

Prior to use, read this manual thoroughly
This series of products have a number of patent protection

YU-2 Series

Corrosion and Abrasion Resistant Submerged Pumps

- Deliver each kind of corrosive clear liquid and slime within 90 °C
- Flow rate: 5~600m³/h



YU-2 series

YU-2-J series

Derived Varieties



YU-1A series



YUF series



YUF series



YUF series



YU-1A-J series



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I. Introduction

The corrosion resistant and wear resistant submerged pump of YU-2 series, its flow passage components are made of the integrally molded the ultra-high molecular weight polyethylene (UHMWPE) with the excellent performance, which is known as the most novel corrosion resistant engineering plastics for pumps, with the most unique advantages shown as follows: Among all the engineering plastics, it has the most excellent abrasion resistance, impact resistance and creep resistance, as well as excellent corrosion resistance, is suitable for conveying acidic and alkaline liquid or slurry in the temperature of the scope of $-20\sim 90^{\circ}\text{C}$.

The pumps of this series have been produced in mass production for over a decade, applied to more than 3000 users and more than 8000 applications, its temperature resistance, corrosion resistance, mechanical stability, wear resistance and efficiency of operating cost are recognized by the user, therefore this product is a stable, mature technology, user- welcomed, stereotyped anticorrosive pump product, called "old scholar" variety by the old users.

The pumps of this series can be widely used in the following industries:

I) Non-ferrous metal hydrometallurgical industry: Especially applicable for the transportation of various acid liquor, alkali liquor, corrosive ore pulp, electrolyte, waste acid, waste water and other mediums used for the hydrometallurgy of the following metals, such as the lead, zinc, gold, silver, copper, manganese, cobalt, rare earth, etc..

II) Sulfuric acid phosphate fertilizer industry: Applicable for the transportation of dilute acid, mother liquor, fluorosilicic acid with silica gel, phosphate slurry and other media.

III) Water treatment environmental industry: Applicable for the transportation of sewage with various impurities.

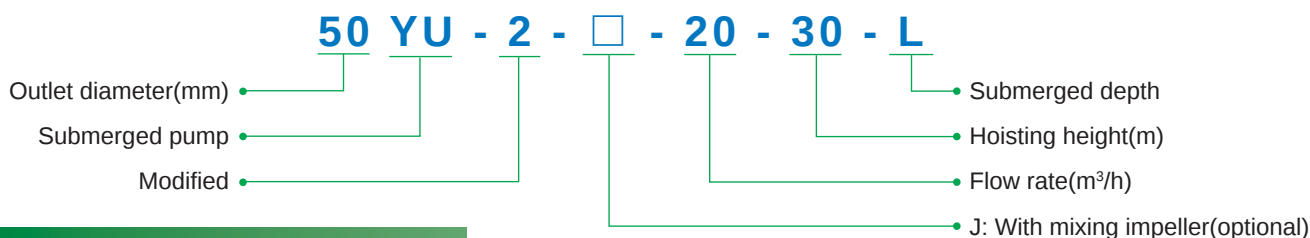
IV) Pesticides, dyestuff and refining industries: Applicable for the transportation of the acid or alkali liquor containing solvent and mixed acid, as well as slurry and acid or alkaline slurry containing solvent.

V) Applicable for the transportation and pump suction of corrosive and non-corrosive liquor or slurry used in the other industrial productions.

The corrosion resistant and wear resistant submerged pump of YU-2-J series is equipped with the mixing propeller at the bottom of YU-2 series submerged pump, so that this pump can convey the liquid and simultaneously stir the submerged sediment. This series pumps are applicable for transporting the slurry of solid phase materials, or cleaning and conveying the sediment in the sewage pool, settling pond and groove containers.

Special notes: if the users have special requirements in terms of corrosion, the pump body, impeller and other components of this series pumps should be fabricated with PVDF, PP or other materials in accordance with the needs of users.

II. Model Meaning



III. Pump Characteristics

3.1 The pump body is moulded in a whole and the connecting cylinder is made of the glass fiber reinforced plastic, which has the excellent anti-corrosion performance and the strength of the steel, therefore the operation of the pump body has excellent stability and reliability. The flow passage components are fabricated with the non-metallic materials and have excellent anticorrosion performance.

3.2 The coarse pitch threaded connection is applied to the connection between the pump body and connecting cylinder and that between the pump body and pump cove, which can facilitate the installation and maintenance. Because the submerged parts are not fixed with the metal fastening screws, there is no worry of the corrosive damage and its overall anticorrosive performance is excellent.

IV. Special Selection Services

4.1 The conventional submerged depths of the submerged pump include four types, namely 0.6 meters, 1.2 meters, 1.5 meters and 1.8 meters. If you have special depth requirements, please specify it when ordering.

4.2 As specified in this manual, the mounting plate of the submerged pump is square, as otherwise required by the user, the round or other shape type mounting plate can be provided according to the demand.

