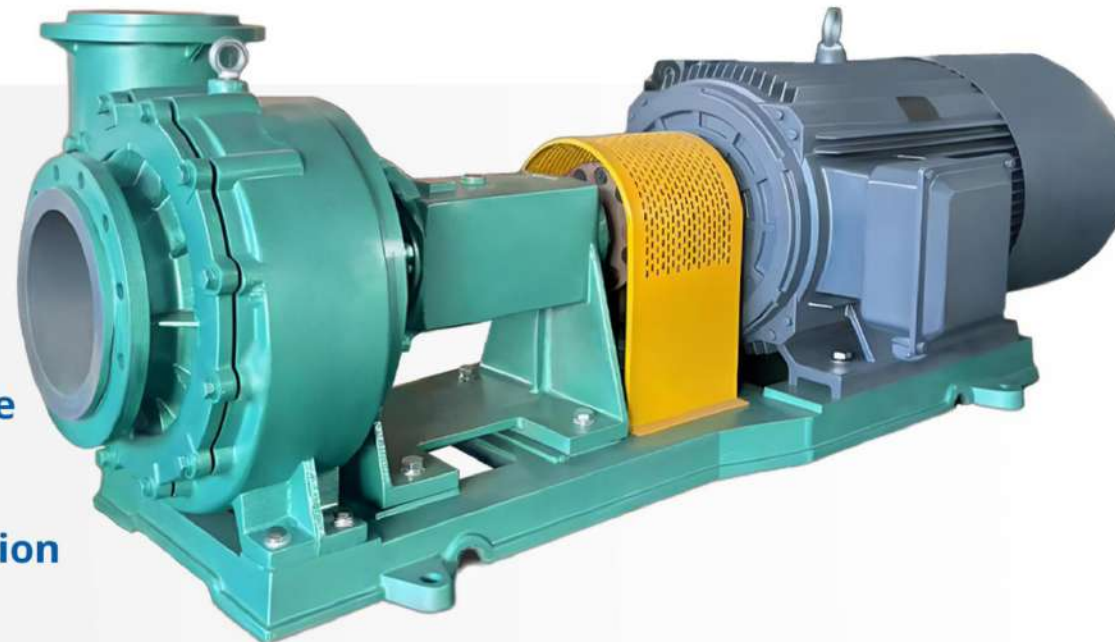


UHB corrosion-resistant, wear-resistant and high-temperature slurry pump

The UHB corrosion-resistant and wear-resistant mortar pump adopts a cantilever single-stage centrifugal structure, equipped with a semi-open impeller and a containerized double-end mechanical seal. It is specially designed for conveying solid/crystallized corrosive media, and has wear resistance, impact resistance, creep resistance and strong corrosion resistance, ensuring high passability and double protection.



- ✓ **Wear and corrosion resistant**
- ✓ **Excellent high temperature resistance**
- ✓ **Energy saving and environmental protection**

Star Products



Innovative design of low speed high pressure pump

At low speed, it can achieve the high pressure demand of 0.6-0.8Mpa, avoid the damage to the pump caused by the traditional high speed of 2900r/min, improve the operation stability, improve the design to reduce the speed while meeting the pressure requirements, reduce mechanical wear and extend the service life of the pump.

