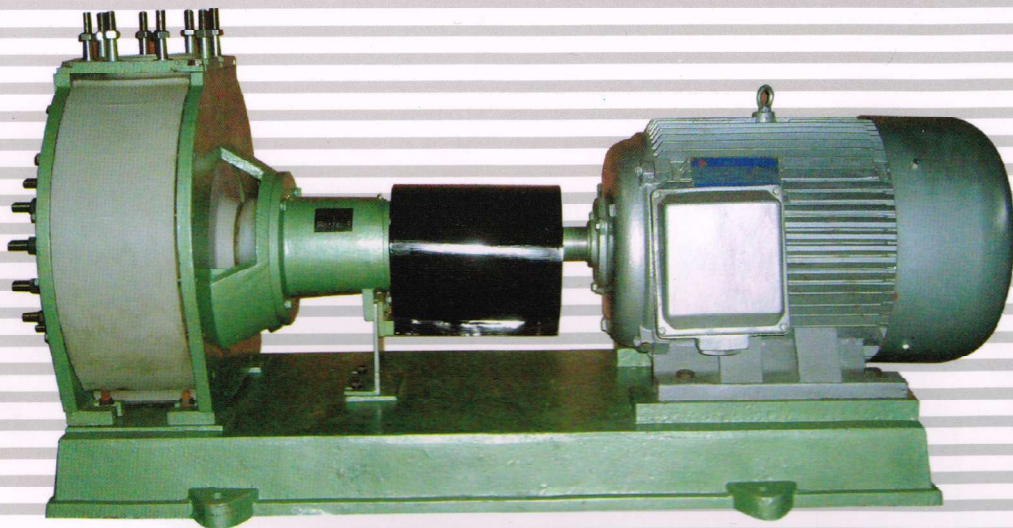




氟塑料离心泵

FLUOROPLASTIC CENTRIFUGAL PUMP



Use Specification 使用说明书

温州市德茵特种防腐设备有限公司

Wenzhou Deyin Special Antisptic Equipment Co.,LTD

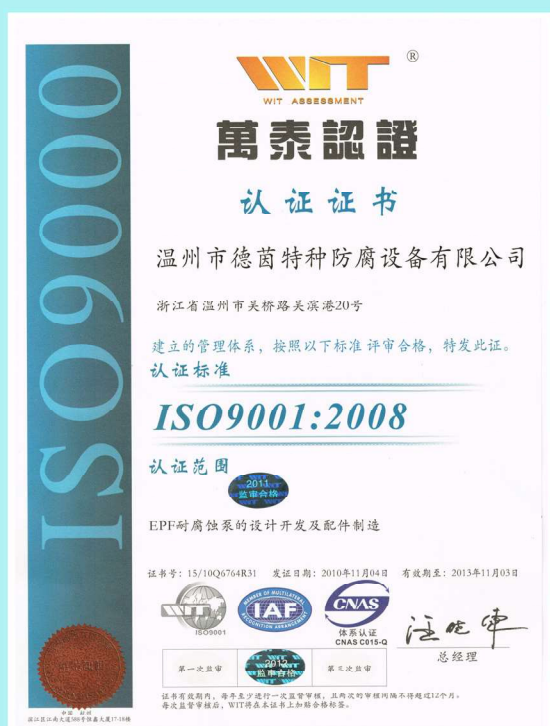
「简介」

温州市德茵特种防腐设备有限公司(以下简称公司)前身是温州市鹿城特种防腐设备厂(2001年11月12日改名),是国内著名的专业生产EPF中碱玻璃纤维模塑料和氟塑料耐腐蚀泵、隔膜阀、酸过滤器、气缸、塑料衬里管道及管件(含直管、弯头、三通、异径管、PP和PVC塑料二次加工制造各种非标化工设备)聚四氟乙烯波纹管膨胀节的企业。

德茵公司的耐腐蚀泵、阀系列产品是在引进、消化、吸收国外先进技术的基础上自行创新设计的,经由国内各大型、特大型钢铁联合企业(如武钢、宝钢、宝钢益昌、海南海宇、精密带钢、本钢、新疆八钢、杭州东南网架薄板有限公司等)的长期生产实践验证和服务质量验证,已是有口皆碑。到目前为止,在国内这些产品的多数尚仅由本公司独家生产。