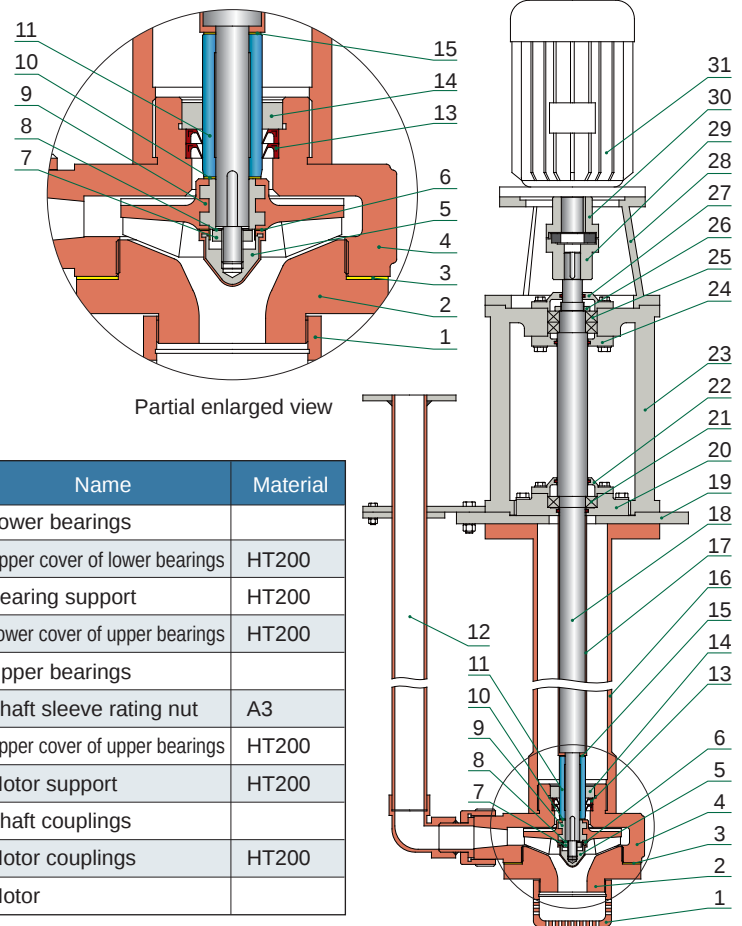
4.3 For the applications which should be used to transport the large particles with high abrasion requirements, please specify it. Our factory can help to choose the impeller and the pump cover fabricated with the special wear-resisting materials, such as polyurethane, alloy steel, etc..

4.4 For the working conditions, for example, the medium containing the fluoride, such as hydrofluoric acid, etc., please specify it so that our factory can provide you with the connecting cylinder suitable for the hydrofluoric acid.

V. Structural Diagram for Pump

5.1 Structure diagram of YU-2 series

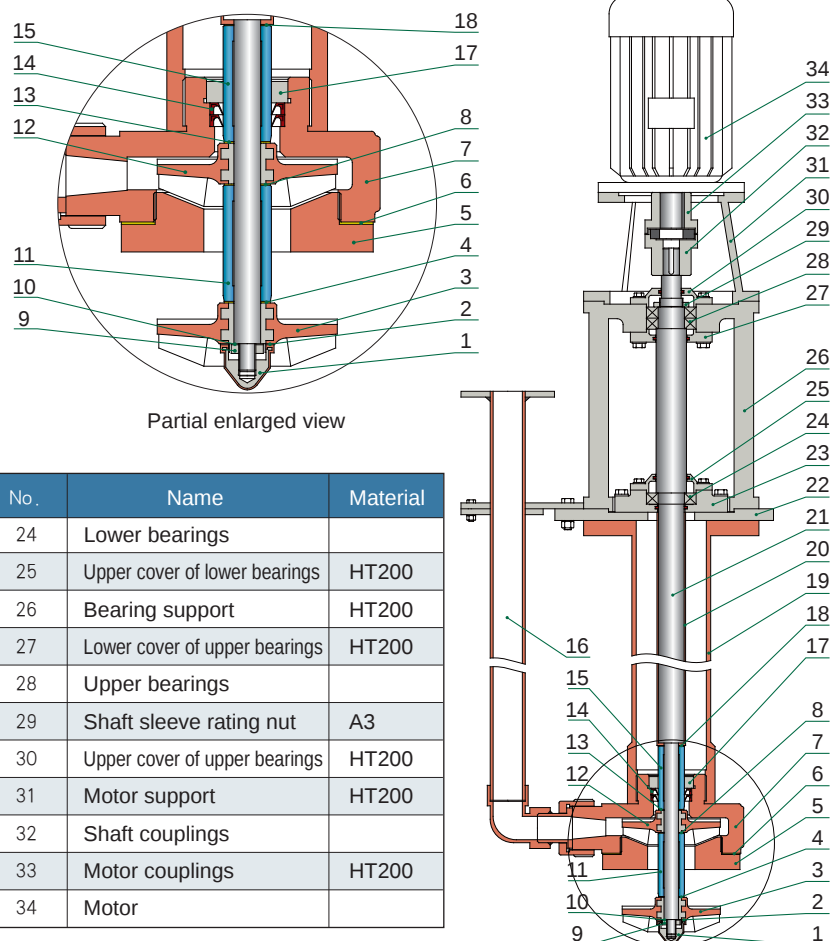
No.	Name	Material
1	Filter cover	PP
2	Pump cover	UHMWPE
3	Pump cover pad	Viton
4	Pump casing	UHMWPE
5	Locking nut	UHMWPE/A3
6	Locking nut pad	Viton
7	Anti-rotation nut	A3
8	Washer	
9	Impeller	UHMWPE
10	Impeller cushion	Viton
11	Shaft sleeve	99 ceramic
12	Outlet pipe	PP/FRP
13	K-type sealing ring	Viton
14	Pin ring	UHMWPE
15	Shaft sleeve pad	Viton
16	Connecting tube	FRP
17	Main shaft sleeve	PP
18	Main shaft	40Cr
19	Assembly board	HT200/A3
20	Lower cover of lower bearings	HT200