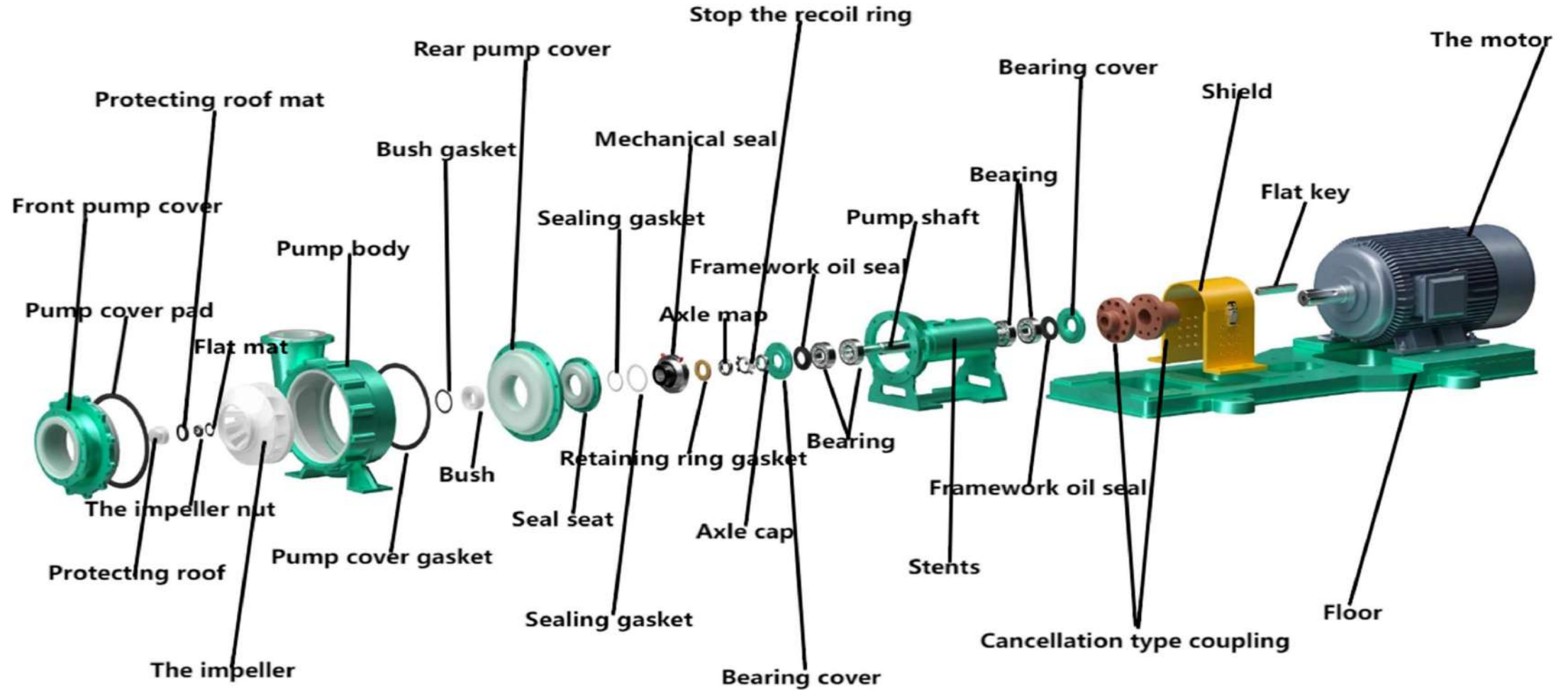
Exclusive mechanical seal design

Exclusive mechanical seal design suitable for transporting high-risk liquids to prevent splashing and leakage

Excellent material, excellent performance

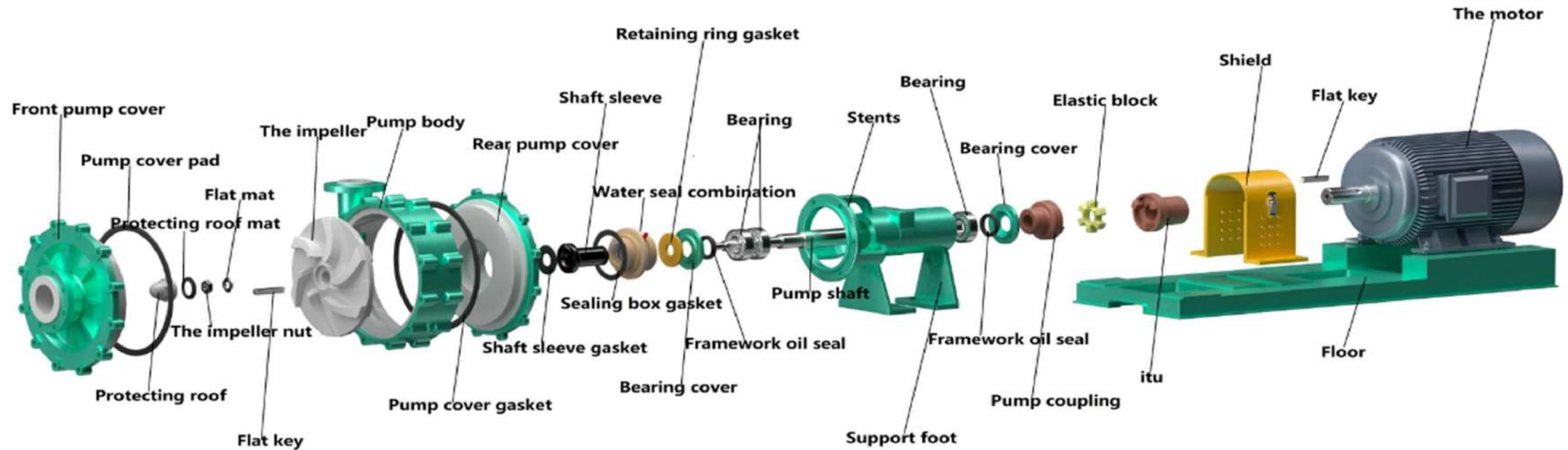
The pump body flow parts have four lining materials to choose from: UHMW-PE, F46, PFA, and ultra-high molecular polyethylene alloy. The advanced patented lining plastic technology and composite strengthening process are used to achieve a high-thickness lining of 8-20mm, which combines corrosion resistance and structural strength, and increases the service life by more than 50%.