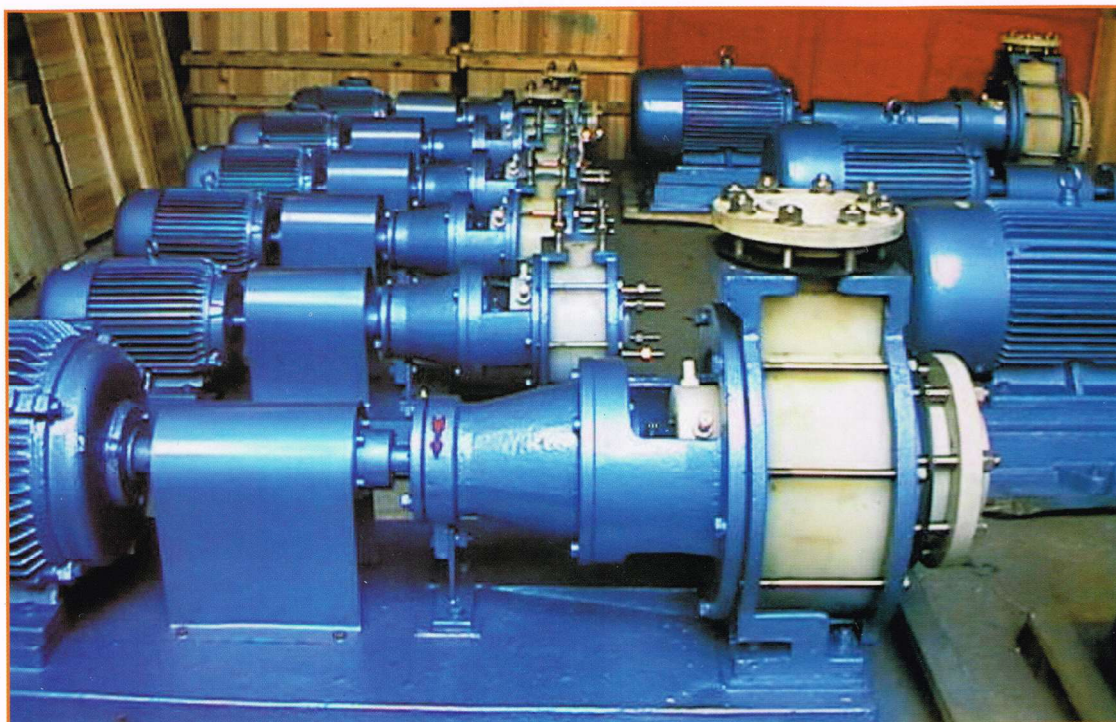
公司自创业以来,一直“以顾客为关注焦点、领导作用、全员参与、过程方法、系统管理、持续改进、基于事实的决策方法、与供方互利的关系”八项质量管理原则指导企业的质量保证体系建设。制定“以一流的质量和一流的服务,参加国际市场竞争,并持续改进”的质量方针。并于2001年8月27日获得万泰(WIT)认证中心颁发的ISO9001:2000质量体系认证(证书号:1504/Q5409R10),按ISO9004:2000的要求进行持续性的业绩改进,渐次深化,追求卓越,以期在耐酸蚀泵、阀的生产、服务中占据制高点。

我们一直注重顾客的现有需求和潜在期望。公司在自己发展的历程中深刻体会到,在市场经济条件下,一个企业成功的管件在于追到限度满足顾客的需求和潜在期望,提高顾客满意度。我们将以顾客感受的三个层次:基本要求、顾客期望、超越期望给以使你们获得满足、满意、惊喜的感受作为己任,达到卓越的产品+卓越的服务方式+卓越的服务意识,我们谨向支持、信赖、和爱戴本公司的各级领导,新老客户致以衷心的感谢。



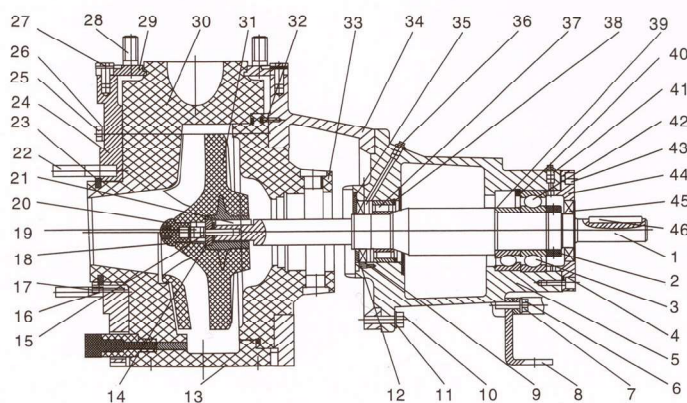
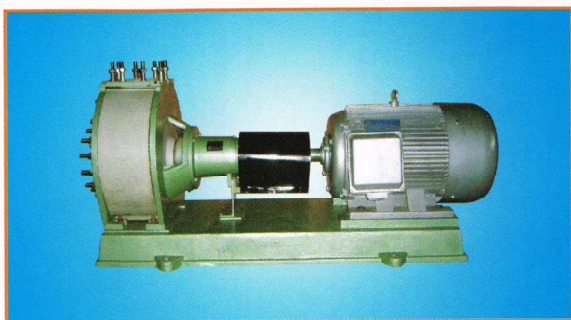


氟塑料离心泵 Fluoroplastic Centrifugal Pump

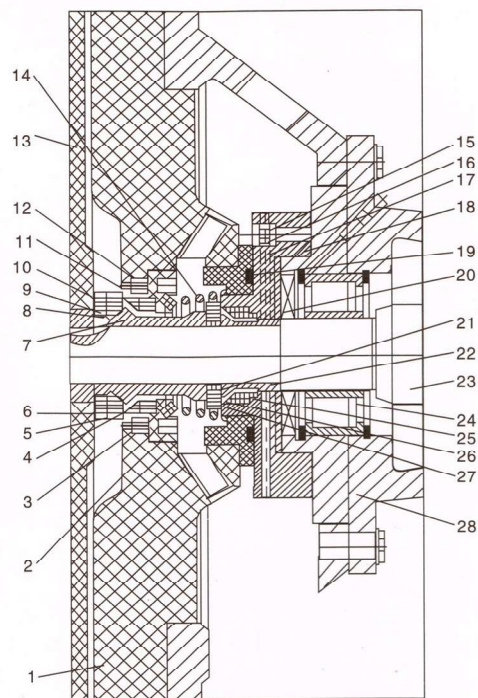


氟塑料离心泵 Fluoroplastic Centrifugal Pump

■ FFD型氟塑料离心泵 FFD Fluoroplastic Centrifugal Pump



泵结构图 Pump Structure Fig



密封结构图 Seal Structure Fig

■ 密封零部件名称 Seal main parts name

序号 Series No.	零件名称 Name	序号 Series No.	零件名称 Name	序号 Series No.	零件名称 Name	序号 Series No.	零件名称 Name	序号 Series No.	零件名称 Name
1	室盖 Chamber cover	7	前轴套 Front axle bushing	13	叶轮 Impeller	19	密封圈 Seal ring	25	静环 Stationary seat
2	静环座 Stationary seat	8	密封圈 Seal ring	14	弹簧 Spring	20	轴承盖 Bearing cover	26	密封圈 Seal ring
3	密封圈 Seal ring	9	密封圈 Seal ring	15	螺丝 Screw	21	密封圈 Seal ring	27	水封动环 Water seal rotating ring
4	静环 Stationary ring	10	密封圈 Seal ring	16	密封圈 Seal ring	22	密封圈 Seal ring	28	轴承体 Bearing body
5	动环 Rotating ring	11	密封圈 Seal ring	17	弹簧座 Spring seat	23	轴 Shaft		
6	密封圈 Seal ring	12	密封圈 Seal ring	18	水封密封座 Water seal seat	24	轴承 Bearing		