No.	Name	Material
21	Lower bearings	
22	Upper cover of lower bearings	HT200
23	Bearing support	HT200
24	Lower cover of upper bearings	HT200
25	Upper bearings	
26	Shaft sleeve rating nut	A3
27	Upper cover of upper bearings	HT200
28	Motor support	HT200
29	Shaft couplings	
30	Motor couplings	HT200
31	Motor	

5.2 Structure diagram of YU-2-J series

No.	Name	Material
1	Locking nut	UHMWPE/A3
2	Locking nut pad	Viton
3	Mixing impeller	UHMWPE
4	Mixing impeller cushion	Viton
5	Pump cover	UHMWPE
6	Pump cover pad	Viton
7	Pump casing	UHMWPE
8	Lower shaft sleeve pad	Viton
9	Anti-rotation nut	A3
10	Washer	
11	Lower shaft sleeve	99 ceramic
12	Impeller	UHMWPE
13	Impeller cushion	Viton
14	K-type sealing ring	Viton
15	Upper shaft sleeve	99 ceramic
16	Outlet pipe	PP/FRP
17	Pin ring	UHMWPE
18	Upper shaft sleeve shim	Viton
19	Connecting tube	FRP
20	Main shaft sleeve	PP
21	Main shaft	40Cr
22	Assembly board	HT200/A3
23	Lower cover of lower bearings	HT200



No.	Name	Material
24	Lower bearings	
25	Upper cover of lower bearings	HT200
26	Bearing support	HT200
27	Lower cover of upper bearings	HT200
28	Upper bearings	
29	Shaft sleeve rating nut	A3
30	Upper cover of upper bearings	HT200
31	Motor support	HT200
32	Shaft couplings	
33	Motor couplings	HT200
34	Motor	