Structure Analysis



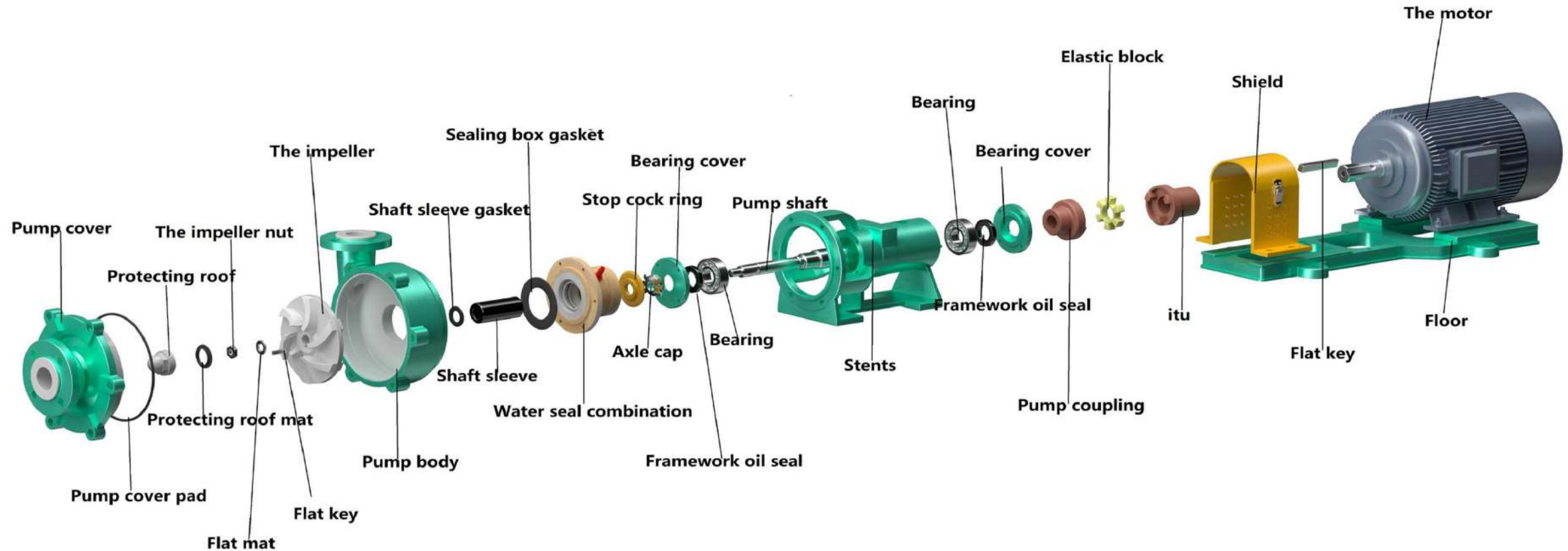
Model applicable to this diagram: 250 with a 4th-level motor