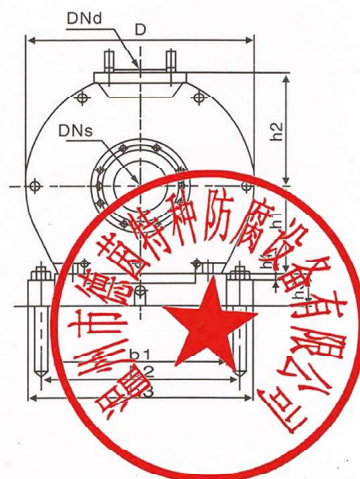
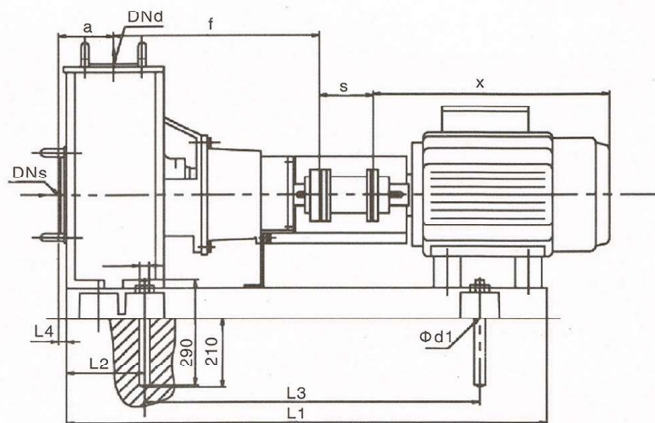
■ 主要零部件名称 Main parts name

序号 Series No.	零件名称 Name	序号 Series No.	零件名称 Name	序号 Series No.	零件名称 Name	序号 Series No.	零件名称 Name	序号 Series No.	零件名称 Name
1	泵轴 Pump shaft	11	平垫 Flat washer	21	键 Key	31	叶轮 Impeller	41	黄油嘴 Grease nipple
2	锁紧螺母 Retaining nut	12	螺丝 Screw	22	螺丝 Screw	32	定位销 Locating pin	42	轴承 Bearing
3	轴承 Bearing	13	密封圈 Seal ring	23	对环 Split ring	33	密封圈 Seal ring	43	螺丝 Screw
4	密封圈 Seal ring	14	叶轮铁芯 Impeller iron core	24	泵壳压盖 Pump casing gland	34	泵盖 Pump cover	44	轴承端盖 Bearing end cover
5	轴承体 Bearing body	15	平垫 Flat washer	25	螺丝 Screw	35	轴承盖 Bearing cap	45	油封 Oil seal
6	螺丝 Screw	16	螺丝 Screw	26	平垫 Flat Washer	36	黄油嘴 Grease nipple	46	键 Key
7	平垫 Flat washer	17	弹垫 Spring washer	27	螺丝 Screw	37	轴承 Bearing		
8	支架 Bracket	18	密封圈 Seal ring	28	螺丝 Screw	38	挡圈 Check ring		
9	油封 Oil seal	19	内六角螺丝 Hexagon socket head cap screw	29	出口压盖 Outlet gland	39	定位套 Locating sleeve		
10	螺丝 Screw	20	防腐帽 Anticorrosive cap	30	泵壳 Pump casing	40	挡圈 Check ring		

FFD 型氟塑料离心泵性能参数表 Performance Parameters Table of FFD Fluoroplastic Centrifugal Pump

序号 Series No.	Type 型号 Model	进口 Inlet Φ mm	出口 Outlet Φ mm	流量 Flow m^3/h	扬程 Head m	电机功率 Motor power kW	转速 Speed r/min	Model 电机型号 Motor model
1	200FFD-150-250	200	150	400	42	110	1450	Y315S-4
2	200FFD-150-250A	200	150	200	40	90	1450	Y280S-4
3	200FFD-150-250B	200	150	360	23	55	1450	Y250M-4
4	200FFD-150-250C	200	150	250	28	55	1450	Y250M-4
5	125FFD-80-315	125	80	170	35	45	1450	Y225M-4
6	125FFD-80-315	125	80	120	35	30	1450	Y 200L-4
7	125FFD-80-315A	125	80	100	25	22	1450	Y180L-4
8	125FFD-100-250	125	100	200	30	37	1450	Y225S-4
9	125FFD-100-250A	125	100	150	16	15	1450	Y160L-4
	125FFD-80-250B	125	80	150	30	30	1450	Y 200L-4
10	100FFD-65-315	100	65	80	35	22	1450	Y180L-4
11	100FFD-65-315	100	65	108	30	18.5	1450	Y180M-4
12	100FFD-65-315	100	65	80	30	18.5	1450	Y180M-4
13	100FFD-65-315A	100	65	50	30	15	1450	Y160L-4
14	100FFD-65-315	100	65	67	25	15	1450	Y160L-4
15	100FFD-65-315	100	65	50	36	15	1450	Y160L-4
16	100FFD-80-250	100	80	80	20	11	1450	Y160M-4
17	100FFD-80-160	100	65	75	35	18.5	1450	Y160L-2
18	80FFD-50-315	80	50	20	35	11	1450	Y160L-4
19	80FFD-50-315	80	50	35	30	15	1450	Y160L-4
20	65FFD-40-400	65	40	18	40	11	1450	Y160M-4
21	65FFD-40-315	65	40	15	36	7.5	1450	Y132M-4
22	65FFD-40-315	65	40	20	30	7.5	1450	Y132M-4
23	65FFD-40-315	65	30	30	30	7.5	1450	Y132M-4
24	65FFD-40-315	65	40	15	30	7.5	1450	Y132M-4
25	65FFD-40-315	65	40	9	30	5.5	1450	Y132S-4
26	65FFD-40-315	65	40	25	20	7.5	1450	Y132M-4
27	65FFD-40-250	65	40	30	25	5.5	1450	Y132S-4

