0571-86018288
www.conilowa.com

Conilowa
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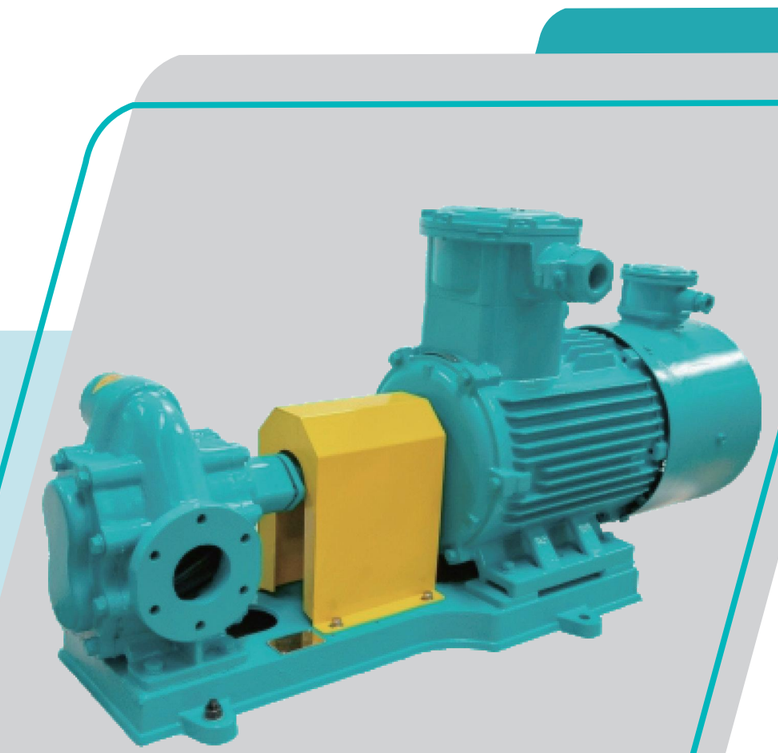

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Conilowa (Hangzhou) Industrial Equipment Co., Ltd.

GEAR PUMP

Conilowa
克尼罗瓦

PACESETTER OF FLUID EQUIPMENT IN THE WORLD

Conilowa
克尼罗瓦

Contents

Enterprise Profile

Conilowa (Hangzhou) Industrial Equipment Co., Ltd., owned by Depamu and located in Qiantang District, Hangzhou, is a high-tech enterprise integrating R&D, production and sales with main products including gear pumps, screw pumps (one/two/three-screw), lobe pumps (rubber/metal), peristaltic pumps (flexible tube pumps), emulsification pumps, etc.

Through introduction of advanced technologies from Germany, the company has been devoted to research and development of fluid transfer equipment since establishment, and has successfully applied for over 100 technical patents by means of continuous innovations. The company has passed API, CE, EAC, ISO 9001, ISO 14001 and ISO 45001 certifications; at the same time, it serves as a drafter of industry standards and is awarded the National Key "Little Giant" Honor for Specialized, Sophisticated, Distinctive and Innovative SMEs.

Presently, company products have been widely applied to industries of oil & gas field exploitation, petroleum and gas refining and transportation as well as nuclear power, military, chemical, electricity, pulp & paper, pharmaceutical, food, new energy, environmental protection, water treatment, etc. Based on establishment of long-term strategic partnerships with large-scale enterprises like CNPC, SINOPEC, CNOOC, CNNC, etc., products have been exported to over 50 countries and regions like America, England, France, Switzerland, India, Brazil, etc. The company aims to be a competitive fluid equipment developer, manufacturer and service supplier in the world.

Enterprise Qualification Certificates

Certificate of National High-tech Enterprise (P. R. C.)

National Key "Little Giant" Honor for Specialized, Sophisticated, Distinctive and Innovative SMEs of the P. R. C.