Structure Analysis



Model applicable to this diagram: 65-100 RPM, equipped with a four-speed motor

Structure Analysis

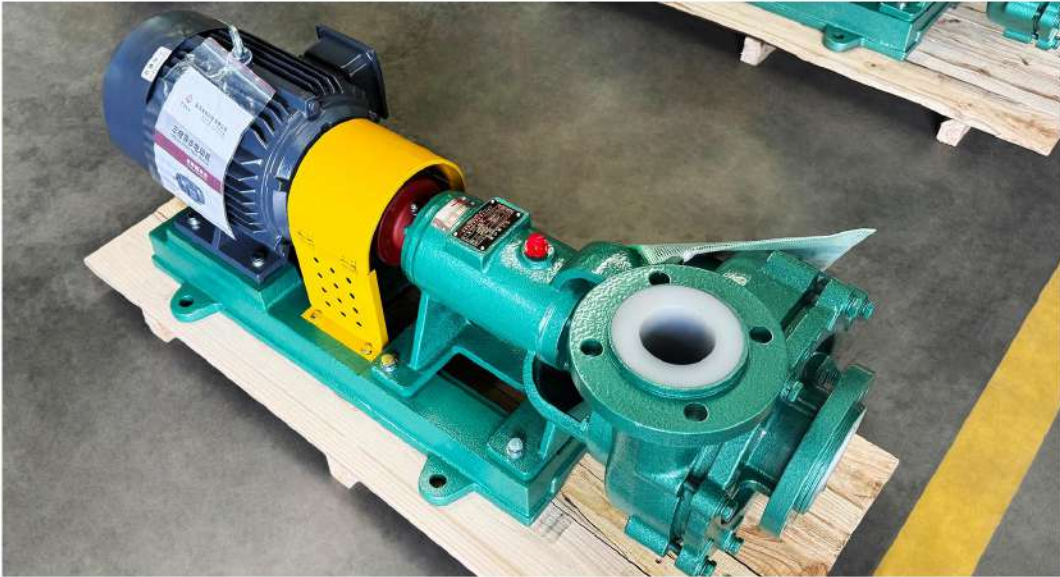


Model applicable to this diagram: 32-125 with a secondary motor

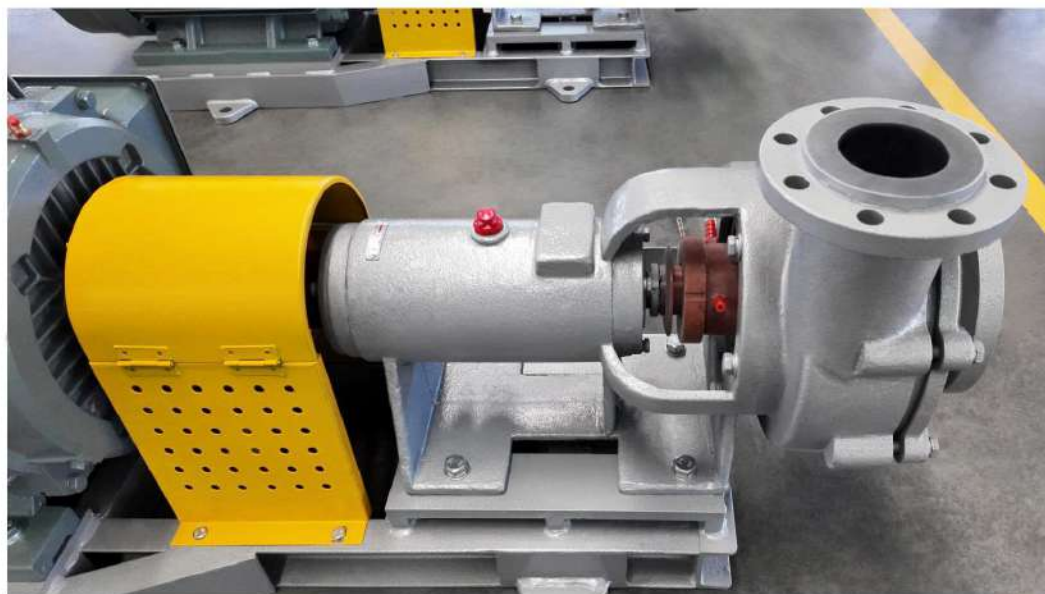
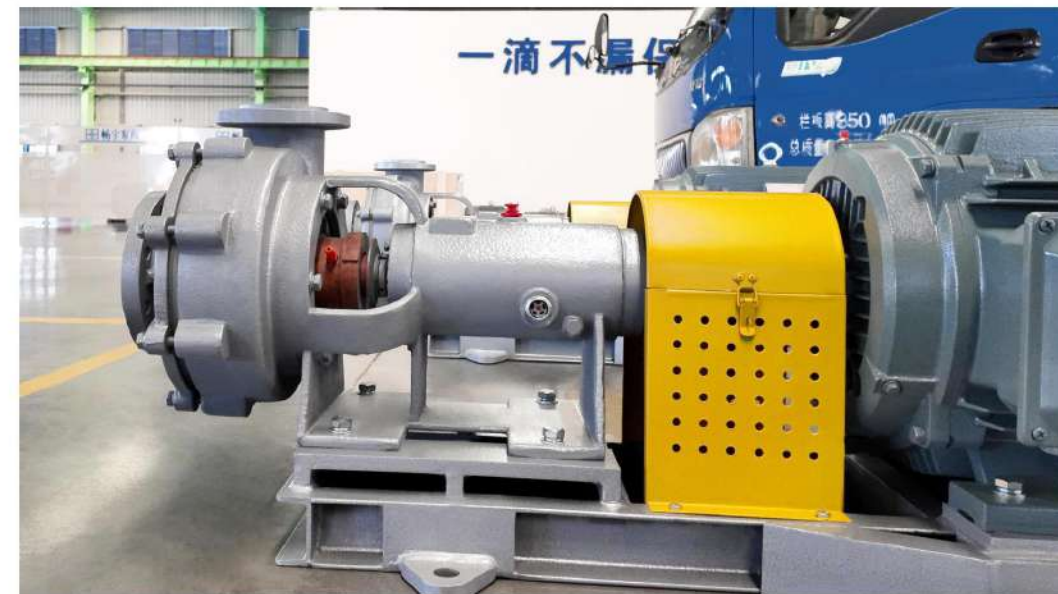
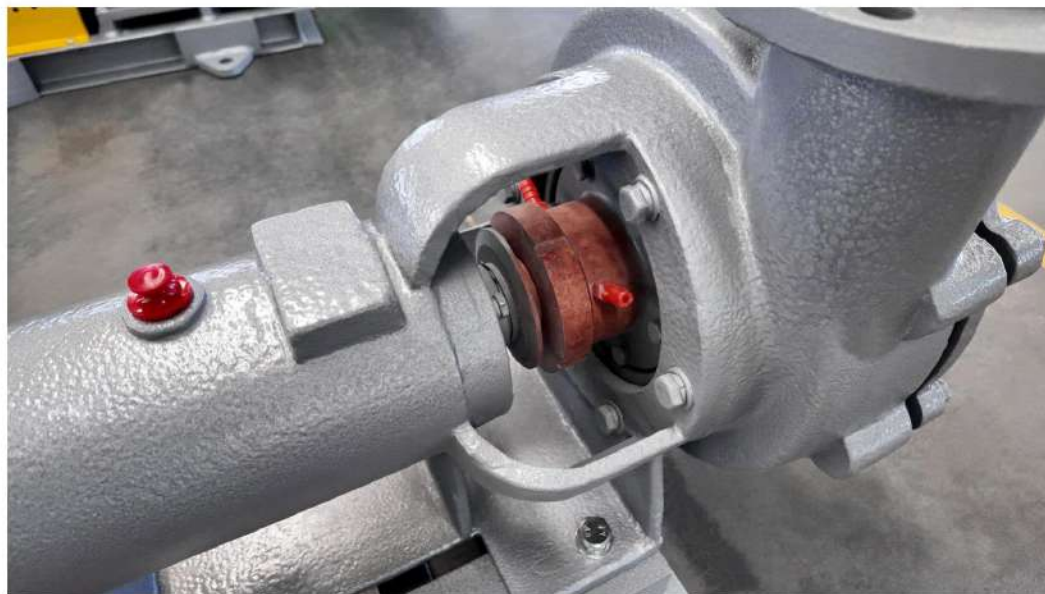
Serial Number	Model number	Flow rate (m³/h)	head (m)	Rotation al speed (r/min)	power		caliber (mm)
					Shaft power	Electric machine (kw)	
1	32UHB-ZKD-5-10L	5	10	2900	0.42	0.75	32*25
2	32UHB-ZKD-10-15L	10	15	2900	1.26	1.5	32*25
3	40UHB-ZKD-10-20L	10	20	2900	1.6	2.2	40*32
4	40UHB-ZKD-10-30L	10	30	2900	2.2	3	40*32
5	50UHB-ZKD-20-20L	20	20	2900	3	4	50*40
6	50UHB-ZKD-20-30L	20	30	2900	4.3	5.5	50*40
7	32UHB-ZKD-5-10	5	10	2900	0.42	0.75	32*25
8	32UHB-ZKD-10-15	10	15	2900	1.26	1.5	32*25
9	40UHB-ZKD-10-20	10	20	2900	1.6	2.2	40*32
10	40UHB-ZKD-10-30	10	30	2900	2.2	3	40*32
11	50UHB-ZKD-20-20	20	20	2900	3	4	50*40
12	50UHB-ZKD-20-30	20	30	2900	4.3	5.5	50*40
13	50UHB-ZKD-20-35	20	35	2900	5.45	7.5	50*40
14	65UHB-ZKD-30-20	30	20	2900	4.32	5.5	65*50
15	65UHB-ZKD-30-30	30	30	2900	6	7.5	65*50
16	65UHB-ZKD-30-40	30	40	2900	9.6	11	65*50
17	65UHB-ZKD-30-50	30	50	2900	12	15	65*50
18	65UHB-ZKD-30-60	30	60	2900	14.4	18.5	65*50
19	65UHB-ZKD-30-65	30	65	2900	15.6	22	65*50
20	80UHB-ZKD-50-15	50	15	2900	4.6	5.5	80*65
21	80UHB-ZKD-50-20	50	20	2900	5.6	7.5	80*65
22	80UHB-ZKD-50-30	50	30	2900	9	11	80*65
23	80UHB-ZKD-50-40	50	40	2900	11.4	15	80*65
24	80UHB-ZKD-50-50	50	50	2900	16	18.5	80*65
25	80UHB-ZKD-50-60	50	60	2900	19	22	80*65
26	80UHB-ZKD-30-80	30	80	2900	24.5	30	80*65
27	100UHB-ZKD-100-10	100	10	2900	11.2	15	100*80
28	100UHB-ZKD-100-20	100	20	2900	16	18.5	100*80
29	100UHB-ZKD-100-30	100	30	2900	17.2	22	100*80
30	100UHB-ZKD-100-40	100	40	2900	23	30	100*80
31	100UHB-ZKD-100-50	100	50	2900	31	37	100*80
32	100UHB-ZKD-50-80	50	80	2900	34	45	100*80