安装尺寸图 Installation Dimension Drawing



主要外形尺寸Main Overall Dimensions

型号Model	DNs	DNd	a	b1	b2	b3	D	Φd1	f	h1	h2	h3	h4	L1	L2	L3	L4	S
200FFD-150-250	200	150	160	610	700	800	660	24	530	315	375	150	100	1620	300	960	23	140
125FFD-100-250B	125	80	125	480	550	610	525	20	530	225	280	100	50	1400	230	940	21	100
125FFD-80-315	125	80	125	480	550	610	525	20	530	225	280	100	50	1400	230	940	21	100
100FFD-65-315	100	65	125	480	550	610	525	20	530	225	280	100	50	1400	230	940	21	100
100FFD-65-250A	100	65	125	480	550	610	482	20	530	200	250	100	50	1400	230	940	21	100
80FFD-50-315	80	50	125	480	550	610	482	20	530	200	250	100	50	1400	230	940	21	100
65FFD-40-315	65	40	125	380	440	490	482	20	500	200	250	80	30	1120	190	740	21	100
65FD-40-250	65	40	100	340	400	450	430	20	500	180	225	80	30	1000	170	660	21	100

选用材质说明 Descriptions for adopted materials

2.5液体相接触的泵部件由下列材质制造而成。

- 1、增强聚丙烯、PPR可用于各种浓度有机溶剂、酸、碱和盐类溶液，适用最高温度0~85℃
- 2、改性聚丙烯、PPH可用于各种浓度有机溶剂，酸、碱和盐类溶液，适用最高温度0~85℃
- 3、聚四氟乙烯PVDF可用于各种浓度有机溶剂，酸、碱和盐类，适用最高温度-20~110℃

2.5The pump parts contacting the liquid are made of the following materials.

- 1、Enhanced PP and PPR can be used for various concentrations of organic solvent as well as acid, alkali and salt solutions, and the applicable temperature is 0~85℃
- 2、Modified PP and PPH can be used for various concentrations of organic solvent as well as acid, alkali and salt solutions, and the applicable temperature is 0~85℃
- 3、PTFE and PVDF can be used for various concentrations of organic solvent as well as acid, alkali and salt solutions, and the applicable temperature is -20~110℃.

安装使用注意事项 Notes for installation and use:

- 1、将底脚螺栓套在泵底座上，戴上螺母平垫，放在预留地脚螺栓孔的混凝土基础上。用调整其间楔形垫块的方法，校正水平，并校正泵与电机的同轴度，在联轴器外圆上校正，误差不大于0.1mm。
- 2、脱开电机检查电机旋向与泵相符后重新装回，再次复查校正同轴精度。
- 3、进出水管应另设支撑，不得借泵体支承。
- 4、启动前，用手转动机组转子应轻滑均匀。
- 5、打开冷却水阀门，后打开进、出口阀门，确认泵室内充满液体后再启动，严禁倒转、空转、结晶启动。
- 6、新泵在运行时要注意轴承的温度，不应超过75℃。
- 7、冬天停机后要打开放空阀，放完泵室内液体，以免结冻。
- 8、停机时间过长后再次生产时，都要用手转动转子是否灵活、正常再启动。

1、Fit the anchor bolts on the pump base with the nut flat washers and put the base on the concrete foundation with the preserved anchor bolt holes. Calibrate the level and also the coaxiality between the pump and the motor by means of adjusting the chock in between. The calibration shall be conducted on the coupling's outer circle with an error not more than 0.1mm.

2、Uncouple the motor to check that its rotation direction conforms to the pump, reload it and then recheck and calibrate the coaxiality precision.

3、The inlet and outlet water pipes shall be provided with additional supports but not rely on the pump body for supporting.

4、Before starting, rotate the unit's rotor by hand and the rotation shall be easy, smooth and uniform.

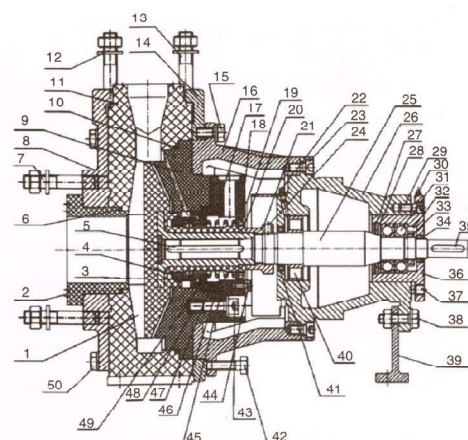
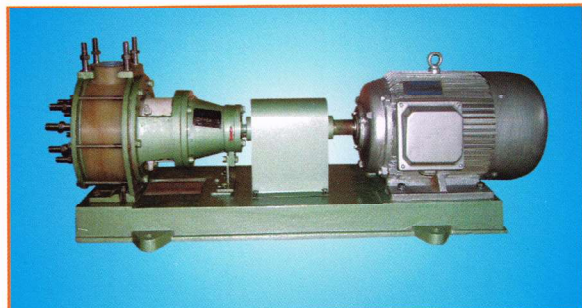
5、Open the cooling water valve and then the inlet and outlet valves to conform the pump chamber is filled with the liquid before restarting; and it's strictly prohibited from reversion, idling and crystal starting.

