大类 Two major categories of fluoroplastic self-priming pumps

- ZFT 系列氟塑料自吸磁力泵，零泄漏，高效率。
- ZFT series fluoroplastic self-priming magnetic pumps feature zero leakage and high efficiency.
- FZB 系列氟塑料自吸离心泵分长支架 FZB-L 及短支架 FZB-D 两种类型。
- The FZB series fluoroplastic self-priming centrifugal pump is available in two types: long bracket FZB-L and short bracket FZB-D.

金属自吸泵四大类 Four Major Categories of Metal Self-priming Pumps

- TMC-Z 系列和 ZCQ 系列为不锈钢自吸磁力泵。
- The TMC-Z series and ZCQ series are stainless steel self-priming magnetic pumps.
- IHZ 系列和 ZX 系列为卧式自吸离心泵，储液室大，吸力强。
- The IHZ series and ZX series are horizontal self-priming centrifugal pumps featuring large liquid storage chambers and strong suction capacity.

一、ZFT 氟塑料自吸磁力泵 ZFT Fluoroplastic Self-priming Magnetic Pump

1、用途 Application

低位水池吸水、罐车原料装卸有短时间空运转的工况、气液混合介质。适合各种酸、碱、盐、有机溶剂的各行业清液类腐蚀介质输送。

The system features low-level water tank suction, short-term idle operation during tanker material loading/unloading, and gas-liquid mixed media. It is suitable for transporting corrosive liquids such as acids, alkalis, salts, and organic solvents across various industries.

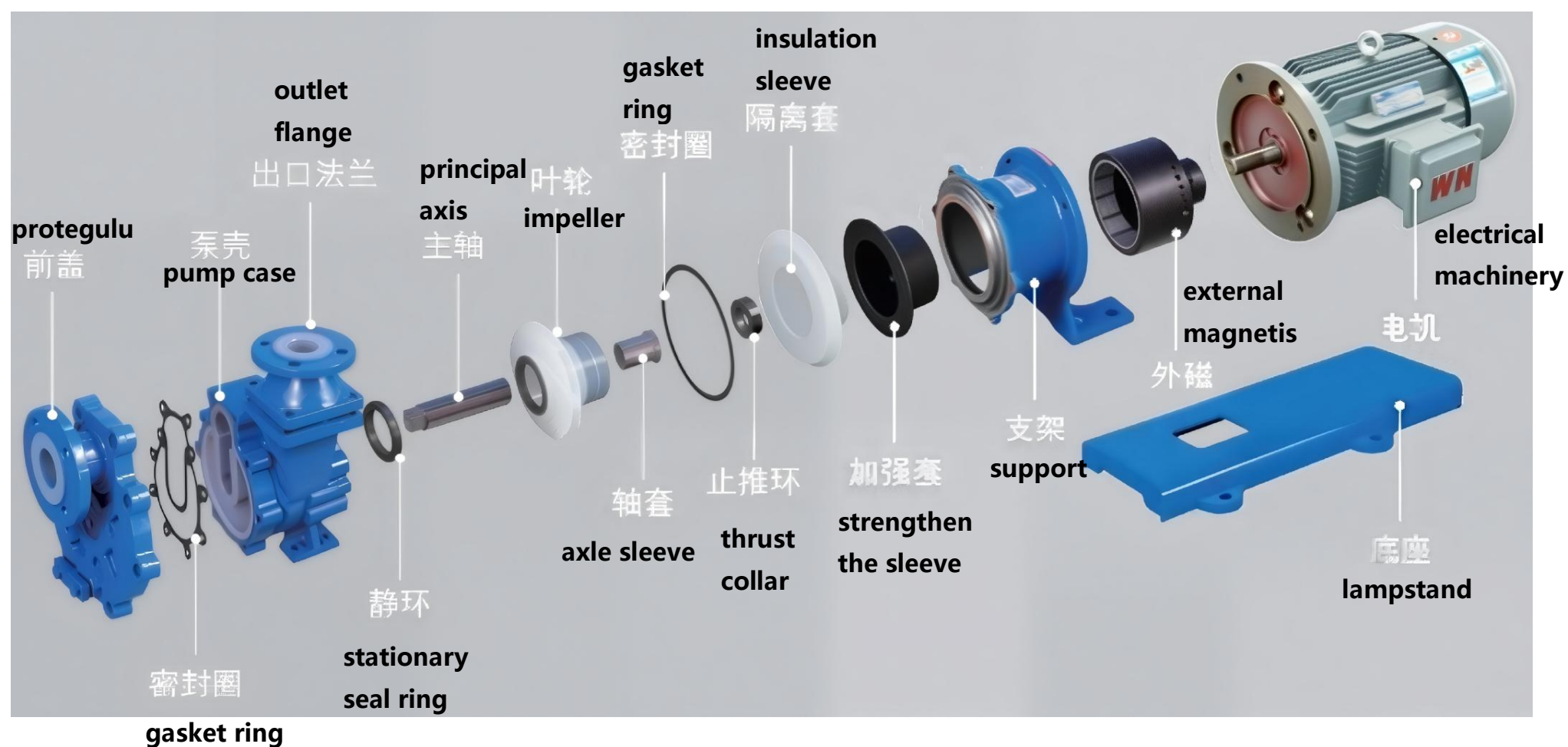


2、设计特点 Design feature

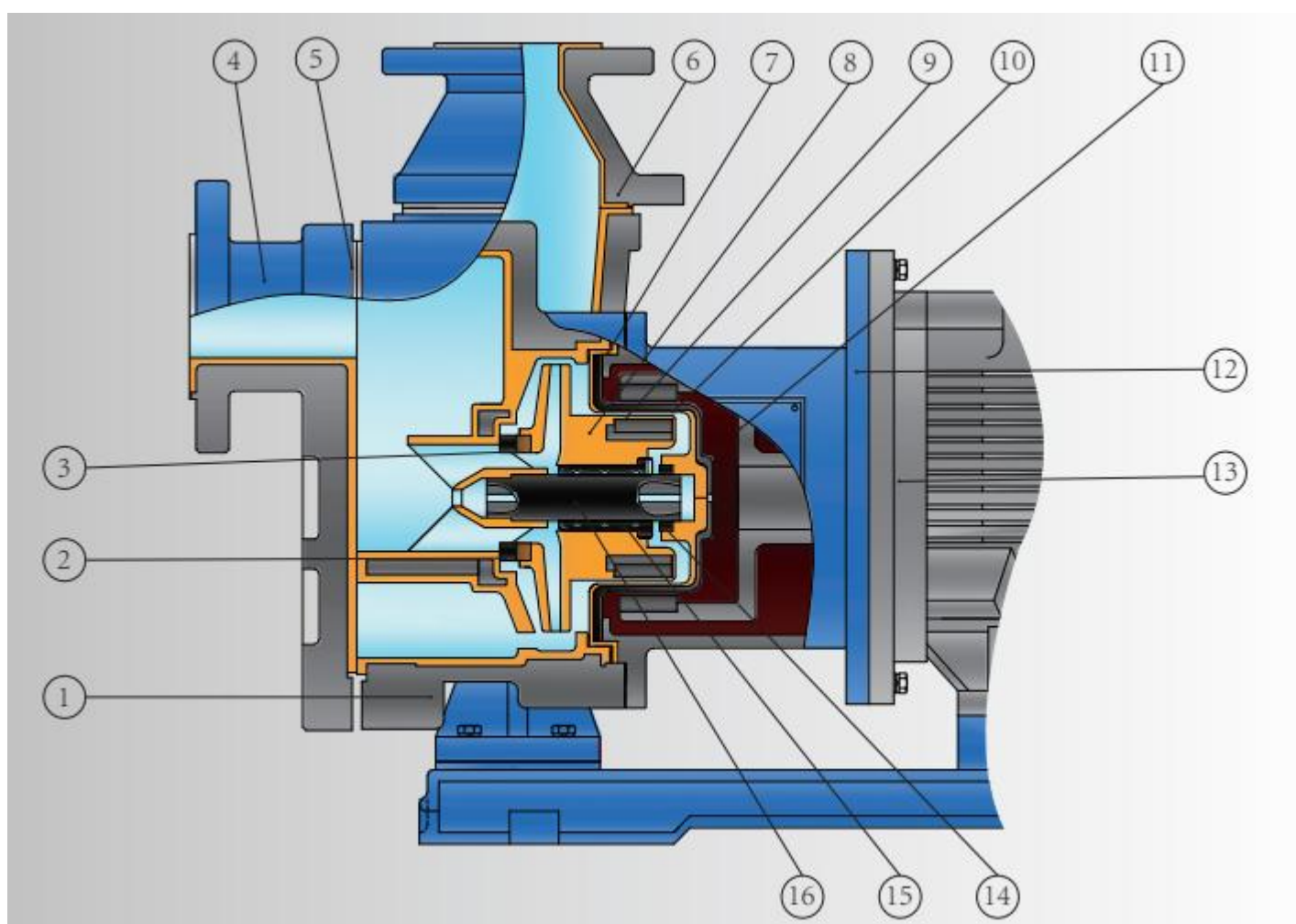
ZFT 系列自吸式磁力泵，充分结合了磁力泵和自吸泵的优点，不仅适用于吸上工况，且因为特殊的泵腔设计，可耐短暂的抽空，防止干磨，相较于其他泵更适用于原料卸车。既具有自吸功能，又取消了轴封，利用磁力间接传动，完全消除了滴漏的现象。