Serial Number	Model number	Flow rate (m³/h)	head (m)	Rotation al speed (r/min)	power		caliber (mm)
					Shaft power	Electric machine (kw)	
33	125UHB-ZKD-120-20	120	20	2900	17.2	22	125*100
34	125UHB-ZKD-140-28	140	28	2900	27.6	30	125*100
35	125UHB-ZKD-140-35	140	35	2900	31.5	37	125*100
36	125UHB-ZKD-140-40	140	40	2900	40	45	125*100
37	125UHB-ZKD-140-60	140	60	2900	50	55	125*100
38	125UHB-ZKD-140-70	140	70	2900	66	75	125*100
39	150UHB-ZKD-150-20	150	20	1450	16.6	22	150*125
40	150UHB-ZKD-150-25	150	25	1450	25.5	30	150*125
41	150UHB-ZKD-150-30	150	30	1450	28	37	150*125
42	150UHB-ZKD-200-30	200	30	1450	34	45	150*125
43	150UHB-ZKD-200-40	200	40	1450	43.5	55	150*125
44	150UHB-ZKD-200-50	200	50	1450	54.5	75	150*125
45	200UHB-ZKD-350-32	350	32	1450	58	75	200*150
46	200UHB-ZKD-400-40	400	40	1450	76	90	200*150
47	200UHB-ZKD-440-36	440	36	1450	95	110	200*150
48	250UHB-ZKD-500-25	500	25	1450	75.3	90	250*200
49	250UHB-ZKD-500-35	500	35	1450	97	110	250*200
50	250UHB-ZKD-600-38	600	38	1450	110.4	132	250*200
51	250UHB-ZKD-600-55	600	55	1450	139	160	250*200
52	300UHB-ZKD-800-28	800	28	1450	122	160	300*250
53	65UHB-ZKD-25-20	25	20	1450	3.5	5.5	65*40
54	65UHB-ZKD-30-32	30	32	1450	5.8	7.5	65*40
55	80UHB-ZKD-35-30	35	30	1450	6.3	7.5	80*65
56	80UHB-ZKD-50-25	50	25	1450	9.3	11	80*65
57	80UHB-ZKD-50-30	50	30	1450	11.2	15	80*65
58	80UHB-ZKD-50-35	50	35	1450	11.2	15	80*65
59	80UHB-ZKD-50-40	50	40	1450	15.6	18.5	80*65
60	80UHB-ZKD-50-45	50	45	1450	19	22	80*65
61	100UHB-ZKD-100-30	100	30	1450	15.72	18.5	100*65
62	100UHB-ZKD-80-40	80	40	1450	17.4	22	100*65
63	100UHB-ZKD-100-50	100	50	1450	24.7	30	100*65
64	100UHB-ZKD-100-20	100	20	1450	10.48	15	100*65