VI. Performance Parameters

No.	Model	Clean water performance				Outlet Diameter (mm)	Weight (kg)
		Flow Rate (m³/h)	Hoisting Height (m)	Rotation Speed (r/min)	Motor Power (kw)		
1	25YU-2-4-22	4	22	2900	1.1	25	75
2	25YU-2-5-20	5	20	2900	1.1	25	75
3	25YU-2-6.5-17	6.5	17	2900	1.1	25	75
4	25YU-2-6.4-21	6.4	21	2900	1.5	25	75
5	25YU-2-8-18	8	18	2900	1.5	25	75
6	25YU-2-10.4-14	10.4	14	2900	1.5	25	75
7	25YU-2-8-22	8	22	2900	2.2	25	75
8	25YU-2-10-20	10	20	2900	2.2	25	75
9	25YU-2-13-15	13	15	2900	2.2	25	75
10	32YU-2-10-18	10	18	2900	2.2	32	80
11	32YU-2-15-15	15	15	2900	2.2	32	80
12	32YU-2-18-11	18	11	2900	2.2	32	80
13	32YU-2-8-33	8	33	2900	3	32	80
14	32YU-2-10-30	10	30	2900	3	32	80
15	32YU-2-15-25	15	25	2900	3	32	80
16	40YU-2-20-20	20	20	2900	4	40	135
17	40YU-2-25-18	25	18	2900	4	40	135
18	40YU-2-30-15	30	15	2900	4	40	135
19	40YU-2-12-38	12	38	2900	5.5	40	150
20	40YU-2-20-30	20	30	2900	5.5	40	150
21	40YU-2-25-28	25	28	2900	5.5	40	150
22	40YU-2- II -20-20	20	20	1450	4	40	250
23	40YU-2- II -25-18	25	18	1450	5.5	40	250
24	40YU-2- II -25-23	25	23	1450	7.5	40	250
25	40YU-2-M-5-32	5	32	1450	4	40	300
26	40YU-2-M-8-32	8	32	1450	4	40	300
27	40YU-2-M-10-32	10	32	1450	5.5	40	300
28	40YU-2-M-15-30	15	30	1450	5.5	40	300
29	50YU-2-30-25	30	25	2900	5.5	50	190
30	50YU-2-35-20	35	20	2900	5.5	50	190
31	50YU-2-40-15	40	15	2900	5.5	50	190
32	50YU-2-24-33	24	33	2900	7.5	50	200
33	50YU-2-30-30	30	30	2900	7.5	50	200
34	50YU-2-40-20	40	20	2900	7.5	50	200
35	50YU-2- II -25-13	25	13	1450	3	50	250
36	50YU-2- II -30-15	30	15	1450	5.5	50	250
37	50YU-2- II -30-20	30	20	1450	5.5	50	250
38	50YU-2- II -40-15	40	15	1450	5.5	50	250
39	50YU-2- II -30-25	30	25	1450	5.5	50	250
40	50YU-2- II -20-27	20	27	1450	5.5	50	250
41	50YU-2-15-28	15	28	2900	5.5	50	330
42	50YU-2-30-25	30	25	2900	7.5	50	330
43	50YU-2-30-45	30	45	2900	15	50	330
44	50YU-2-10-40	10	40	2900	5.5	50	330
45	50YU-2-M-15-32	15	32	1450	5.5	50	300
46	50YU-2-M-20-32	20	32	1450	7.5	50	300
47	50YU-2-M-25-30	25	30	1450	7.5	50	300
48	50YU-2-M-30-27	30	27	1450	7.5	50	300
49	65YU-2-40-20	40	20	2900	7.5	65	200
50	65YU-2-45-18	45	18	2900	7.5	65	200
51	65YU-2-50-15	50	15	2900	7.5	65	200
52	65YU-2-40-35	40	35	2900	11	65	280
53	65YU-2-45-32	45	32	2900	11	65	280
54	65YU-2-50-30	50	30	2900	11	65	280
55	65YU-2-60-30	60	30	2900	15	65	320
56	65YU-2-45-50	45	50	2900	15	65	320
57	65YU-2-40-45	40	45	2900	15	65	320
58	65YU-2- II -50-15	50	15	1450	11	65	350
59	65YU-2- II -30-30	30	30	1450	11	65	350
60	65YU-2- II -40-25	40	25	1450	7.5	65	350
61	65YU-2- II -50-20	50	20	1450	7.5	65	350
62	65YU-2- II -35-25	35	25	1450	7.5	65	350
63	65YU-2-30-50	30	15	2900	15	65	330
64	65YU-2-30-30	30	30	2900	11	65	330
65	65YU-2-20-50	20	50	2900	15	65	330
66	65YU-2-20-55	20	55	2900	15	65	330
67	65YU-2-40-50	40	50	2900	22	65	330
68	65YU-2-M-20-40	20	40	1450	11	65	390
69	65YU-2-M-30-40	30	40	1450	15	65	390
70	65YU-2-M-30-42	30	42	1450	15	65	390