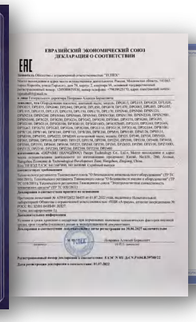
China Pump Testing Center

Certificate of the Major Equipment (1st Set) Product in Zhejiang Province

"Made in Zhejiang" Certificate

API Certificate

CE Certificate



EAC Certificate

"Qualified Supplier of CNNC" Certificate

Production License for Special Equipment (Pressure Pipe Component Manufacture)

Production License for Special Equipment (Pressure Vessel Manufacture)

Production License for Special Equipment (Industrial Pipe Installation)

ISO 14001 Certificate

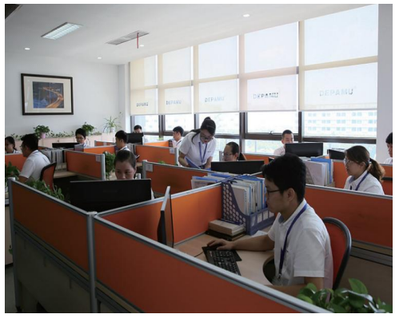
ISO 45001 Certificate

ISO 9001 Certificate

ISO 50001 Certificate

Delicacy Management

▲ Advanced Testing Equipment



▲ Office

▲ Digital Processing Equipment

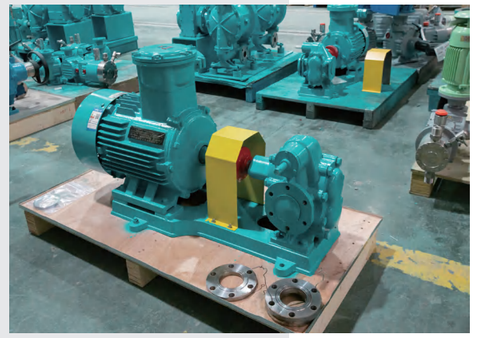
▲ Intelligence Warehouse Management

Excellent Team ▶

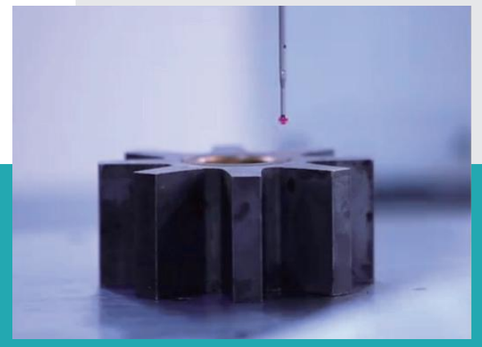
▼ CNC from Japan

▼ Finished Product Workshop

▼ Assembly Shop

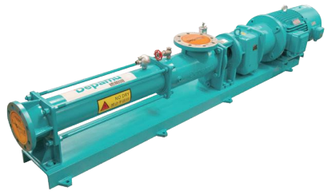


▼ CMM for Rotor Profile Check

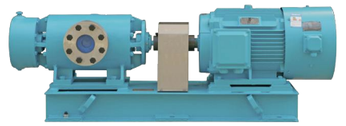


▼ Equipment Delivery

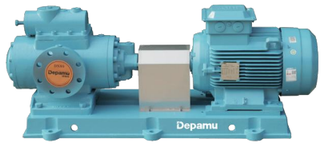
Product Series



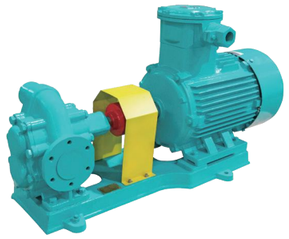
Single-screw Pump



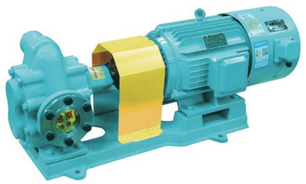
Two-screw Pump



Three-screw Pump



CKCB Gear Pump



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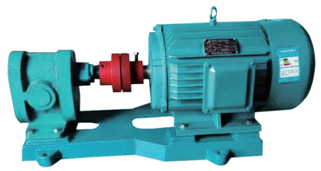
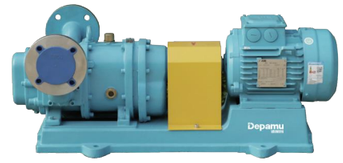
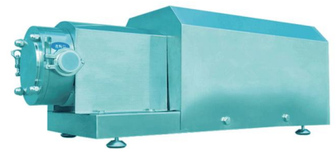