The ZFT series self-priming magnetic pumps integrate the advantages of both magnetic and self-priming pumps. Not only are they suitable for suction operations, but their specialized pump chamber design also enables tolerance of brief vacuum conditions, effectively preventing dry friction. Compared to conventional pumps, they are particularly well-suited for raw material unloading applications. Featuring self-priming functionality while eliminating shaft seals, these pumps utilize magnetic indirect drive technology to completely eliminate dripping and leakage issues.

3、零件图 Part drawing



4、结构图 Structural diagram



1	泵壳 pump case	9	隔离套 insulation sleeve
2	泵体静环 static ring of pump body	10	加强套 strengthen the sleeve
3	叶轮动环 rotating impeller ring	11	外磁联轴器 external Magnetic Coupling
4	前盖 protegulum	12	支架 support
5	前盖密封圈 front cover seal ring	13	电机 electrical machinery
6	出口法兰 discharge flange	14	止推环 thrust collar
7	隔离套密封垫 isolation sleeve sealing gaske	15	轴套 axle sleeve
8	转子叶轮 rotor impeller	16	主轴 principal axis

5、型号意义 Model designation

50 ZFT-32

50.....进口口径 Import caliber(mm)
 ZFT.....衬氟自吸磁力泵 Copper-lined self-priming magnetic pump
 32.....扬程 Head(m)

6、性能参数 Performance parameter

NO.	Type	Flow	Head	EFF	Self-priming Height	NPSHr	Aperture	Speed	Power
序号	型号	流量 m ³ /h	扬程 m	效率 %	自吸高度 m	汽蚀余量 m	进口 出口 mm	转速 r/min	电机功率 kW
1	32ZFT-25	2	26	19	1	2.5	32×25	2900	2.2
		* 3.6	25	25					
		4	25	38					
2	40ZFT-20	4.5	21	26	3	3	40×32	2900	1.5
		* 6	20	30					
		8	20	36					
3	50ZFT-20	9	21	39	3	3.5	50×32	2900	2.2
		* 12.5	20	45					
		16	18	50					
4	40ZFT-32	4.5	33	25	3	3	40×32	2900	3
		* 6.3	32	32					
		8	31	40					
5	50ZFT-32	9	33	38	3	3.5	50×32	2900	4
		* 12.5	32	43					
		15	30	46					
6	65ZFT-20	16	20	42	3	4	65×50	2900	4
		* 25	18	56					
		30	16	46					
7	65ZFT-32	17	32	46	3	4	65×50	2900	5.5
		* 25	28	50					
		30	27	54					
8	80ZFT-20	35	21	53	3	4.5	80×65	2900	7.5
		* 50	20	62					
		60	18	64					
9	80ZFT-32	35	33	50	3	4.5	80×65	2900	11
		* 50	32	60					
		60	30	63					

★ 吸上高度(池底到泵进口最大高度)=大气压水柱-NPSHr-0.5m 安全距离,一般为 5-7m。

★ The suction head (maximum height from the pool bottom to the pump inlet) equals the atmospheric pressure water column minus the NPSHr minus a 0.5m safety margin, typically ranging from 5 to 7 meters.

★ 自吸高度(液面到泵进口最大高度),由泵的空载时间和进口管路布置结构决定。

★ The self-priming height (the maximum height from the liquid surface to the pump inlet) is determined by the pump's no-load time and the layout structure of the inlet piping.

二、FZB 氟塑料自吸离心泵 FZB Fluoroplastic Self-priming Centrifugal Pump

1、用途 Application

低位水池吸水、罐车原料装卸有短时间空运转的工况、气液混合介质。适合各种酸、碱、盐、有机溶剂的输送。可含少量固体和杂质的污水、废酸、废碱。

The system features low-level water tank suction, short-term idle operation during tanker material loading/unloading, and gas-liquid mixed media. It is suitable for transporting various acids, alkalis, salts, and organic solvents. It can handle wastewater containing small amounts of solids and impurities, as well as waste acids and waste alkalis.



2、设计特点 Design feature

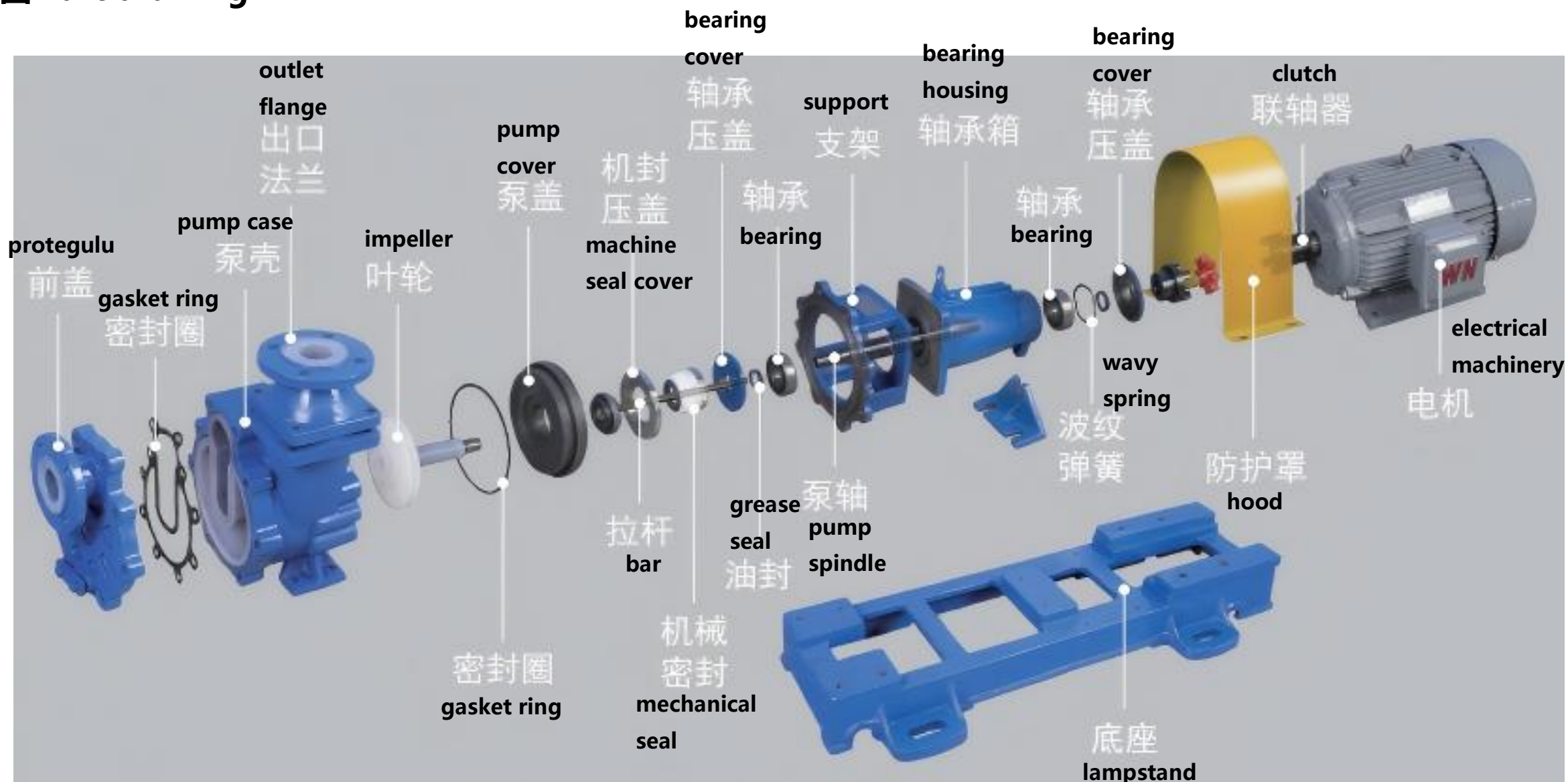
外混式双层泵体设计，自带自吸功能，专为低槽位工况研制。过流部件全部紧衬氟塑料，耐腐蚀性能优异，泵的承重部分为金属材料，耐压能力强。可配置外装式单端面机封、外装式集装式机封加冲洗水、可定制 AP1682 标准的冲洗方案。

The externally mixed-type double-layer pump body design features built-in self-priming capability, specifically engineered for low-level tank operating conditions. All flow components are tightly lined with fluoroplastic materials for superior corrosion resistance, while the load-bearing section of the pump is constructed with metal materials to ensure robust pressure resistance. The system can be equipped with externally mounted single-face mechanical seals, externally installed modular mechanical seals with flushing water, and customized AP1682-compliant flushing protocols.