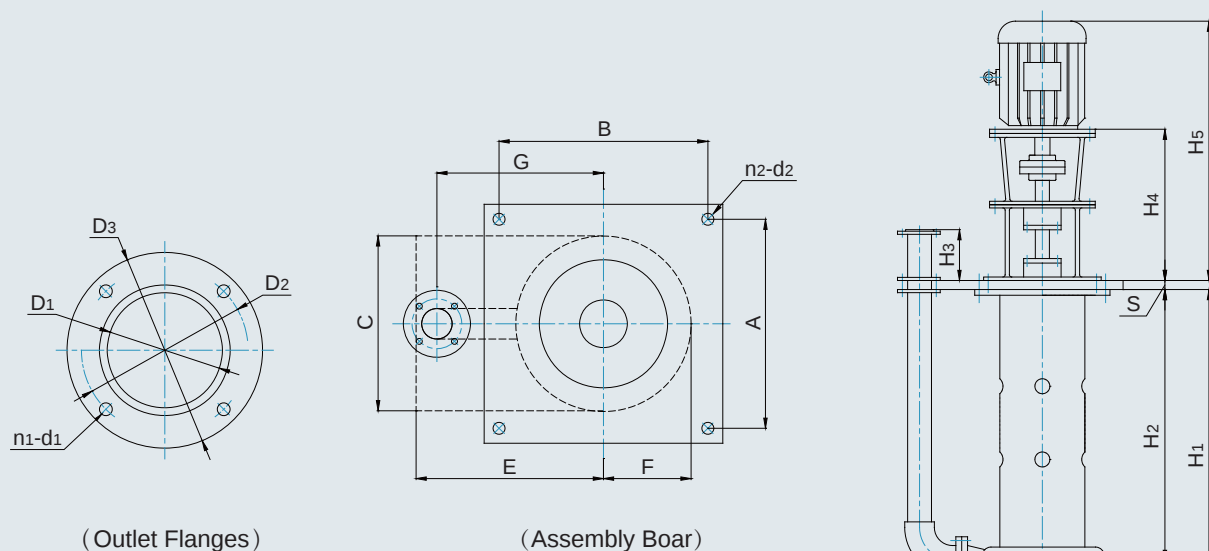
No.	Model	Clean water performance				Outlet Diameter (mm)	Weight (kg)
		Flow Rate (m³/h)	Hoisting Height (m)	Rotation Speed (r/min)	Motor Power (kW)		
71	80YU-2-50-32	50	32	2900	15	80	320
72	80YU-2-60-30	60	30	2900	15	80	320
73	80YU-2-72-27	72	27	2900	15	80	320
74	80YU-2-50-50	50	50	2900	18.5	80	350
75	80YU-2-60-45	60	45	2900	18.5	80	350
76	80YU-2-80-35	80	35	2900	18.5	80	350
77	80YU-2-50-55	50	55	2900	22	80	370
78	80YU-2-60-50	60	50	2900	22	80	370
79	80YU-2-70-45	70	45	2900	22	80	370
80	80YU-2-50-30	50	30	2900	11	80	330
81	80YU-2-100-30	100	30	2900	22	80	350
82	80YU-2- II -80-22	80	22	1450	15	80	350
83	80YU-2- II -100-20	100	20	1450	18.5	80	350
84	80YU-2- II -60-24	60	24	1450	11	80	350
85	80YU-2-M-60-40	60	40	1450	18.5	80	390
86	80YU-2-M-50-40	50	40	1450	15	80	390
87	80YU-2-M-60-30	60	30	1450	15	80	390
88	80YU-2-M-40-45	40	45	1450	15	80	390
89	80YU-2-M-30-47	30	47	1450	11	80	390
90	100YU-2-60-38	60	38	2900	18.5	100	320
91	100YU-2-100-20	100	20	2900	15	100	320
92	100YU-2-120-15	120	15	2900	15	100	320
93	100YU-2-140-10	140	10	2900	15	100	320
94	100YU-2-100-25	100	25	2900	18.5	100	350
95	100YU-2-120-20	120	20	2900	18.5	100	350
96	100YU-2-140-15	140	15	2900	18.5	100	350
97	100YU-2-100-36	100	36	2900	30	100	420
98	100YU-2-120-28	120	28	2900	30	100	420
99	100YU-2-145-28	145	28	2900	30	100	420
100	100YU-2-120-25	120	25	2900	22	100	480
101	100YU-2-140-18	140	18	2900	22	100	480
102	100YU-2-150-15	150	15	2900	22	100	480
103	100YU-2-100-40	100	40	2900	37	100	500
104	100YU-2-120-35	120	35	2900	37	100	500
105	100YU-2-140-25	140	25	2900	37	100	500
106	100YU-2-120-32	120	32	2900	37	100	500
107	100YU-2-140-30	140	30	2900	37	100	500
108	100YU-2-160-24	160	24	2900	37	100	500
109	100YU-2-100-40	100	40	1450	45	100	550
110	125YU-2-120-25	120	25	1450	30	125	510
111	125YU-2-135-22	135	22	1450	30	125	510
112	125YU-2-150-20	150	20	1450	30	125	510
113	125YU-2-180-30	180	30	1450	37	125	550
114	125YU-2-190-28	190	28	1450	37	125	550
115	125YU-2-210-26	210	26	1450	37	125	550
116	125YU-2-165-10	165	10	980	15	125	480
117	125YU-2-150-40	50	40	1450	45	125	550
118	125YU-2-120-50	120	50	1450	45	125	550
119	125YU-2-85-25	85	25	1450	18.5	125	480
120	150YU-2-160-32	160	32	1450	37	150	550
121	150YU-2-200-25	200	25	1450	37	150	550
122	150YU-2-270-20	270	20	1450	37	150	550
123	150YU-2-200-32	200	32	1450	45	150	580
124	150YU-2-250-25	250	25	1450	45	150	580
125	150YU-2-300-25	300	25	1450	45	150	580
126	150YU-2-260-34	260	34	1450	55	150	650
127	150YU-2-300-30	300	30	1450	55	150	650
128	150YU-2-350-25	350	25	1450	55	150	650
129	150YU-2-250-45	250	45	1450	75	150	720
130	200YU-2-200-37	200	37	1450	75	150	750
131	200YU-2-350-30	350	30	1450	75	150	750
132	200YU-2-350-25	350	25	1450	45	150	650
133	200YU-2-400-18	400	18	1450	45	150	650
134	200YU-2-450-12	450	12	1450	45	150	650
135	200YU-2-300-28	300	28	1450	75	150	580
136	200YU-2- II -250-35	250	35	1450	55	150	650
137	200YU-2- II -300-32	300	32	1450	55	150	650

Note: 1. The performance parameters of YU-2-J series are the same as YU-2 series.