CLCY Gear Pump

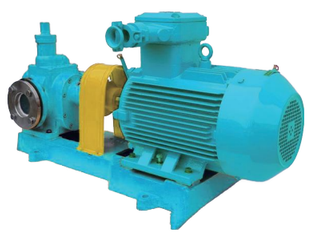
Metal Lobe Pump



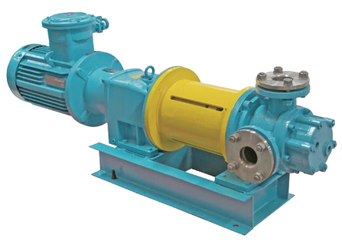
Rubber Lobe Pump



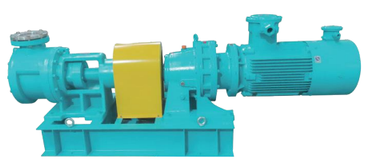
Sanitary Lobe Pump



LYCB Gear Pump

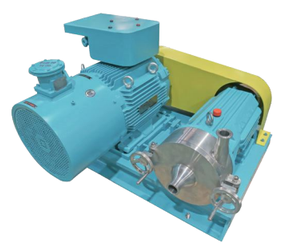


CLNYP Gear Pump



CLNYP Gear Pump

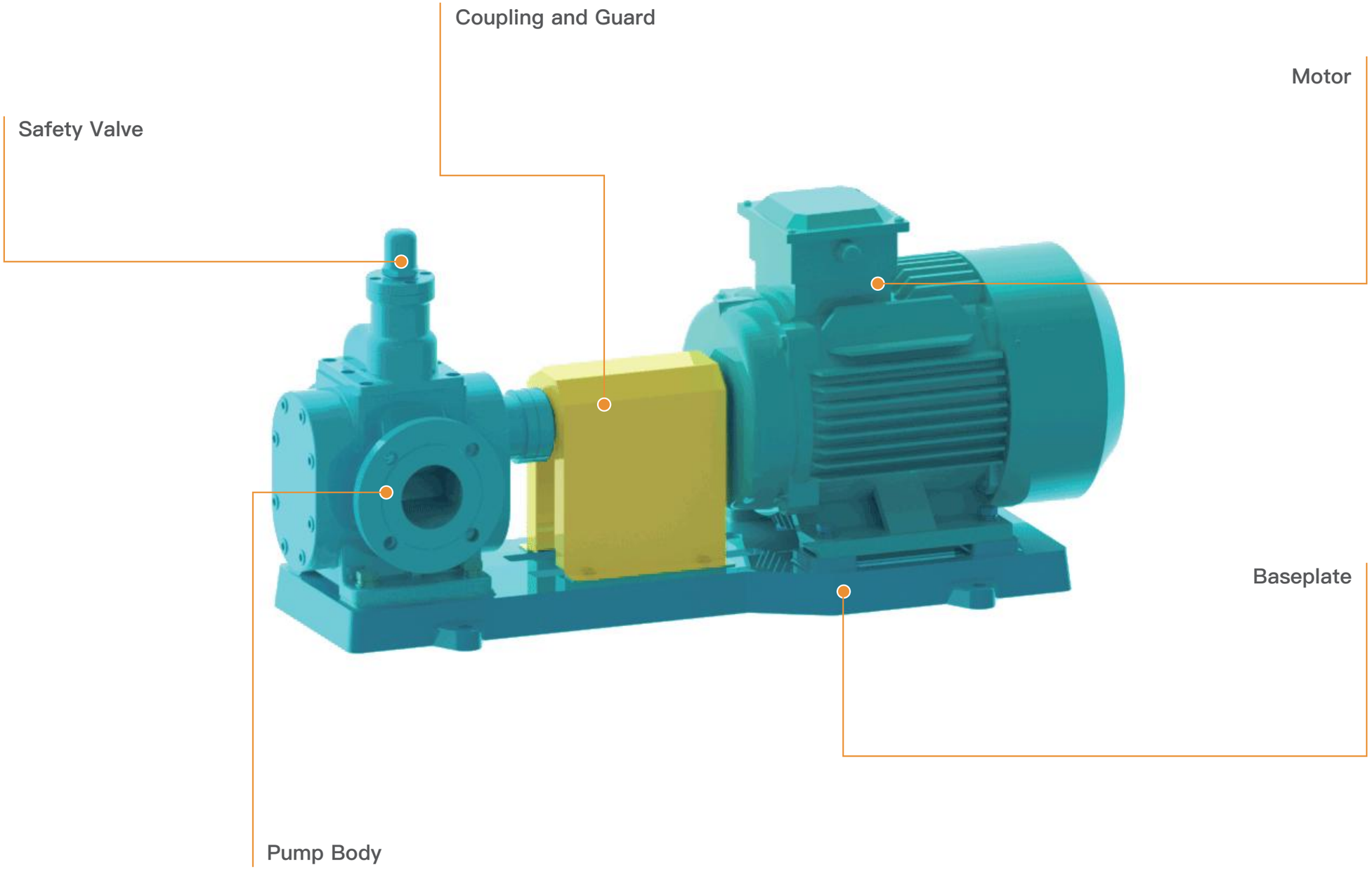
Homogenization and Emulsification Pump



Powder Pump

Chopper

Gear Pump Structural View



Introduction

Description

A gear pump is a rotary pump with fluid transfer or pressure increase through volume change and movement of the two working chambers formed by the pump cylinder and meshing gears. Two gears, pump body, front cover and end cover form two enclosed chambers; during rotation of the gears, volume of the space at the gear-separating side increases to vacuum state realizing fluid suction while volume of the space at the gear-meshing side decreases realizing fluid discharge. Suction chamber and discharge chamber are separated by the two gears. Discharge pressure of the pump solely depends on resistance at pump outlet.

Features

- Simple and compact structure, small volume, light weight;
- Fine technology, favorable price;
- Good self-priming performance, resistance to oil pollution;
- Wide speed range, resistance to impact load;
- Easy maintenance, reliable operation.

Application


Ocean Engineering


Chemical Industry


Exploration and Mining


Sewage Treatment


Food Industry


Paper-making and Textile Industry


Mechanical Engineering


Construction Industry

Model

LYCB-5/0.6-I-D-C

- C: Special functions, no marking if N/A (see Table 3 for details)
- D: Seal Type (see Table 2 for details)
- I: Materials for pump body, shaft and gear, multiple combinations (see Table 1 for details)
- 0.6: Discharge Pressure (MPa)
- 5: Rated Capacity (MPa)
- LYCB: Gear Pump Model

Table 1 Material

Code	Pump Body	Shaft	Gear
I	HT250	45	40Cr
II	304	9Cr18	304
III	304	3Cr13	304
IV	316	9Cr18	316
V	316	3Cr13	316
VI	Others		