6、During the running of a new pump, attention shall be paid to the bearing's temperature which shall not exceed 75℃.

7、After stopping the pump in winter, it's necessary to open the dump valve to empty the liquid inside the pump chamber to avoid freezing.

8、Before production following a long idle time, it's necessary to rotate the rotor by hand to see if it's flexible and make sure it's normal before restarting.

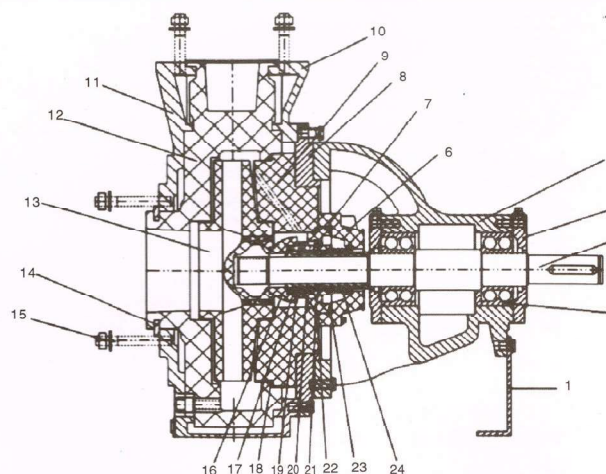
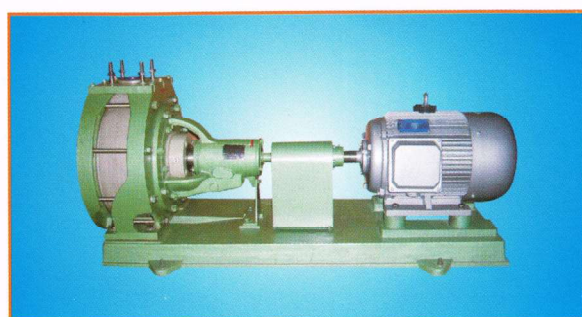
FFD 型氟塑料离心泵 FFD Fluoroplastic Centrifugal Pump



装配结构图2900转
Structure of the assembly to 2900

主要零部件名称 Main parts name

序号 Series No.	零件名称 Name	序号 Series No.	零件名称 Name	序号 Series No.	零件名称 Name	序号 Series No.	零件名称 Name	序号 Series No.	零件名称 Name
1	叶轮 Impeller	11	泵壳 Pump casing	21	叶轮背帽 Back nut of impeller	31	轴承 Bearing	41	油封 Oil seal
2	入口法兰 Flange inlet	12	螺栓 Bolt	22	黄油嘴 Grease nipple	32	保险片 Rupture disc	42	螺栓 Bolt
3	密封圈 Seal ring	13	螺栓 Bolt	23	螺栓 Bolt	33	销(锁)紧螺母 Locking nut	43	螺栓 Bolt
4	动环 Rotating ring	14	泵壳支架 Pump casing bracket	24	锁紧螺栓 Locking bolt	34	油封 Oil seal	44	螺栓 Bolt
5	键 Key	15	螺栓 Bolt	25	轴 Shaft	35	键 Key	45	弹簧 Spring
6	密封圈 Seal ring	16	泵盖 Pump cover	26	轴承体 Bearing body	36	轴承座 Bearing seat	46	密封圈 Seal ring
7	螺栓 Bolt	17	密封圈 Seal ring	27	定位挡圈 Locating check ring	37	螺栓 Bolt	47	静环座 Stationary ring seat
8	泵壳压盖 Pump casing gland	18	水封 Water Seal	28	调整垫片 Adjusted gasket	38	螺栓 Bolt	48	螺母 Nut
9	室盖 Chamber cover	19	水封压盖 Water seal gland	29	螺栓 Bolt	39	支架 Bracket	49	密封圈 Seal ring
10	密封圈 Seal ring	20	水封环 Water seal ring	30	黄油嘴 Grease nipple	40	轴承 Bearing	50	螺栓 Bolt



装配结构图1450转
Structure of the assembly to 1450

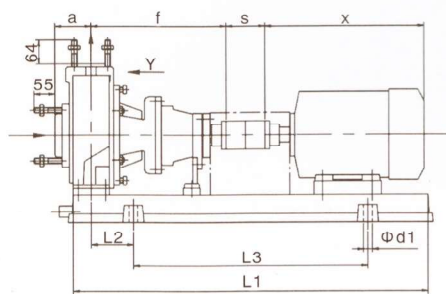
主要零部件名称 Main parts name

序号 Series No.	零件名称 Name	序号 Series No.	零件名称 Name	序号 Series No.	零件名称 Name	序号 Series No.	零件名称 Name
1	轴承体支架 Bearing body bracket	7	静环座 Stationary seat	13	叶轮 Impeller	19	密封圈 Seal ring
2	轴承 Bearing	8	泵盖 Pump cover	14	对环 Split ring	20	静环 Stationary ring
3	轴 Shaft	9	室盖 Chamber cover	15	螺丝 Screw	21	密封圈 Seal ring
4	轴承盖 Bearing cover	10	泵壳支架 Pump casing bracket	16	动环 Rotating ring	22	密封圈 Seal ring
5	轴承体 Bearing body	11	泵壳前压盖 Front gland of pump casing	17	动环座 Rotating ring seat	23	密封圈 Seal ring
6	密封圈 Seal ring	12	泵壳 Pump casing	18	密封圈 Seal ring	24	弹簧 Spring