2. The shaft power in the list is of the power shaft when the density is $\gamma=1$; when the electric motor is provided, the selected power is equal to or greater than shaft power $\times \gamma$ (specific gravity of material).

VII. Overall and Installation Dimensions

7.1 Installment drawing



7.2 Installation dimensions

No.	Model	Motor (KW)	Outlet Flange (mm)				Dimensions (mm)					Assembly Boar (mm)				Plug-in Size (mm)			
			D ₁	D ₂	D ₃	n ₁ .d ₁	H ₁	H ₂	H ₃	H ₄	H ₅	A	B	S	n ₂ .d ₂	C	E	F	G
1~3	25YU-2	1.1KW-2	25	85	115	4-Φ14	1230	1080	130	410	625	290	290	20	4-Φ20	230	290	115	245
4~6	25YU-2	1.5KW-2	25	85	115	4-Φ14	1230	1080	130	410	660	290	290	20	4-Φ20	230	290	115	245
7~9	25YU-2	2.2KW-2	25	85	115	4-Φ14	1230	1080	130	410	685	290	290	20	4-Φ20	230	290	115	245
10~12	32YU-2	2.2KW-2	32	100	140	4-Φ18	1230	1080	130	410	685	290	290	20	4-Φ20	230	290	115	245
13~15	32YU-2	3KW-2	32	100	140	4-Φ18	1230	1080	130	415	720	290	290	20	4-Φ20	230	290	115	230
16~18	40YU-2	4KW-2	40	110	150	4-Φ18	1155	1000	170	555	880	350	350	22	4-Φ20	280	325	140	275
19~21	40YU-2	5.5KW-2	40	110	150	4-Φ18	1155	1000	170	555	935	350	350	22	4-Φ20	280	325	140	275
22	40YU-2- II	4KW-4	40	110	150	4-Φ18	1540	1270	230	660	985	475	665	25	6-Φ22	440	425	225	360
23	40YU-2- II	5.5KW-4	40	110	150	4-Φ18	1540	1270	230	660	1080	475	665	25	6-Φ22	440	425	225	360
24	40YU-2- II	7.5KW-4	40	110	150	4-Φ18	1540	1270	230	660	1040	475	665	25	6-Φ22	440	425	225	360
25,26	40YU-2-M	4KW-4	40	110	150	4-Φ18	1455	1270	230	660	985	580	740	25	6-Φ22	495	440	255	395
27,28	40YU-2-M	5.5KW-4	40	110	150	4-Φ18	1455	1270	230	660	1040	580	740	25	6-Φ22	495	440	255	395
29~31	50YU-2	5.5KW-2	50	125	165	4-Φ18	1200	1000	170	555	935	350	350	26	4-Φ25	310	355	155	305
32~34	50YU-2	7.5KW-2	50	125	165	4-Φ18	1200	1000	170	555	935	350	350	26	4-Φ25	310	355	155	305
35	50YU-2- II	3KW-4	50	125	165	4-Φ18	1540	1270	230	660	965	475	665	25	6-Φ22	440	425	225	365
36~40	50YU-2- II	5.5KW-4	50	125	165	4-Φ18	1540	1270	230	660	1040	475	665	25	6-Φ22	440	425	225	365
41,42	50YU-2	7.5KW-2	50	125	165	4-Φ18	1155	1000	170	555	935	350	350	22	4-Φ20	280	325	140	275
43	50YU-2	11~15KW-2	50	125	165	4-Φ18	1220	1000	300	685	1160	480	665	25	6-Φ22	400	400	200	365
44	50YU-2	5.5KW-2	50	125	165	4-Φ18	1220	1000	300	660	1040	480	665	25	6-Φ22	400	400	200	365
45	50YU-2-M	5.5KW-4	50	125	165	4-Φ18	1500	1310	230	660	1040	580	740	25	6-Φ22	495	440	255	395
46~48	50YU-2-M	7.5KW-4	50	125	165	4-Φ18	1500	1310	230	660	1080	580	740	25	6-Φ22	495	440	255	395
49~51	65YU-2	7.5KW-2	65	145	185	4-Φ18	1200	995	230	555	935	390	390	26	4-Φ25	340	385	175	335
52~57,64	65YU-2	11~15	65	145	185	4-Φ18	1200	995	230	600	1070	390	390	26	4-Φ25	340	385	175	335
58,59	65YU-2- II	11KW-4	65	145	185	4-Φ18	1540	1270	230	690	1160	475	665	25	6-Φ22	440	425	225	365
60~62	65YU-2- II	7.5KW-4	65	145	185	4-Φ18	1540	1270	230	660	1080	475	665	25	6-Φ22	440	425	225	365
63,65,66	65YU-2	11~15KW-2	65	145	185	4-Φ18	1500	1275	300	685	1160	480	665	25	6-Φ22	400	400	200	365
67	65YU-2	22KW-2	65	145	185	4-Φ18	1500	1275	300	690	1230	480	665	25	6-Φ22	400	400	200	365
68~70	65YU-2-M	11~15KW-4	65	145	185	4-Φ18	1535	1300	230	735	1240	740	850	25	6-Φ22	610	540	295	475
71~73	80YU-2	15KW-2	80	160	200	8-Φ18	1510	1290	230	740	1230	560	780	25	6-Φ23	355	465	180	400
74~76	80YU-2	18.5KW-2	80	160	200	8-Φ18	1510	1290	230	740	1280	440	625	25	6-Φ22	355	465	180	350
77~79	80YU-2	22KW-2	80	160	200	8-Φ18	1510	1290	230	740	1300	440	625	25	6-Φ22	355	465	180	350
80	80YU-2	11KW-2	80	160	200	8-Φ18	1500	1280	300	685	1160	480	665	25	6-Φ22	400	400	200	355
81	80YU-2	22KW-2	80	160	200	8-Φ18	1510	1290	300	735	1330	440	625	25	6-Φ22	355	385	190	350
82	80YU-2- II	15KW-4	80	160	200	8-Φ18	1535	1300	230	735	1295	660	840	25	6-Φ22	535	550	255	480
83	80YU-2- II	18.5KW-4	80	160	200	8-Φ18	1535	1300	230	735	1325	660	840	25	6-Φ22	540	550	255	480