Table 2 Seal Type

D	S	T
Single-end Mechanical Seal	Double-end Mechanical Seal	Packing Seal

Table 3 Special Functions

C	B
Magnetic Drive	Insulation

Necessary Data Required for Model Selection

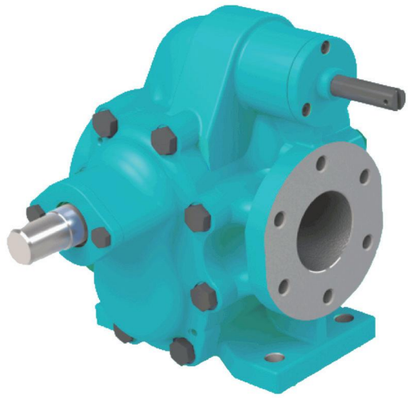
Operation Conditions

1	Liquid Pumped		8	Capacity	m^3/h
2	Liquid	☐ Corrosive ☐ Abrasive ☐ Toxic ☐_____	9	Suction Pressure	MPaG
3	Solids	W% Particle Size μm	10	Discharge Pressure	MPaG
4	Temperature	℃	11	Differential Pressure	MPa
5	Density	Kg/m^3	12	Head	m
6	Viscosity	mPa.s	13	Vapor Pressure	kPaA
7	Operating State	■ Continuous ☐ Intermittent	14	NPSHa	m

Installation Environment and Site Conditions

1	Location	☐ Indoor ■ Outdoor ☐ Heated ■ Unheated	3	Ambient Temperature	Summer Winter ℃	Altitude	m
2	Barometer	Kpa (a)	4	Electrical Area	Class Group Zone		

CKCB Gear Pump



Application

Applicable to transfer lubrication oil or other liquids of similar nature with a temperature up to 300℃ and a viscosity at 5~1,500cSt, and to hydraulic transmission systems as well. Viscosity of pumped fluids can reach 50,000cSt through reduction in pump speed.

Purpose

- Transfer and booster pumps in oil transfer systems;
- Fuel oil transfer, booster and injection pumps in fuel oil systems;
- Lubricating oil pumps in all industrial fields.

Structural Features

- A CKCB gear pump is composed of parts like gear, shaft, pump body, safety valve, shaft end seal (magnetic drive and no-leak structure available for option under any special requirement), etc. Through heat treatment, gears feature high hardness and strength, and fluids transferred by the gears lubricate all rotating parts of the pump.

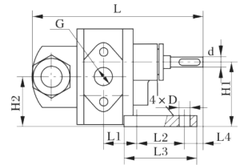
- An oil drain and return tank in proper design is provided in the pump, minimizing the torque of the gears during running, thus ensuring a small bearing load, little wearing and a high pump efficiency.

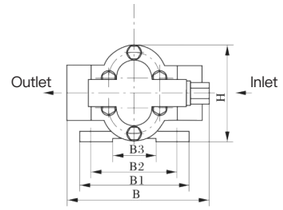
- A differential-pressure safety valve is mounted for overload protection, its full-backflow pressure is 1.5 times of the pump rated discharge pressure and can be adjusted as per actual demand within the allowable discharge pressure range. However, the safety valve can't be used as a pressure relief valve for a long period, and a pressure relief valve can be additionally mounted on pipeline if needed.