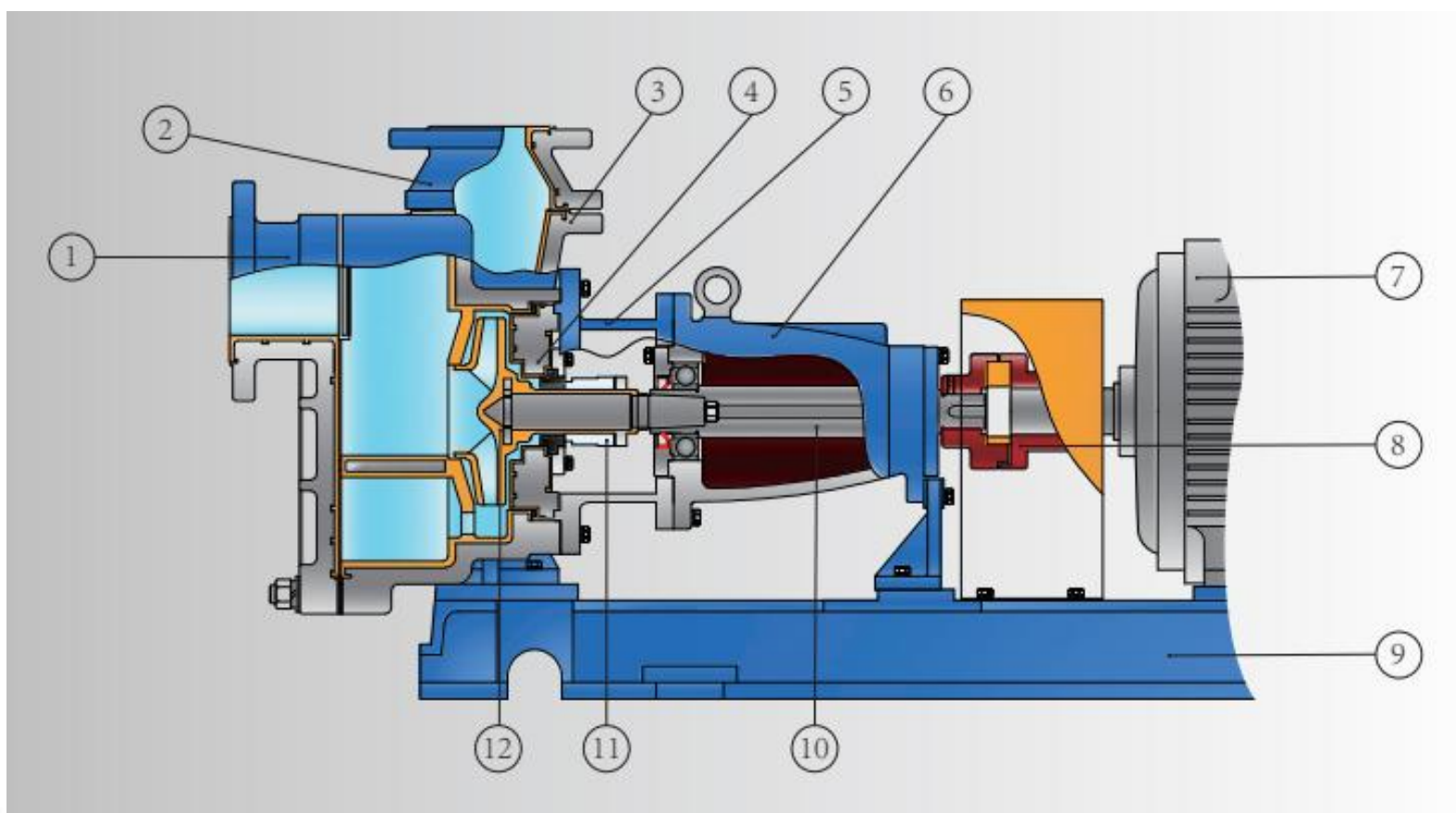
自吸高度根据介质密度不同在 1 至 3 米内确定。(液面到泵腔的距离)

The self-priming height is determined within 1 to 3 meters based on the medium density (the distance from the liquid surface to the pump chamber).

3、零件图 Part drawing



4、结构图 Structural diagram



1	前盖 protegulum	7	电机 electrical machinery
2	出口法兰 discharge flange	8	联轴器 clutch
3	泵壳 pump case	9	底座 lampstand
4	泵盖 pump cover	10	泵轴 pump spindle
5	支架 support	11	机械密封 mechanical seal
6	轴承箱 bearing housing	12	叶轮 impeller

5、型号意义 Model designation

50 F Z B-30 L D

50.....进口口径(mm) Import diameter (mm)
 F.....过流部件材质为氟塑料合金 The material of the flow component is fluoroplastic alloy.
 Z.....具有自吸功能 Possesses self-priming function
 B.....单级单吸离心泵 Single suction volute pump
 30.....扬程(m) Head (m)
 L.....短支架型 Short stent type

6、性能参数 Performance parameter

NO.	Type	Flow m ³ /h	Head m	EFF %	Self-priming Height m	NPSHr m	Aperture mm	Speed r/min	Power kW
序号	型号	流量 m ³ /h	扬程 m	效率 %	自吸高度 m	汽蚀余量 m	进口·出口 mm	转速 r/min	电机功率 kW
1	25FZB-18L	1.2	18	10	1.5	3	25×25	2900	1.5
		* 1.8	18	13					
		2.5	17	18					
2	32FZB-18L	2.6	19	18	1.5	3	32×25	2900	1.5
		* 3.6	18	24					
		4.5	17	34					
3	40FZB-20L	5	20	27	3	3.2	40×32	2900	2.2
		* 6.3	20	27					
		9	20	28					
4	40FZB-20D	5	20	24	3	3.2	40×50	2900	3
		* 6.3	20	25					
		8	20	27					
5	40FZB-32L	5	32	22	3	3.2	40×32	2900	4
		* 6.3	32	26					
		8	31	29					
6	50FZB-20L	9	20	35	3	3.5	50×50	2900	2.2
		* 12.5	20	43					
		15	20	46					
7	50FZB-20D	9	21	30	3	3.5	50×50	2900	3
		* 12.5	20	30					
		15	19	32					
8	50FZB-30L	9	31	33	3	3.5	50×50	2900	4
		* 12.5	30	40					
		15	29	43					
9	50FZB-45L	9	45	25	3	3.5	50×32	2900	7.5
		* 12.5	45	35					
		15	46	39					

NO.	Type	Flow m ³ /h	Head m	EFF %	Self-priming Height m	NPSHr m	Aperture mm	Speed r/min	Power kW
序号	型号	流量 m ³ /h	扬程 m	效率 %	自吸高度 m	汽蚀余量 m	进口·出口 mm	转速 r/min	电机功率 kW
10	65FZB-20L	17	20	43	3	4	65×50	2900	3
		* 25	20	53					4
		30	20	55					
11	65FZB-30L	17	32	50	3	4	65×50	2900	7.5
		* 25	32	50					
		30	30	55					
12	65FZB-45L	17	45	31	3	4	65×40	2900	11
		* 25	45	37					
		30	40	42					
13	80FZB-20L	35	20	40	3	4.5	80×65	2900	7.5
		* 50	20	47					
		60	18	46					
14	80FZB-30L	35	33	53	3	4.5	80×65	2900	11
		* 50	32	60					
		60	29	58					
15	80FZB-45L	35	45	51	3	4.5	80×65	2900	15
		* 50	45	52					
		55	40	54					
16	100FZB-30L	65	32	52	3	5	100×80	2900	18.5
		* 100	30	58					
		110	28	59					
17	100FZB-45L	65	45	51	3	5	100×80	2900	30
		* 100	45	59					
		110	40	60					
18	100FZB-80L	65	81	43	3	5	100×80	2900	45
		* 100	80	51					
		110	80	52					

三、TMC-Z 锈钢磁力自吸泵 TMC-Z Magnetic Self-priming Pump for Rusty Steel

1、用途 Application

带自吸功能，适用于碱液、苯、醚、醇、醛、烷、氨水、氢氧化钠以及医药中间体等。

Equipped with self-priming function, suitable for alkaline solutions, benzene, ether, alcohol, aldehyde, alkane, ammonia water, sodium hydroxide, and pharmaceutical intermediates.