No.	Model	Motor (KW)	Outlet Flange (mm)				Dimensions (mm)					Assembly Boar (mm)				Plug-in Size (mm)			
			D ₁	D ₂	D ₃	n ₁ .d ₁	H ₁	H ₂	H ₃	H ₄	H ₅	A	B	S	n ₂ .d ₂	C	E	F	G
84	80YU-2- II	11KW-4	80	160	200	8-Φ18	1535	1300	230	735	1240	660	840	25	6-Φ22	540	550	255	480
85	80YU-2-M	18.5KW-4	80	160	200	8-Φ18	1535	1300	230	735	1295	740	850	25	6-Φ22	610	540	295	490
86~88	80YU-2-M	15KW-4	80	160	200	8-Φ18	1535	1300	230	735	1240	740	850	25	6-Φ22	610	560	295	490
89	80YU-2-M	11KW-4	80	160	200	8-Φ18	1535	1300	230	735	1300	740	850	25	6-Φ22	610	540	295	490
90	100YU-2	18.5KW-2	100	180	220	8-Φ18	1510	1290	230	740	1280	560	780	25	6-Φ22	355	475	180	400
91	100YU-2	15KW-2	100	180	220	8-Φ18	1510	1290	230	740	1230	560	780	25	6-Φ22	355	385	180	350
92,93	100YU-2	15KW-2	100	180	220	8-Φ18	1780	1300	230	740	1230	560	780	25	6-Φ23	420	475	215	400
94~96	100YU-2	18.5KW-2	100	180	220	8-Φ18	1580	1300	230	740	1280	560	780	25	6-Φ23	420	475	215	400
97~99	100YU-2	30KW-2	100	180	220	8-Φ18	1580	1300	230	760	1425	560	780	25	6-Φ23	420	475	215	400
100~102	100YU-2	22KW-2	100	180	220	8-Φ18	1580	1300	230	740	1300	560	780	25	6-Φ23	420	475	215	400
103~108	100YU-2	37KW-2	100	180	220	8-Φ18	1580	1300	230	760	1425	560	780	25	6-Φ23	420	475	215	400
109	100YU-2	45KW-4	100	180	220	8-Φ18	1700	1160	230	850	1545	655	885	25	10-Φ25	575	580	295	470
110~112	125YU-2	30KW-4	125	210	250	8-Φ18	1700	1160	230	850	1510	655	885	25	10-Φ25	575	580	295	470
113~115	125YU-2	37KW-4	125	210	250	8-Φ18	1700	1160	230	850	1525	655	885	25	10-Φ25	575	580	295	470
116	125YU-2	15KW-6	125	210	250	8-Φ18	1700	1160	230	850	1445	655	885	25	10-Φ25	575	580	295	470
117,118	125YU-2	45KW-4	125	210	250	8-Φ18	1700	1160	230	850	1550	655	885	25	10-Φ25	575	580	295	470
119	125YU-2	18.5KW-4	125	210	250	8-Φ18	1700	1160	230	850	1410	655	885	25	10-Φ25	575	580	295	470
120~122	150YU-2	37KW-4	150	240	285	8-Φ23	1700	1160	230	850	1525	655	885	25	10-Φ25	575	580	295	470
123~125	150YU-2	45KW-4	150	240	285	8-Φ23	1700	1160	230	850	1550	655	885	25	10-Φ25	575	580	295	470
126~128	150YU-2	55KW-4	150	240	285	8-Φ23	1700	1160	230	850	1635	655	885	25	10-Φ25	575	580	295	470
129	150YU-2	75KW-4	150	240	285	8-Φ23	1700	1160	230	850	1710	655	885	25	10-Φ25	575	580	295	470
130,131	200YU-2	75KW-4	150	240	285	8-Φ23	1700	1160	230	850	1710	655	885	25	10-Φ25	575	580	295	470
132~134	200YU-2	45KW-4	150	240	285	8-Φ23	1700	1160	230	850	1550	655	885	25	10-Φ25	575	580	295	470
135	200YU-2	75KW-4	150	240	285	8-Φ23	1700	1160	230	850	1710	655	885	25	10-Φ25	575	580	295	470
136,137	200YU-2- II	55KW-4	150	240	285	8-Φ23	1720	1600	230	845	1635	760	945	26	10-Φ25	620	600	330	490