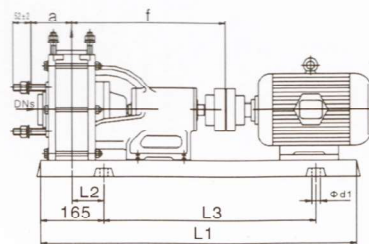
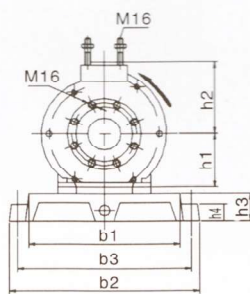
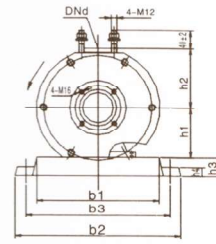
FFD 型泵性能参数表 Performance Parameters Table of FFD Fluoroplastic Centrifugal Pump

序号 Series No.	Type	ϕ mm						Model
	型号 Model	进口 Inlet	出口 Outlet	流量 Flow m^3/h	扬程 Head m	电机功率 Motor power kW	转速 Speed r/min	电机型号 Motor model
1	125FFD-80-200	125	80	100	25	18.5	2900	Y160L-2
2	125FFD-80-315	125	80	140	40	30	1450	Y200L-4
3	125FFD-80-250	125	80	100	20	18.5	1450	Y180M-4
4	100FFD-65-250	100	65	50	25	11	1450	Y160M-4
5	100FFD-80-160	100	80	85	35	18.5	2900	Y160L-2
6	80FFD-65-160	80	65	54	25	11	2900	Y160M1-2
	80FFD-65-160	80	65	35	26	7.5	2900	Y132M1-2
7	65FFD-40-160	65	40	20	20	5.5	2900	Y132S1-2
8	50FFD-32-200	50	32	7	60	11	2900	Y160M1-2
	50FFD-32-200	50	32	15	50	11	2900	Y160M1-2
9	50FFD-32-160	50	32	10	30	4	2900	Y112M-2
10	40FFD-25-160	40	25	3	28	4	2900	Y112M-2

安装尺寸图 Installation Dimension Drawing

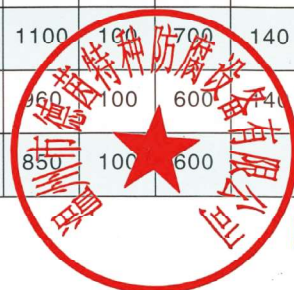


外型安装图 Appearance Installation Drawing

32FFD型安装尺寸图
32FFD Installation Dimension Drawing

主要外形尺寸 Main Overall Dimensions

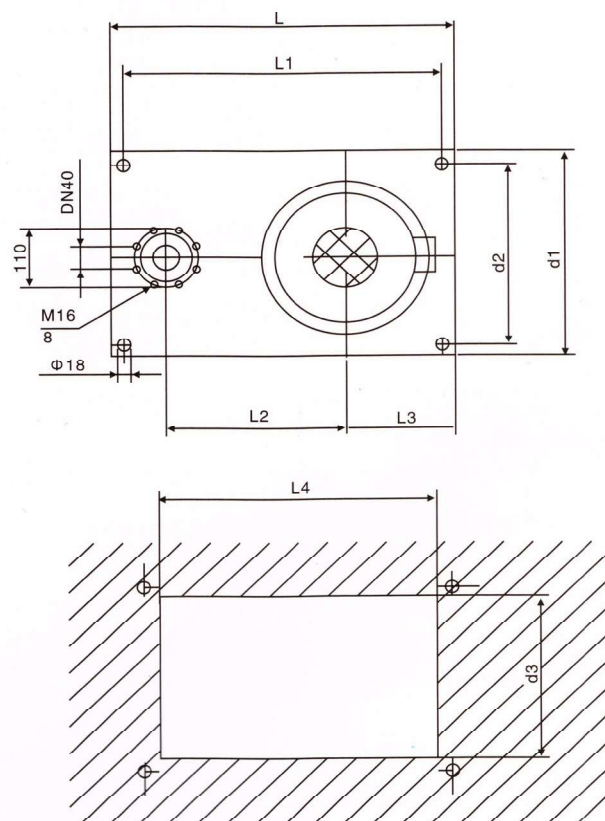
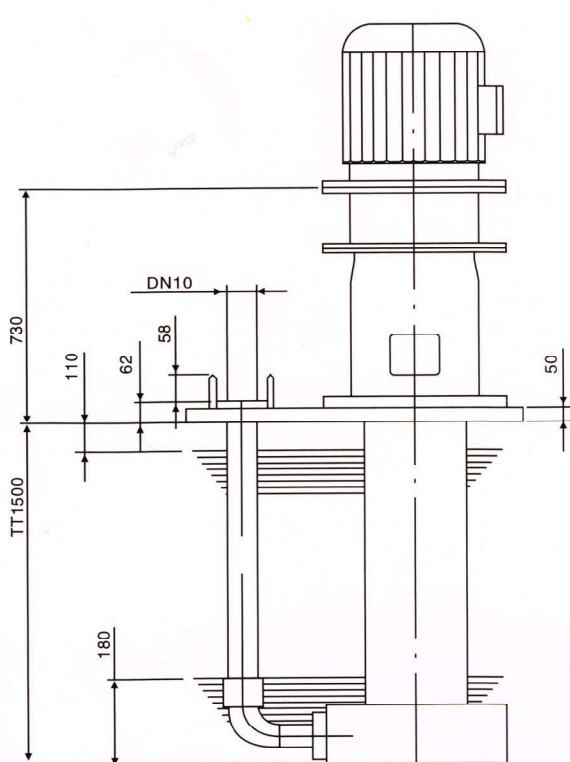
序号 Series No.	型号 Model	DNs	DNd	a	b1	b2	b3	$\Phi d1$	f	h1	h2	h3	h4	L1	L2	L3	S
1	125FFD-80-200	125	80	125	445	600	550	20	500	180	250	90	30	1260	145	840	140
2	125FFD-80-315	125	80	125	600	730	670	28	530	250	315	100	65	1600	185	1060	140
3	125FFD-80-250	125	80	125	445	600	500	20	500	225	285	90	30	1260	145	840	140
4	100FFD-65-250	100	65	125	445	600	550	20	500	225	285	90	30	1260	145	840	140
5	100FFD-80-160	100	80	125	445	600	550	20	500	160	210	90	30	1260	145	840	140
6	80FFD-65-160	80	65	100	345	500	440	20	385	160	180	80	30	1100	120	700	140
7	65FFD-40-160	65	40	80	330	420	370	20	385	132	148	65	30	960	100	600	100
8	50FFD-32-200	50	32	80	345	500	440	20	385	160	180	80	30	1100	120	700	140
9	50FFD-32-160	50	32	80	330	420	370	20	385	132	148	65	30	960	100	600	140
10	40FFD-25-160	40	25	75	285	370	330	20	335	112	135	60	30	850	100	600	140