CKCB Gear Pump Performance Data

Model	Capacity		Discharge Pressure MPa	NPSHr	Efficiency %	Speed r/min	Motor		
	m^3/h	L/min					Hz	Power kw	Model
CKCB-18.3	1.1	18.3	1.45	5	59	1400	1.5		Y90L-4
CKCB-1.1/1.45									
CKCB-33.3	2	33.3	1.45	5	59	1420	2.2		Y100L-4
CKCB-2/1.45									
CKCB-55	2	55	0.33	7	41	1400	1.5		Y90L-4
CKCB-3.3/0.33									
CKCB-83.3	2	83.3	0.33	7	43	1420	2.2		Y100L-4
CKCB-5/0.33									
CKCB-135	2	135	0.33	5	46	940	2.2		Y112M-6
CKCB-8/0.33									
CKCB-200	2	200	0.33	5	46	1440	4		Y112M-4
CKCB-12/0.33									
CKCB-300	2	300	0.36	5	42	960	5.5		Y132M-6
CKCB-18/0.36									
CKCB-483.3	2	483.3	0.36	5.5	42	1440	11		Y160M-4
CKCB-29/0.36									
CKCB-633	2	633	0.28	6	43	970	11		Y160L-6
CKCB-38/0.28									
CKCB-960	2	960	0.28	6.5	43	1470	22		Y180L-4
CKCB-58/0.28									
CKCB-1200	72	1200	0.6	7	43	740	37		Y280S-B
CKCB-1600	96	1600				980	45		Y280S-6
CKCB-1800	108	1800	0.6	7.5	43	740	55		Y315S-B
CKCB-2500	150	2500				985	75		Y315S-6
CKCB-2850	171	2850	0.6	8	44	740	90		Y315L-8
CKCB-3800	228	3800				989	110		Y315L-6
CKCB-4100	246	4100	0.6	8	44	743	132		Y355M-8
CKCB-5400	324	5400				989	160		Y355M-6
CKCB-5600	336	5600	0.6	8	44	744	160		Y355M-8
CKCB-7000	420	7000				744	185		Y355L-8
CKCB-7600	456	7600	0.6	8	44	989	200		Y355M-6
CKCB-9600	576	9600				989	250		Y355L-6

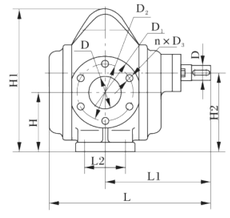
CKCB18.3~83.3 Pump Outline Drawing

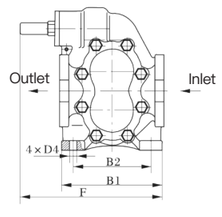




Model	L	L1	L2	L3	L4	B	B1	B2	B3	H	H1	H2	D	d	G
CKCB-18.3	217.5	35	80	115	16	192	150	120	66	136	90	69	Φ16	Φ20	G 3/4
CKCB-33.3	231	42.5	80	115	16	192	150	120	66	136	90	69	Φ16	Φ20	G 3/4
CKCB-55	246	50	80	115	16	192	150	120	66	136	90	69	Φ16	Φ20	G1
CKCB-83.3	271	62	80	115	16	192	150	120	66	136	90	69	Φ16	Φ20	G 1 1/2