2、概述 Summary

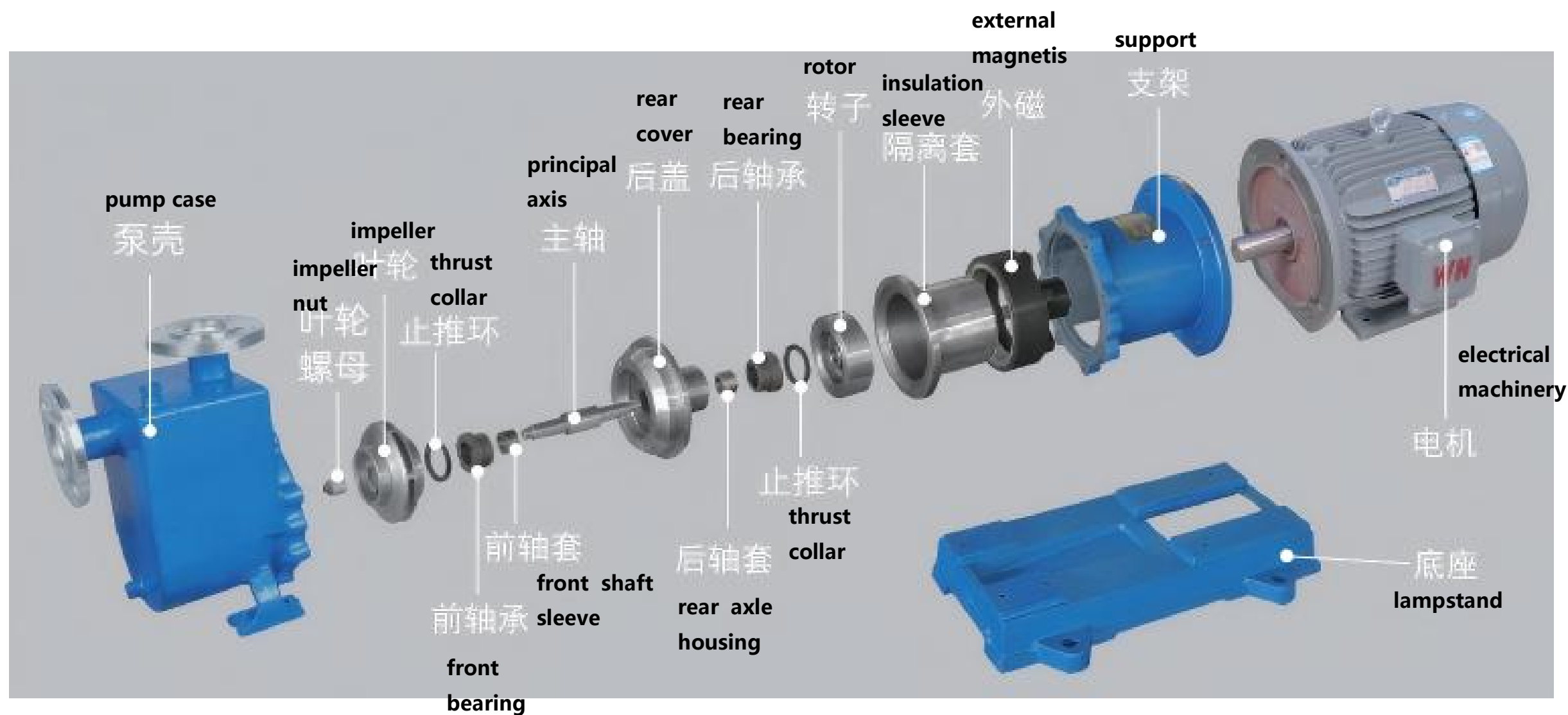
- 泵材质 Pump material : 不锈钢 stainless steel(304、316L)
- 流量 Flow : 3.6m³/h~100m³/h
- 扬程 Head : 20m~80m
- 功率 Power : 1.1kW~55kW
- 使用温度 Temperature : -20°C~250°C



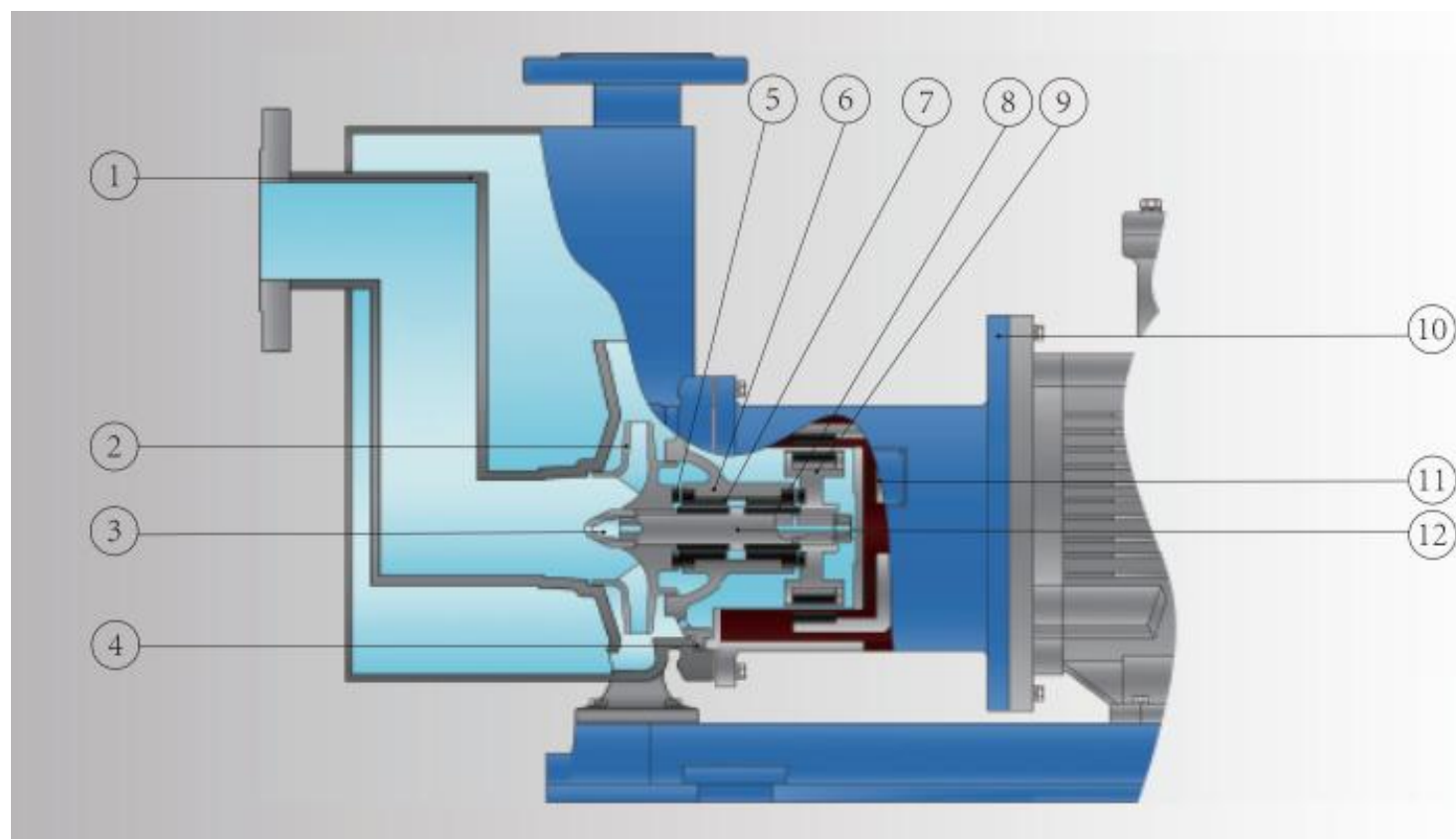
3、设计特点 Design feature

- ◆ 采用磁力传动原理与外混式自吸泵腔结构，过流部件全部采用不锈钢制造，对有机酸，有机化合物，碱类等都有良好的耐腐蚀性。
- ◆ 由 TMC 磁力泵进行泵体焊接后实现自吸功能。
- ◆ The design employs magnetic drive principle and an external mixing self-priming pump chamber structure, with all flow components fabricated from stainless steel, demonstrating excellent corrosion resistance to organic acids, organic compounds, and alkalis.
- ◆ The self-priming function is achieved after the pump body is welded using a TMC magnetic pump.