Note: 1. The plug-in size is the max dimension of the solid part of the pump under the assembly board.

2. The shape and dimension of the assembly board could be made to user's actual requirements.

3. The company reserves the right to technical improvement and size correction, will not notify the user any more.

VIII. Installation and Maintenance Instructions

8.1 Installation and Inspection

Fix the pump vertically on the installation position and connects the outlet pipe. Manually turn the shaft coupling after completed assembling to see if it turns smoothly, if it is not smooth, stuck or with abnormal noise etc., then an open check is required to clear foreign substances to eliminate abnormal noise. Adjust the clearance between the vane and the body by add/remove the vane shims 15 to meet the required clearance of 1 ~ 2mm, and adjust the clearance between the vane and the pump cover by add/remove the cover backing plates 19 to meet the required clearance of 1 ~ 2mm. After the assembling, manually turn the shaft coupling again. Repeat the steps until it turns smoothly before put the pump into use.

8.2 Start

Switch on power and check to see if the engine is running in the direction as indicated on the pump, if not, then rewire the power cord. When the engine is running normally, slowly open the outlet valve to the required working condition.

8.3 Stop

Close the outlet valve then switch off power.

8.4 Disassembly

▲ Disassembly of YU-2 series:

- Remove the outlet pipe 12;
- Unscrew the filter cover 1 (right hand thread) and the pump cover 2, and then remove the pump cover pad 3;
- Unscrew the locking nut 5 and anti-rotation nut 7 and then remove the locking nut pad 6, washer 8, impeller 9, impeller cushion 10 and shaft sleeve 11 in turn;
- Unscrew the pump casing 4 (right hand thread) and the pin ring 14 (left-hand thread), and then remove the K-type sealing ring 13.

▲ The installation sequence is opposite to the dismantling sequence, take special cares to the quantity of the shims of each position to not to over or under place them.

8.5 Notes

The bulk of the pump is made of plastics, so do not make shock and buckle it to avoid unnecessary damage to it.

Zeus Pump is a well-known inland enterprise professionally manufacturing the lining-type and fully plastic type anticorrosive and abrasion-resistant pump. ◇19 series and over 2000 specifications of anticorrosive and abrasion-resistant pumps are provided for selection by the user , with DN600mm for maximal caliber of anticorrosive pump and 6000m³/h for maximal flow for anticorrosive pump. ◇ The company attaches importance to the advancement of science and technology all along as well as holds a hundred of patents nearly and many national new products, which is a Hi-tech enterprise in Jiangsu Province. ◇ The products can meet the conveying demands of different chemical performance, different concentration, different temperature and different complex working conditions as well as are widely used in such industries as chemical industry, dying industry, nonmetallic minerals processing, ferrous smelting and environmental protection; ◇ In 2002, Zeus anticorrosive and abrasion-resistant pump was awarded as famous-brand product for township enterprise in Jiangsu Province. In 2007, the company was awarded as hi-tech enterprise and famous trademark in Jiangsu Province. In addition, the enterprise has been awarded as municipal civilized taxpaying major client in successive 8 years. ◇ Operation philosophy of company: Establish the Market with good Faith; Create the Brand with High Quality; Build the Advantage with Variety; Create the Future with Service.



Other Main Products in this Company



UHB-ZK Series



UHB-UM Series



UHB-UF Series



HFM Series



UHB-HM Series



UT Series



FSZ Series



FS Series



FP Series



RGB Series



UHB-Z Series



IHF Series



FZB Series



FXB-Z Series



UHB-ZK-III Series



UHB-ZK-A Series



FSB Series



FSK Series



PPB Series

A50 new type of anticorrosive and abrasion resistant pipeline

Temperature resistance $\leq 120^{\circ}\text{C}$, abrasion resistance; applicable for conveying various corrosive slurry and clear liquid.



Production License
XK06-003-00176



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