picture from the scene



DETAILS



APPLICATION

Chemical Engineering Used for conveying corrosive media such as sulfuric acid and hydrochloric acid, as well as slurries.

Non-Ferrous Metal Smelting It is suitable for transporting acid solutions, slurries, electrolytes, and wastewater during the hydrometallurgical processes of metals such as lead and zinc.

Fertilizer Used for conveying dilute acids, mother liquor, fluosilicic acid, and phosphoric acid slurry.

Water Treatment and Environmental Protection Various types of wastewater, such as leather, electroplating, and domestic sewage.

Titanium Dioxide Production Used for acid dissolution, precipitation, and other processes

Steel Smelting Used in pickling systems for conveying sulfuric acid, hydrochloric acid, and impurity-containing wastewater.



Titanium Dioxide



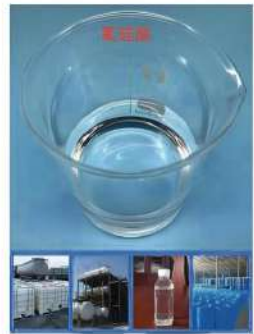
Steel Smelting



H₂SO₄



Lead-zinc ore powder



Fluosilicic Acid



Electroplating wastewater

K-type dynamic seal

The K-type dynamic seal consists of a fluorine oil seal and a silicon carbide sleeve. The primary seal type is a combination of the inner lip of the fluorine oil seal and the silicon carbide sleeve.

When conveying slurries containing particles, the rotation of the impeller's auxiliary blades creates negative pressure, which causes a micro-separation between the fluorine oil seal and the sleeve, reducing friction and extending seal life. Cooling water cools the silicon carbide sleeve, preventing heat damage to the pump seal.



WB2 single end mechanical seal

The (WB2) externally mounted single-end mechanical seal is easy to adjust and has a temperature resistance of up to 110°C.