4、零件图 Part drawing



5、结构图 Structural diagram



1	泵壳 pump case	7	轴承 bearing
2	叶轮 impeller	8	轴套 axle sleeve
3	叶轮螺母 impeller nut	9	内磁 internal magnetism
4	密封圈 gasket ring	10	连接架 connector
5	动环 rotating seal ring	11	外磁 external magnetism
6	泵盖 pump bonnet	12	泵轴 pump spindle

6、型号意义 Model designation

TMC-Z 80-65-125

TMC.....不锈钢磁力驱动泵 Stainless Steel Magnetic Drive Pump
 Z.....具有自吸功能 Possesses self-priming function
 80.....进口口径(mm) Import diameter (mm)
 65.....出口口径(mm) Export opening (mm)
 125.....叶轮名义直径(mm) Nominal diameter of impeller (mm)

7、性能参数 Performance parameter

NO.	Type	Flow	Head	EFF	Self-priming Height	NPSHr	Aperture	Speed	Power	Weight
序号	型号	流量 m ³ /h	扬程 m	效率 %	自吸高度 m	汽蚀余量 m	进口·出口 mm	转速 r/min	电机功率 kW	重量 Kg
1	TMC-Z40-25-125	* 6.3	20	21	3	3.0	40×25	2900	2.2	88
2	TMC-Z40-25-160	* 6.3	32	28	3	3.0	40×25	2900	3	88
3	TMC-Z40-25-200	* 6.3	50	27	3	3.0	40×25	2900	4	103
4	TMC-Z40-32-250	* 6.5	80	25	3	3.0	40×32	2900	11	240
5	TMC-Z50-32-125	10	21	32	3	3.5	50×32	2900	2.2	88
		* 12.5	20	35					3	
		16	20	38					3	
6	TMC-Z50-32-160	9	33	35	3	3.5	50×32	2900	4	94
		* 12.5	32	36					3	
		16	31	40					3	
7	TMC-Z50-32-200	9	54	28	3	3.5	50×32	2900	7.5	125
		* 12.5	50	30					3	
8	TMC-Z50-32-250	12.5	80	30	3	3.5	50×32	2900	15	240
		* 16	50	34					3	
9	TMC-Z65-40-250	25	80	33	3	3.5	65×40	2900	22	330
10	TMC-Z65-50-125	17	22	38	3	3.5	65×50	2900	4	103
		* 25	20	47					3	
		30	18	44					3	

NO.	Type	Flow	Head	EFF	Self-priming Height	NPSHr	Aperture	Speed	Power	Weight
序号	型号	流量 m ³ /h	扬程 m	效率 %	自吸高度 m	汽蚀余量 m	进口·出口 mm	转速 r/min	电机功率 kW	重量 Kg
11	TMC-Z65-50-160	17	33	38	3	3.5	65×50	2900	5.5	145
		* 25	32	44					7.5	
		35	28	50					7.5	
12	TMC-Z65-40-200	17	55	37	3	3.5	65×40	2900	11	240
		* 25	50	42					15	
		35	50	47					15	
13	TMC-Z80-65-125	36	24	47	3	4.0	80×65	2900	7.5	150
		* 50	20	56					7.5	
		60	19	59					7.5	
14	TMC-Z80-65-160	36	35	40	3	4.0	80×65	2900	11	250
		* 50	32	50					15	
		60	32	53					15	
15	TMC-Z80-50-200	36	55	50	3	4.0	80×50	2900	15	290
		* 50	50	60					18.5	
		60	50	61					18.5	
16	TMC-Z80-50-250	50	80	42	3	4.0	80×50	2900	30	360
17	TMC-Z100-80-125	70	23	48	3	4.5	100×80	2900	11	280
		* 100	20	55					11	
		105	17	55					11	
18	TMC-Z100-80-160	70	36	50	3	4.5	100×80	2900	18.5	310
		* 100	32	56					22	
		120	32	59					22	
19	TMC-Z100-65-200	70	48	46	3	4.5	100×65	2900	30	360
		* 100	50	60					30	
		120	50	66					30	

四、ZCQ 不锈钢自吸磁力泵 ZCQ Stainless Steel Self-priming Magnetic Pump

1、用途 Application

20°C 到 100°C 环境下的酸、碱、有机溶剂的输送。适用于医药、食品、制碱、印染、涂装等行业腐蚀性介质清液的输送。

Transportation of acids, alkalis, and organic solvents in environments ranging from 20°C to 100°C. Suitable for transporting corrosive liquid media in industries such as pharmaceuticals, food processing, soda ash production, dyeing, and coating.

2、概述 Summary

- 泵材质 Pump material : 不锈钢 Stainless steel(304、316L)
- 流量 Flow : 1.2m³/h~60m³/h
- 扬程 Head : 5m~50m
- 功率 Power : 0.12kW~18.5kW
- 使用温度 Temperature : -20°C~100°C



3、设计特点 Design feature

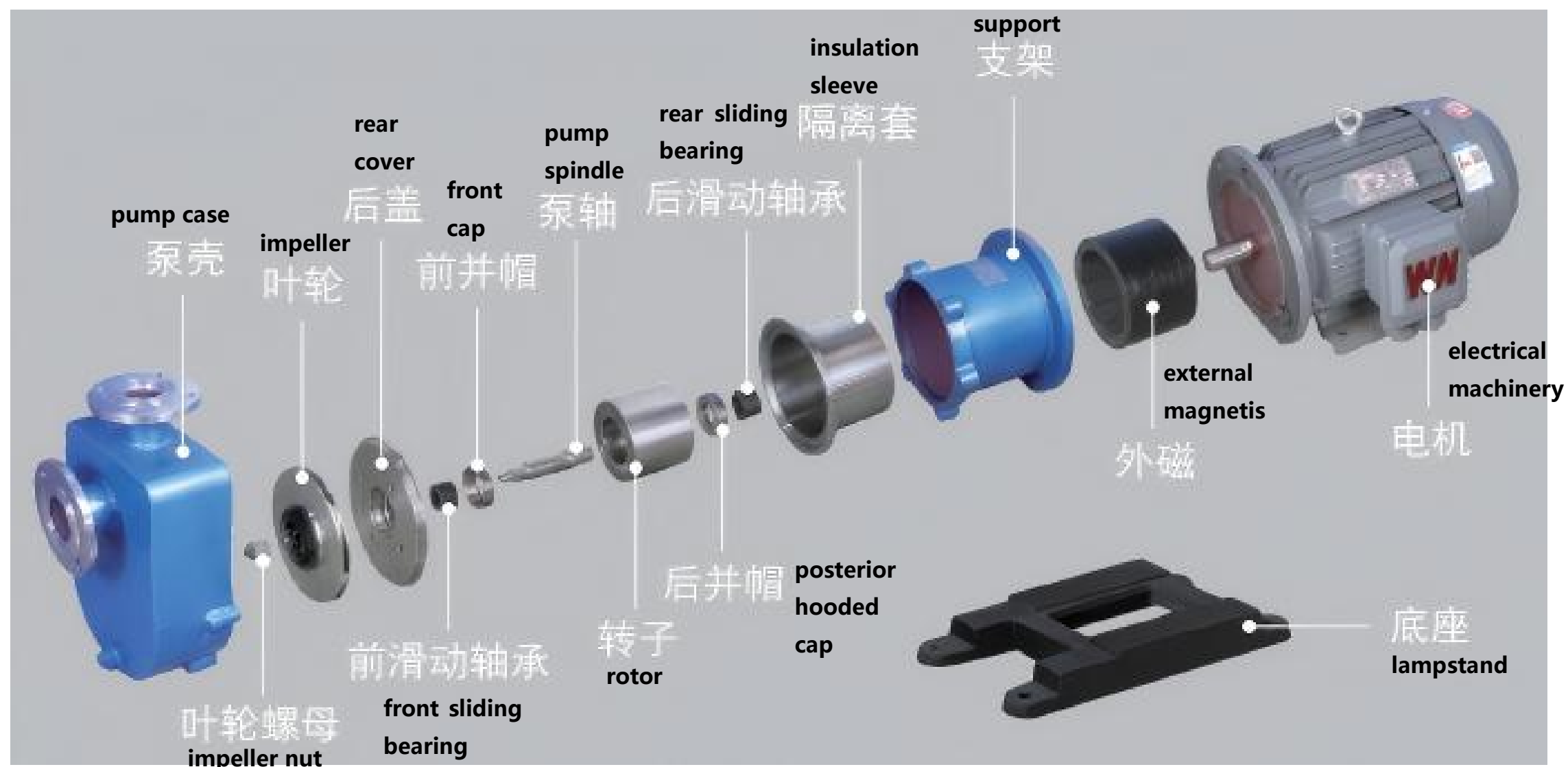
采用磁力传动原理与外混式自吸泵腔结构，法兰压力等级 0.6Mpa，磁铁采用铁氧体材质，是一种轻型自吸磁力泵。应用范围广泛，尤其是对于那些安装在高于液面位置的场合，自吸磁力泵即为首选。