液下泵 FFD 型性能规格表 Performance Specification Table of FFD Submerged Pump

序号 Series No.	Type	ϕ mm						Model
	型号 Model	进口 Inlet	出口 Outlet	流量 Flow m^3/h	扬程 Head m	电机功率 Motor power kW	转速 Speed r/min	电机型号 Motor model
1	FFD40-250Y	65	40	10	20	4	1450	Y112M-4
2	FFD40-315	65	40	20	30	7.5	1450	Y132M-4

液下泵 FFD 型安装尺寸图 Installation Dimension Drawing of FFD Submerged Pump

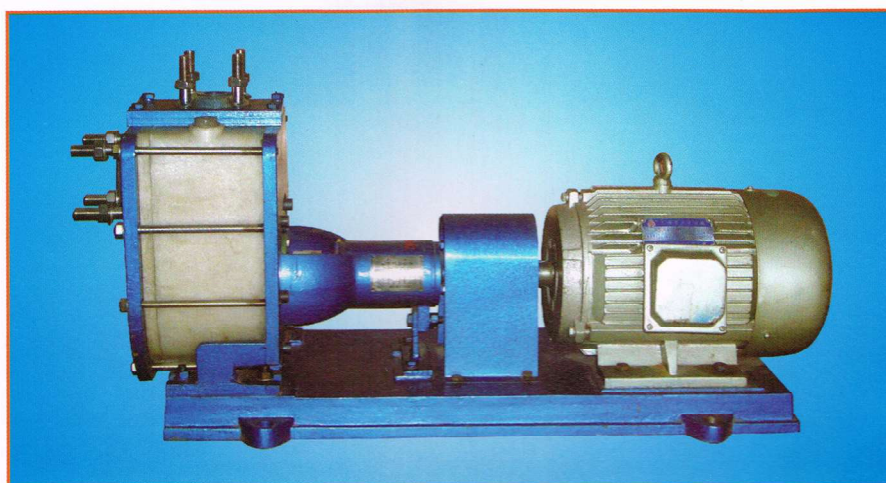


主要外形尺寸 Main Overall Dimensions

序号 Series No.	型号 Model	L	L1	L2	L3	L4	d1	d2	d3
1	FFD40-250Y	640	590	290	238	540	500	450	410
2	FFD40-315	680	630	330	280	580	530	480	440

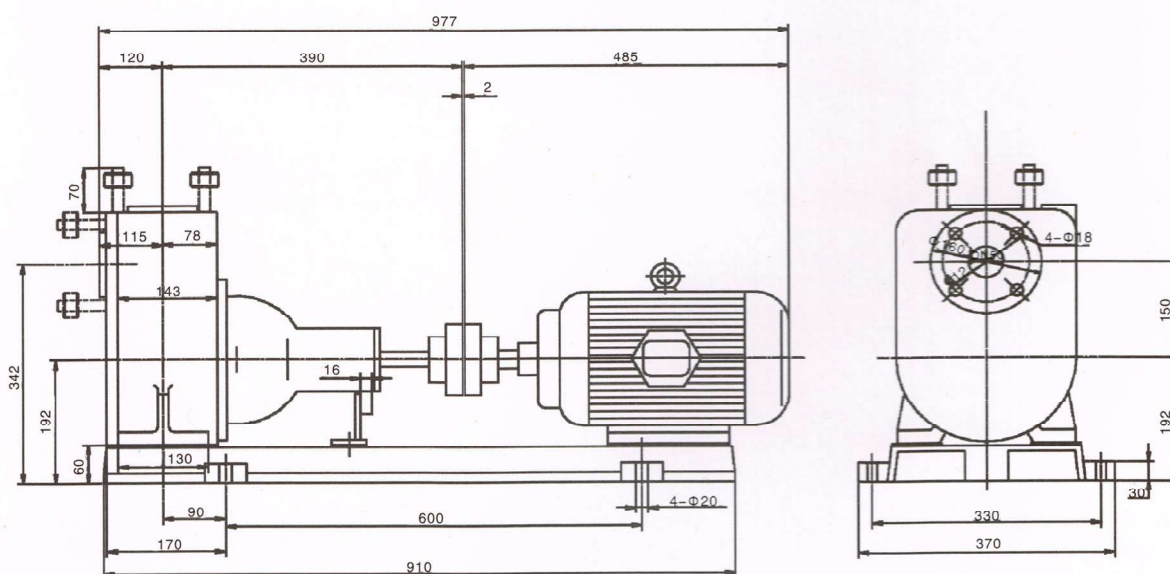
■ 自吸泵FFCW型性能规格表 Performance Specification Table of FFCW Self-Piming Pump