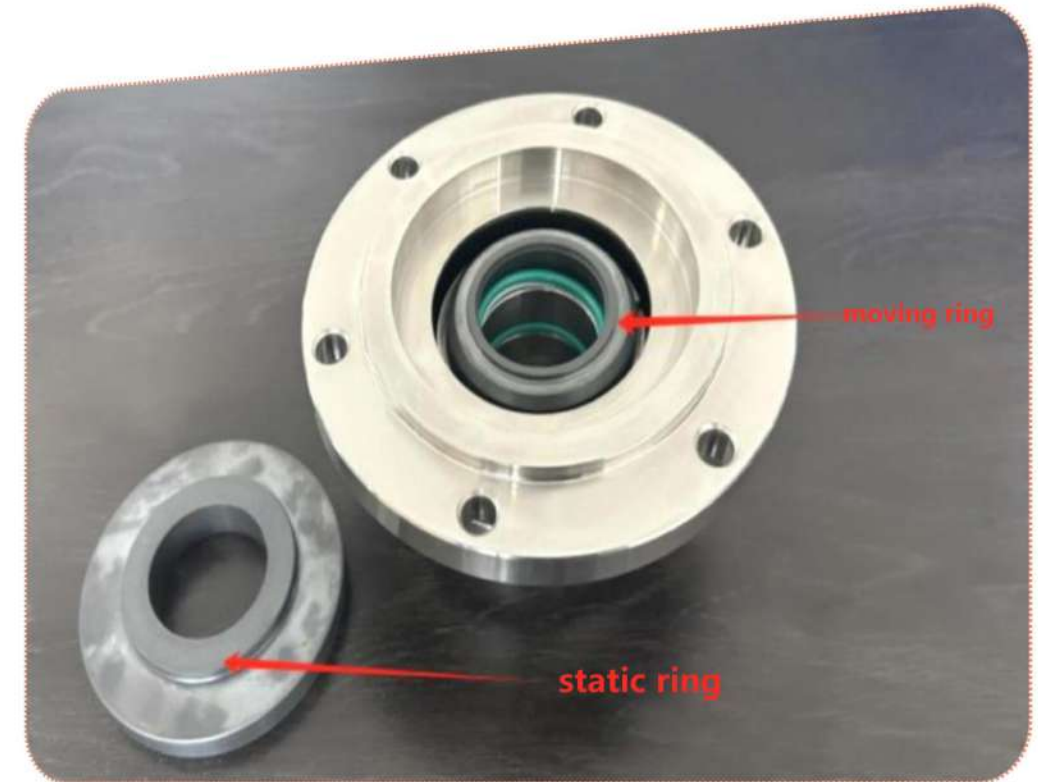
It is suitable for conveying abrasive and corrosive liquids containing small amounts of particles and crystals, and is widely used in various chemical fields.



Cartridge double mechanical seal

Dual dynamic and static rings are arranged on both sides of the pump shaft, forming a double sealing barrier. A barrier fluid (such as coolant) is introduced into the seal chamber for lubrication, cooling, and pressure balance, making it suitable for use with media containing particles or corrosive media.

Spring preload ensures proper seal contact and compensates for wear and deformation. The barrier fluid pressure is higher than the media pressure, achieving a "zero-leakage" seal.



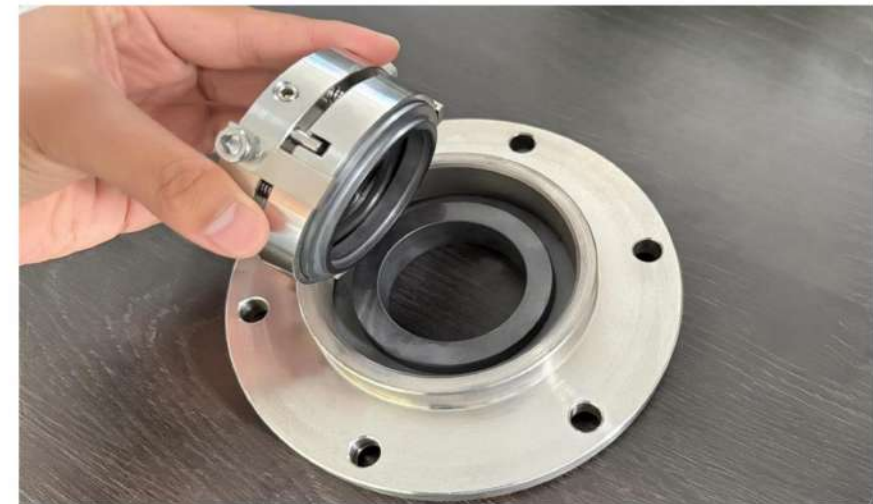
ZSJ single end mechanical seal

The independently developed ZSJ series externally mounted single-ended mechanical seal consists of a static ring, a dynamic ring, and an O-ring.

While the spring compensation pressure of a standard WB2 mechanical seal is 5 kg, the ZSJ mechanical seal spring has a compensation pressure of 10 kg, resulting in a tighter seal, greater pressure resistance, and a service life 1.5 times longer than that of a standard WB2 mechanical seal.

The seal gland design improves the fit between the static ring and the gland, and the extended edge prevents liquid from splashing out and injuring people, enhancing safety.

An O-ring seal behind the dynamic ring prevents impurities from entering the seal. The spring compensation is located inside the seal, preventing impurities from entering and affecting the spring compensation pressure.