由 CQ 磁力泵进行泵体焊接后实现自吸功能。

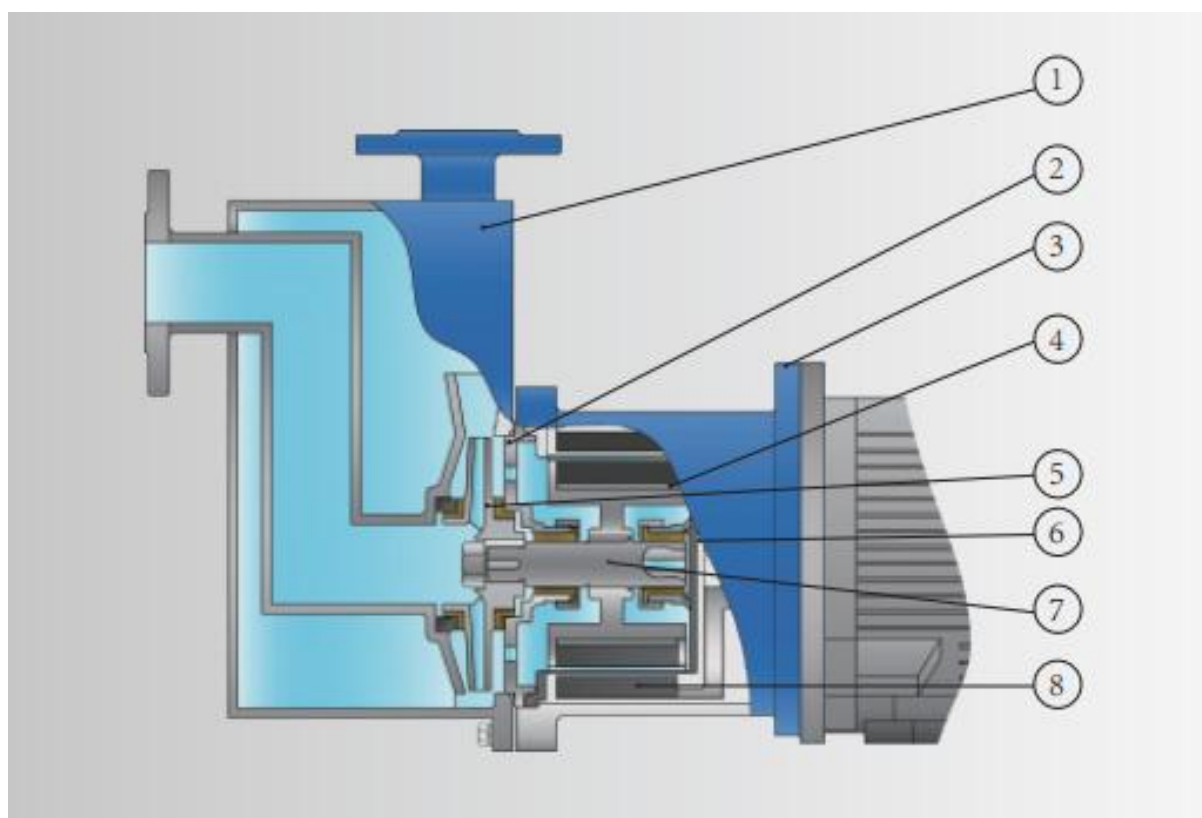
This lightweight self-priming magnetic pump utilizes the principle of magnetic drive and an external mixing self-priming pump chamber structure, with a flange pressure rating of 0.6 MPa and magnets made of ferrite material. It boasts extensive application ranges, particularly serving as the preferred choice for installations above liquid level positions.

The self-priming function is achieved after the pump body is welded using a CQ magnetic pump.

4、零件图 Part drawing



5、结构图 Structural diagram



1	泵壳总成 pump housing assembly	5	转子总成 rotor assembly
2	泵盖总成 pump cover assembly	6	叶轮总成 impeller Assembly
3	支架 support	7	主轴 principal axis
4	外磁总成 external magnetic assembly	8	隔套总成 cuff assembly

6、型号意义 Model designation

80ZCQ- 55

80.....进口口径 Import caliber(mm)
 ZCQ.....自吸式磁力驱动泵 Self-priming magnetic drive pump
 55.....扬程 Head(m)

7、性能参数 Performance parameter

NO.	Type	Flow	Head	EFF	NPSHr	Aperture	Speed	Power	Weight
序号	型号	流量 m ³ /h	扬程 m	效率 %	汽蚀余量 m	进口·出口 mm	转速 r/min	电机功率 kW	重量 Kg
1	16ZCQ-5	* 1.2	5	20	3.0	16×12	2900	0.12	12
2	16ZCQ-8	* 1.8	8	21	3.0	16×12	2900	0.18	15
3	20ZCQ-12	* 3	12	21	3.0	20×12	2900	0.37	22
4	25ZCQ-15	* 5.4	15	25	3.0	25×20	2900	1.1	30
5	32ZCQ-15	* 6.5	15	28	3.0	32×25	2900	1.1	35
6	32ZCQ-25	* 4.8	25	23	3.0	32×25	2900	1.1	35
7	32ZCQ-32	2	32	20	3.0	32×25	2900	2.2	38
		* 3.6	32	24					
		5	30	27					
8	50ZCQ-20	6.3	21	20	3.0	50×32	2900	2.2	42
		* 10	20	22					
		11	20	22					
9	40ZCQ-32	6.3	33	24	3.0	40×32	2900	4	65
		* 11.5	32	25					
		13	30	27					
10	40ZCQ-40	* 6.3	40	21	3.0	40×32	2900	4	68
11	50ZCQ-25	9	27	30	3.0	50×40	2900	4	68
		* 14.4	25	27					
		17	25	34					
12	50ZCQ-32	9	33	28	3.0	50×40	2900	4	70
		* 13.2	32	29					
		17	29	30					
13	50ZCQ-50	6.3	50	27	3.0	50×32	2900	5.5	108
		* 7.8	50	28					
		10	47	33					
14	65ZCQ-25	15	26	35	3.0	65×50	2900	4	110
		* 16.8	25	36					
		20	23	38					
15	65ZCQ-32	17	33	48	3.0	65×50	2900	5.5	115
		* 25	32	50					
		30	28	53					

五、IHZ 不锈钢离心自吸泵 IHZ Stainless Steel Centrifugal Self-priming Pump

1、用途 Application

碱液、苯、醚、醇、醛、烷、氨水、氢氧化钠及医药中间体等。

Alkali solutions, benzene, ether, alcohol, aldehyde, alkane, ammonia water, sodium hydroxide, and pharmaceutical intermediates, etc.