序号 Series No.	Type	ϕ mm			 (m)	 kW	 r/min	Model
	型号 Model	进口 Inlet	出口 Outlet	流量 Flow m^3/h	扬程 Head m	电机功率 Motor power kW	转速 Speed r/min	电机型号 Motor model
1	50FFCW-30	50	32	12	30	5.5	2900	Y132S1-2



氟塑料自吸泵 Fluoroplastics Self-suction pumps

■ 安装尺寸图 Installation Dimension Drawing



■ 酸再生预浓缩器过滤器
Filter for preconcentrator of acid regeneration



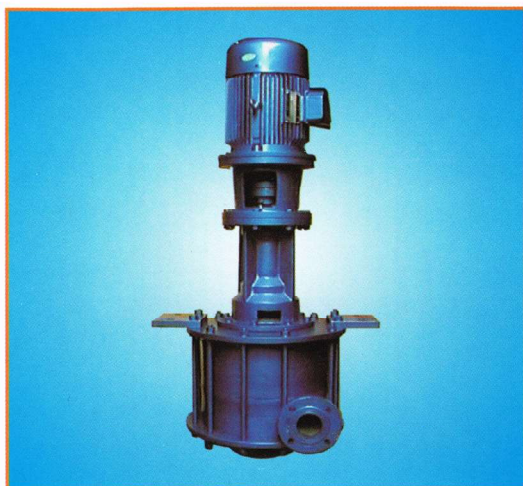
WQL型

■ 工艺段循环泵过滤器
Filter for circulating pump of process section

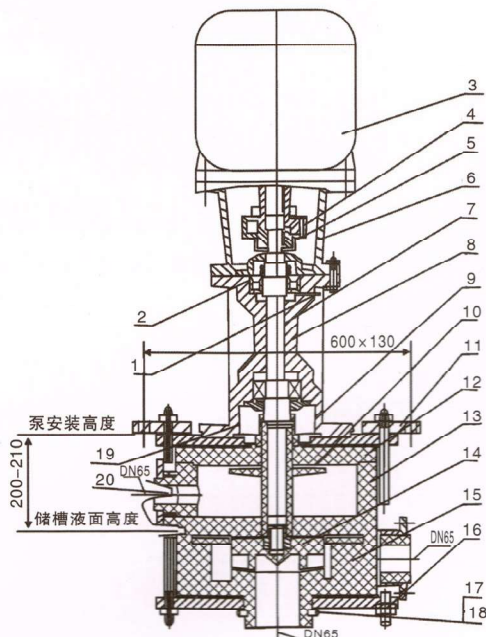


125FFD-25-100型

■ V100-65-210立式泵
V100-65-210 Vertical pump



■ 安装结构图 Installation structure drawing

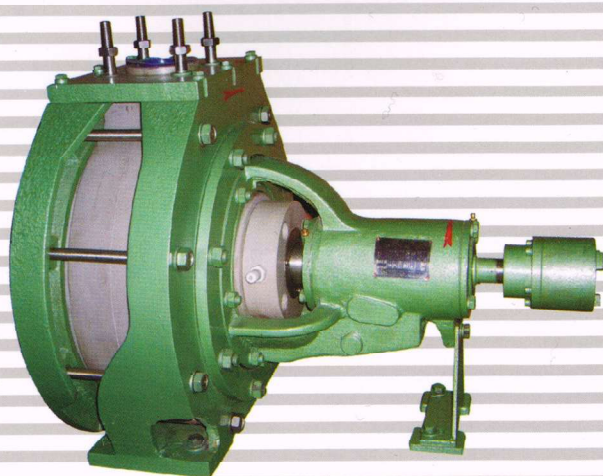


■ 主要零部件名称 Main parts name

序号 Series No.	零件名称 Name	序号 Series No.	零件名称 Name	序号 Series No.	零件名称 Name	序号 Series No.	零件名称 Name	序号 Series No.	零件名称 Name
1	油嘴 Grease nipple	5	紧定螺钉 Set screw	9	压套 Pressing sleeve	13	集液 Collected liquid	17	对开环 Flange
2	螺母 Nut	6	电机支座 Motor bracket	10	甩液环 Liquid ring	14	叶轮 Impeller	18	钢丝卡环 Steel snap ring
3	电机 Motor	7	轴 Shaft	11	支座板 Bracket plate	15	涡壳 Volute casing	19	外舌止动垫圈 External tab washer
4	联轴器 Coupling	8	支架 Bracket	12	集注合盖 Collector cover	16	法兰 Flange	20	溢流介质泄流孔 Overflow orifice of leakage medium

■ V100-65-210泵的性能参数 Performance Parameters of V100-65-210 Pump

Type	ϕ mm			$\uparrow$ (m)	 kW	 (r/min)	Model
型号 Model	进口 Inlet	出口 Outlet	流量 Flow m ³ /h	扬程 Head m	电机功率 Motor power kW	转速 Speed r/min	电机型号 Motor model
V100-65-210	100	65	80	10	5.5	1450	Y132S-4
V100-65-210	100	65	100	15	11	1450	Y160M-4



温州市德茵特种防腐设备有限公司

Wenzhou Deyin Special Antisptic Equipment Co.,LTD

地址: 温州市吴桥路吴滨巷20号

电话: 0577-88632320

传真: 0577-88632320

邮编: 325000