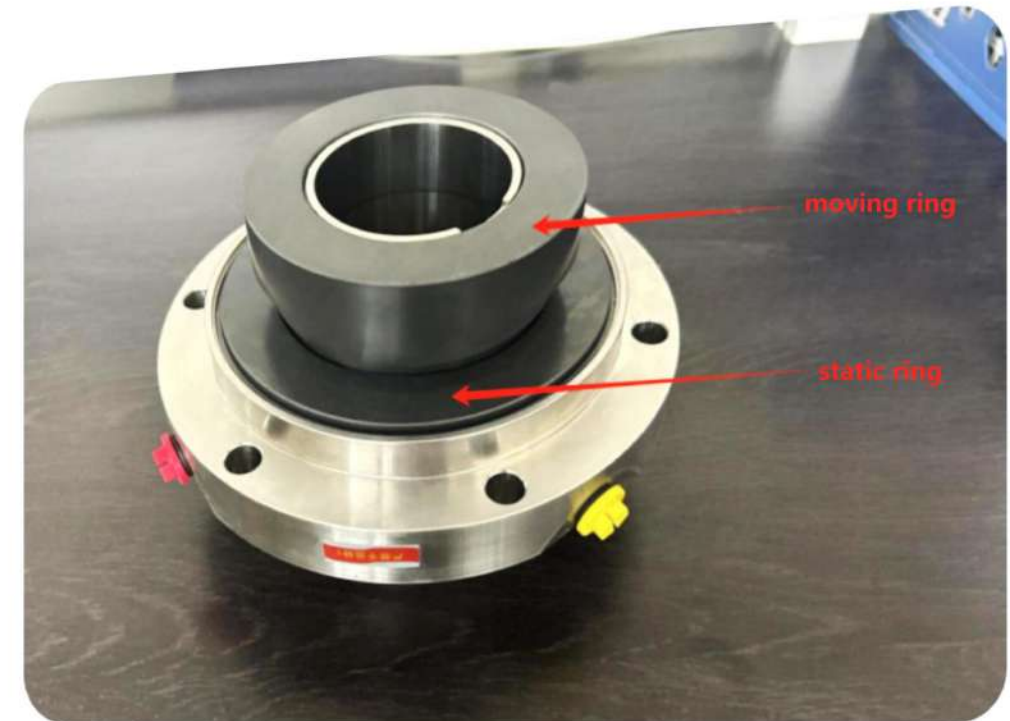
ZKN series cartridge double mechanical seals

This mechanical seal differs from conventional double-face mechanical seals in that its outermost ring is a rotating ring that rotates in close proximity to the impeller.

This mechanical seal features a sleeveless design, reducing operating costs.

The lifespan of the mechanical seal is closely related to the medium within the pump. When the pump operates and pressure is generated, the seal's outer rings adhere tightly. The greater the pressure, the tighter the seal's moving and static rings fit.

This significantly reduces the possibility of impurities or material from the pump entering the friction surfaces of the moving and static rings, further extending the seal's lifespan.





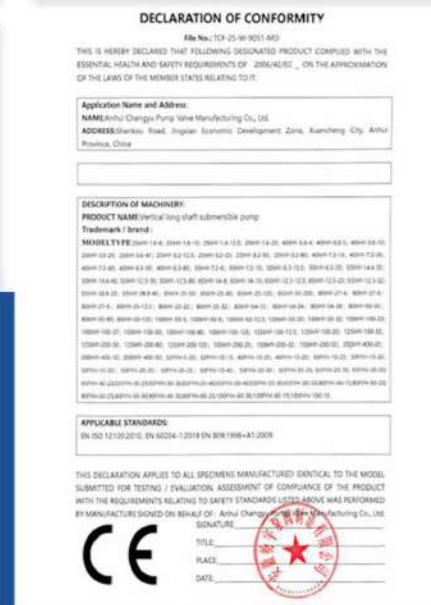
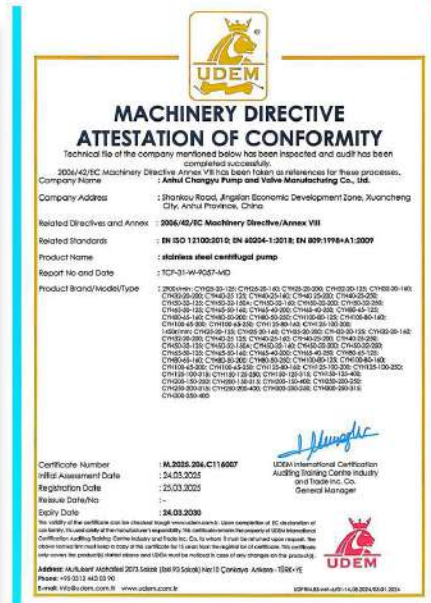
PATENT CERTIFICATE

After years of unremitting efforts, the R&D team has successfully made breakthroughs in a number of key technologies and obtained a number of high-value patents, significantly promoting technological progress in the industry.



ENTERPRISE CERTIFICATION

National and regional certification authority



Factory Exhibition

CHANGYU
PUMP CUSTOMIZATION EXPERT