2、概述 Summary

- 泵材质 Pump material : 不锈钢 Stainless steel(304、316L、2205 等)
- 流量 Flow : 3.2m³/h~100m³/h
- 扬程 Head : 20m~80m
- 功率 Power : 1.5kW~30kW
- 使用温度 Temperature : -20°C~250°C



3、设计特点 Design feature

产品过流部件全部采用不锈钢，针对有机酸，有机化合物，碱类，盐溶液等，都有良好的耐腐蚀性。可根据不同工况，配置内装及外装式集装机械密封，结构简单，使用方便。

All flow-through components of the product are made of stainless steel, demonstrating excellent corrosion resistance to organic acids, organic compounds, alkalis, and salt solutions. Depending on different operating conditions, both internal and external modular mechanical seals can be configured, featuring a simple structure and user-friendly operation.

由 IH 离心泵进行泵体焊接后实现自吸功能。

The self-priming function is achieved after the pump body is welded using an IH centrifugal pump.

6、型号意义 Model designation

IH-Z 80-65-125

IH.....不锈钢离心泵 Stainless steel centrifugal pump
 Z.....具有自吸功能 Possesses self-priming function
 80.....进口口径(mm) Import diameter (mm)
 65.....出口口径(mm) Export opening (mm)
 125.....叶轮名义直径(mm) Nominal diameter of impeller (mm)

7、性能参数 Performance parameter

NO.	Type	Flow	Head	EFF	Self-priming height	NPSHr	Aperture	Speed	Power
序号	型号	流量 m ³ /h	扬程 m	效率 %	自吸高度 m	汽蚀余量 m	进口·出口 mm	转速 r/min	电机功率 kW
1	IHZ40-25-125	5	25	30	3	3.2	40×25	2900	1.5
		* 6.3	20	32					
		8	18	35					
2	IHZ40-25-160	5	35	25	3	3.2	40×25	2900	2.2
		* 6.3	32	28					
		8.5	30	30					
3	IHZ40-25-200	5	51	20	3	3.2	40×25	2900	5.5
		* 6.3	50	21					
		8.5	48	24					
4	IHZ40-32-250	5	81	16	3	3.2	40×32	2900	11
		* 6.3	80	18					
		8.5	76	20					
5	IHZ50-32-125	9	24	42	3	3.5	50×32	2900	2.2
		* 12.5	20	54					
		16	20	57					
6	IHZ50-32-160	9	35	41	3	3.5	50×32	2900	4
		* 12.5	32	47					
		16	30	49					
7	IHZ50-32-200	9	51	36	3	3.5	50×32	2900	7.5
		* 12.5	50	44					
		16	47	48					
8	IHZ50-32-250	9	81	24	3	3.5	50×32	2900	11
		* 12.5	80	27					
		16	77	30					
9	IHZ65-40-250	17	82	35	3	3.5	65×40	2900	18.5
		* 25	80	39					
		30	77	42					
10	IHZ65-50-125	17	22	52	3	3.5	65×50	2900	3
		* 25	20	56					
		30	20	59					

NO.	Type	Flow	Head	EFF	Self-priming height	NPSHr	Aperture	Speed	Power
序号	型号	流量 m ³ /h	扬程 m	效率 %	自吸高度 m	汽蚀余量 m	进口·出口 mm	转速 r/min	电机功率 kW
11	IHZ65-50-160	17	33	47	3	3.5	65×50	2900	5.5
		* 25	32	50					
		30	31	55					
12	IHZ65-40-200	17	55	40	3	3.5	65×40	2900	11
		* 25	50	44					
		30	50	47					
13	IHZ80-65-125	35	23	56	3	4.0	80×65	2900	5.5
		* 50	20	61					
		60	18	63					
14	IHZ80-65-160	35	37	51	3	4.0	80×65	2900	11
		* 50	32	59					
		60	32	62					
15	IHZ80-50-200	35	52	54	3	4.0	80×50	2900	15
		* 50	50	57					
		60	50	60					
16	IHZ80-50-250	35	81	44	3	4.0	80×50	2900	30
		* 50	80	48					
		60	70	50					
17	IHZ100-80-125	70	24	68	3	4.5	100×80	2900	11
		* 100	20	70					
		110	19	70					
18	IHZ100-80-160	70	38	57	3	4.5	100×80	2900	15
		* 100	32	62					18.5
		120	30	61					
19	IHZ100-65-200	70	57	61	3	4.5	100×65	2900	30
		* 100	50	65					
		110	50	67					

六、ZX 自吸泵 ZX self-priming pump

1、用途 Application

城市环保、建筑、消防化工、制药、染料、印染、酿造、电力、电镀、造纸、石油、矿山、设备冷却等。

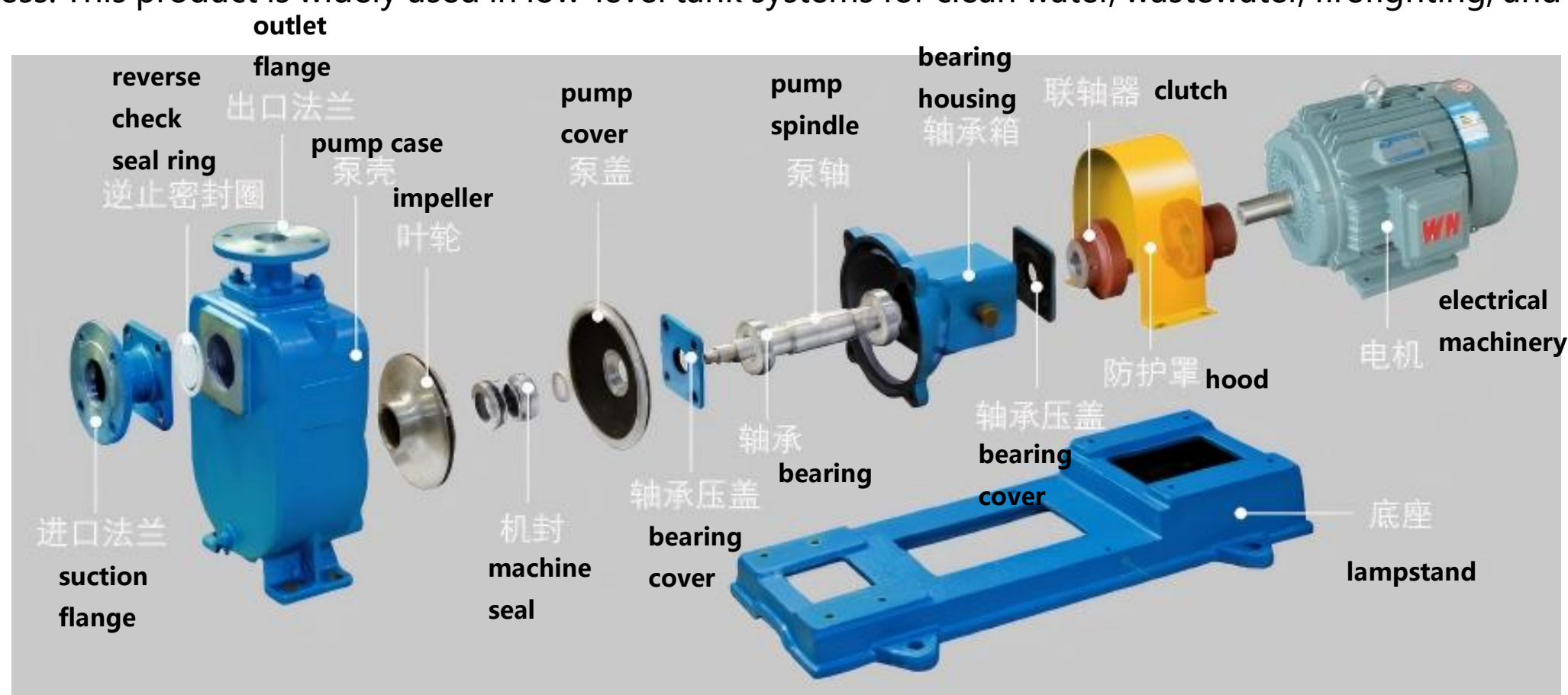
Urban environmental protection, construction, fire protection and chemical engineering, pharmaceuticals, dyes, printing and dyeing, brewing, power generation, electroplating, papermaking, petroleum, mining, equipment cooling, etc.

2、设计特点 Design feature

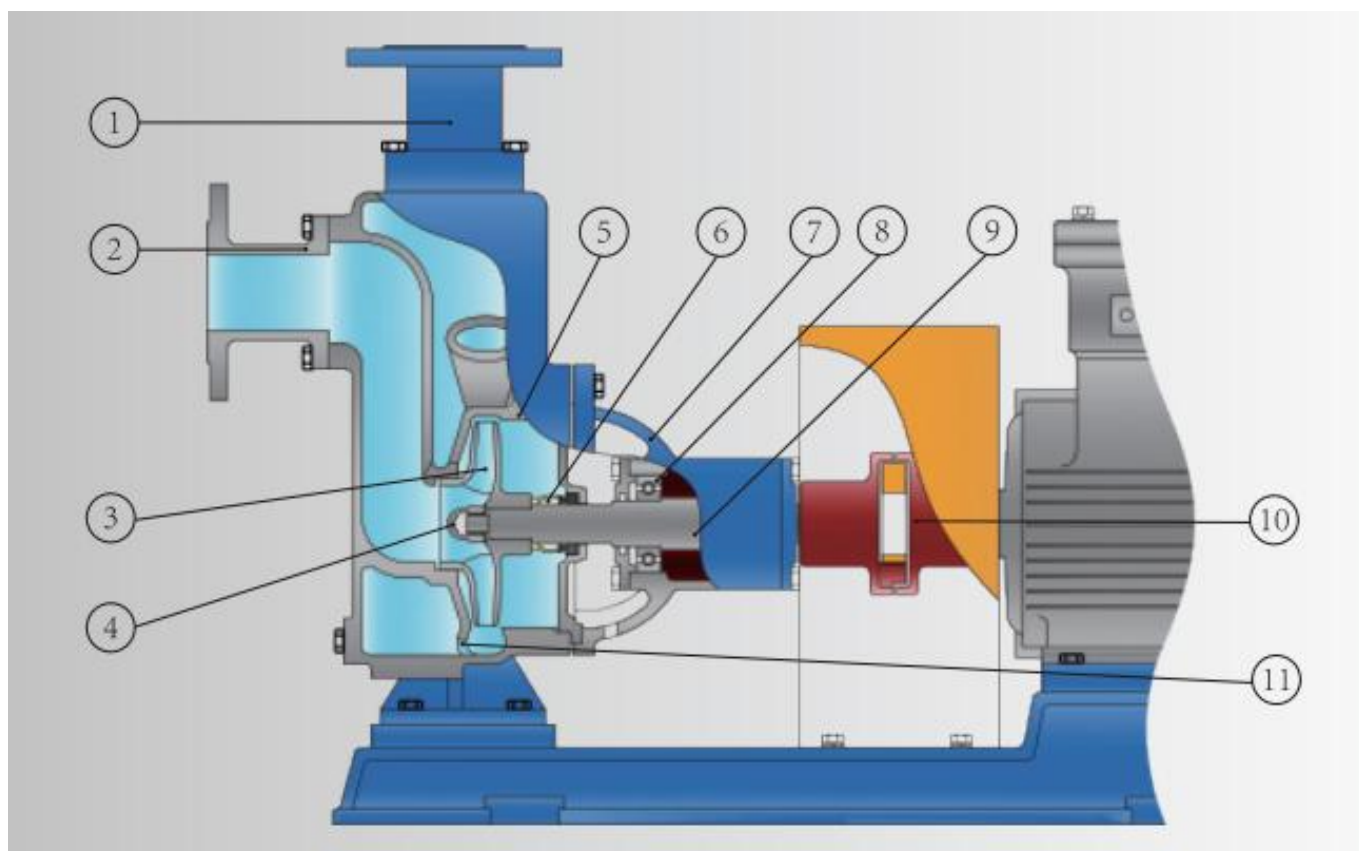
ZX 系列卧式自吸离心泵，泵腔全部采用一体铸造工艺。过流部件可选择：灰铁、碳钢、不锈钢等材质。全系标配 109 机械密封，安装简便，可耐受一定的颗粒冲刷。悬臂结构短，制造成本低，性价比高。低位槽清水、污水、消防、水循环系统最常用的产品。

The ZX series horizontal self-priming centrifugal pump features a fully integrated casting process for its pump chamber. Flow components are available in materials including gray iron, carbon steel, and stainless steel. All models come standard with 109 mechanical seals, ensuring easy installation and resistance to particulate erosion. The short cantilever design reduces manufacturing costs while delivering high cost-effectiveness. This product is widely used in low-level tank systems for clean water, wastewater, firefighting, and water circulation applications.

3、零件图 Part drawing



4、结构图 Structural diagram



1	出口短接 export short circuit	7	轴承箱 bearing housing
2	进口短接 import short circuit	8	轴承 bearing
3	叶轮 impeller	9	泵轴 pump spindle
4	叶轮螺母 impeller nut	10	联轴器 clutch
5	泵壳 pump case	11	回流孔 reflux hole
6	机械密封 mechanical seal		

5、型号意义 Model designation

50 ZX-20-30

50.....进口口径(mm) Import diameter (mm)
 ZX.....不锈钢自吸泵 Stainless steel self-priming pump
 20.....流量(m³/h) Flow(m³/h)
 30.....扬程(m) Head (m)



ZX 自吸泵



109 系列机封

6、性能参数

Performance parameter

NO.	Type	Flow	Head	Aperture	Power	Speed	Self-priming height	Weight
序号	型号	流量 m ³ /h	扬程 m	口径 mm	电机功率 kW	转速 r/min	自吸高度 m	重量 Kg
1	25ZX3.2-20	* 3.2	20	25	1.1	2900	6.5	58
2	25ZX3.2-32	* 3.2	32	25	1.5	2900	6.5	62
3	32ZX3.2-32	* 3.2	32	32	1.1	2900	6.5	62
4	32ZX3.2-50	* 3.2	50	32	1.5	2900	6.5	85
5	32ZX3.2-50	* 3.2	50	40	3	2900	6.5	105
6	40ZX6.3-20	* 6.3	20	40	1.5	2900	6.5	62
7	40ZX6.3-32	* 6.3	32	40	2.2	2900	6.5	70
8	40ZX-10-40	* 10	40	40	4	2900	6.5	115
9	40ZX6.3-50	* 6.3	50	40	4	2900	6.5	115
10	50ZX15-12	* 15	12	50	1.5	2900	6.5	70
11	50ZX18-20	* 18	20	50	2.2	2900	6.5	75
12	50ZX12.5-32	* 12.5	32	50	3	2900	6.5	90
13	50ZX20-30	* 20	30	50	4	2900	6.5	110
14	50ZX14-35	* 14	35	50	4	2900	6.5	115
15	50ZX10-40	* 10	40	50	4	2900	6.5	120
16	50ZX12.5-50	* 12.5	50	50	5.5	2900	6.5	135
17	50ZX15-60	* 15	60	50	7.5	2900	6.5	145
18	50ZX20-75	* 20	75	50	11	2900	6	220
19	65ZX30-15	* 30	15	65	3	2900	6	105
20	65ZX25-32	* 25	32	65	5.5	2900	6	135
21	65ZX25-50	* 25	50	65	7.5	2900	6	142
22	65ZX25-70	* 25	70	65	15	2900	6	220
23	80ZX35-13	* 35	13	80	3	2900	6	105
24	80ZX43-17	* 43	17	80	4	2900	6	115
25	80ZX50-20	* 50	20	80	5.5	2900	6	135
26	80ZX50-32	* 50	32	80	7.5	2900	6	142
27	80ZX60-40	* 60	40	80	11	2900	6	190
28	80ZX60-55	* 60	55	80	18.5	2900	6	280
29	80ZX60-70	* 60	70	80	22	2900	5.5	300
30	100ZX100-20	* 100	20	100	11	2900	5.5	240
31	100ZX100-32	* 100	32	100	15	2900	6	250
32	100ZX100-40	* 100	40	100	18.5	2900	6	265
33	100ZX100-50	* 100	50	100	22	2900	6	305
34	100ZX100-65	* 100	65	100	30	2900	6	450
35	100ZX70-75	* 70	75	100	30	2900	5	450
36	150ZX150-20	* 150	20	150	18.5	2900	5	305
37	150ZX150-32	* 150	32	150	22	1450	5	580
38	150ZX170-55	* 170	55	150	45	1450	5	720
39	150ZX170-65	* 170	65	150	55	1450	5	920
40	150ZX160-75	* 160	75	150	55	1450	5	950
41	150ZX160-80	* 160	80	150	55	1450	5	960
42	200ZX400-32	* 400	32	200	55	1450	5	1200