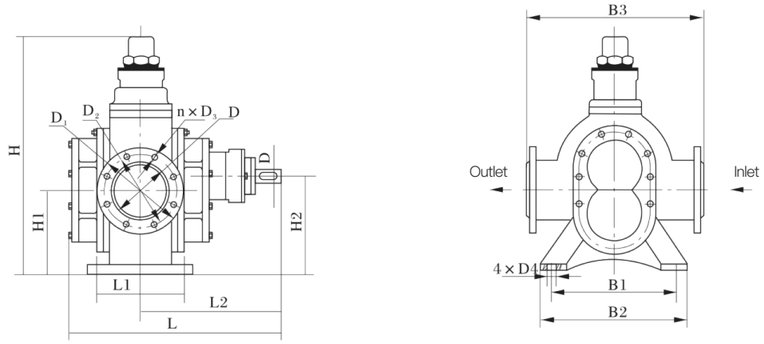
CKCB135~960 Pump Outline Drawing





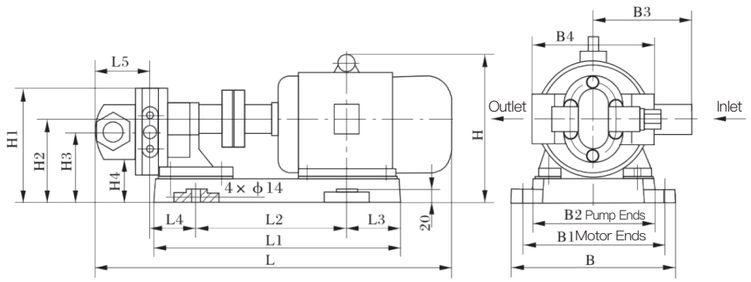
Model	L	L1	L2	B1	B2	H	H1	H2	F	D	Specification	D1	D2	n×D3	D4	d
CKCB-135	290	200	66	214	160	263.5	118	152.5	300	Φ50	General	Φ140	Φ110	4×M12	Φ13	Φ28
CKCB-200											Standard					
CKCB-300	354	230	90	228	180	308	128	170	318	Φ70	General	Φ155	Φ123	6×M14	Φ16	Φ32
CKCB-483.3											Standard					
CKCB-633	415	270	120	280	175	385	188	205	380	Φ100	General	Φ190	Φ158	8×M14	Φ18	Φ38
CKCB-960											Standard					

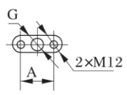
CKCB1200～9600 Pump Outline Drawing



Model	L	L1	L2	B1	B2	B3	H	H1	H2	D	Specification	D1	D2	n×D3	D4	d
CKCB-1200	715	300	480	415	463	510	708	220	300	Φ150	General	Φ260	Φ225	8×φ18	Φ25	Φ56
CKCB-1600											Standard					
CKCB-1800	830	340	547	460	585	684	876	262	350	Φ200	General	Φ320	Φ280	8×φ18	Φ25	Φ76
CKCB-2500											Standard					
CKCB-2850	948	380	625	520	584	640	915	299	400	Φ250	General	Φ370	Φ335	12×φ18	Φ25	Φ86
CKCB-3800											Standard					
CKCB-4100																
CKCB-5600	1085	345	700	500	600	740	1155	386	500	Φ350	General	Φ490	Φ445	12×φ23	Φ32	Φ95
CKCB-7000																
CKCB-7600											Standard					
CKCB-9600																

CKCB18.3～83.3 Pump Outline Drawing and Weight

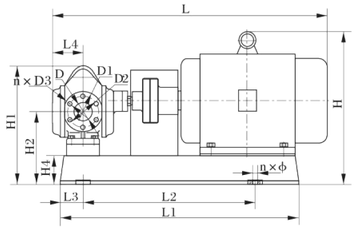


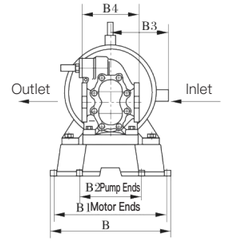


进出油口
Oil Outlet and inlet

Model	L	L1	L2	L3	L4	L5	H	H1	H2	H3	H4	B	B1	B2	B3	B4	A	G	Weight kg
CKCB-18.3	566	391	239	86	75	86	230	176	130	109	40	259	225	190	155	192	52	G3/4	62.15
CKCB-33.3	618	416	256	94	82	93	285	186	140	119	50	279	245	190	180	192	52	G3/4	66.8
CKCB-55	595	391	239	86	89.5	100.5	230	176	130	109	40	259	225	190	155	192	70	G1	64.15
CKCB-83.3	652	416	256	94	102	113	285	186	140	119	50	279	245	190	180	192	78	G1 1/2	70.15

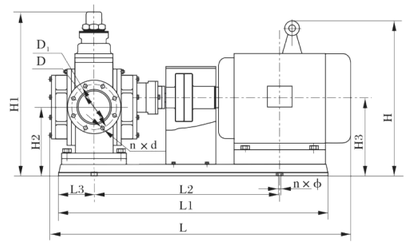
CKCB135-960 Pump Outline Drawing and Weight

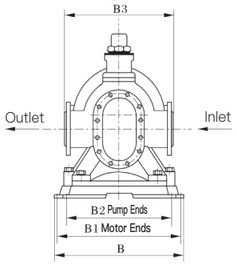




Model	L	L1	L2	L3	L4	H	H1	H2	H4	B	B1	B2	B3	B4	D	Specification	D1	D2	n×D3	n×ϕ	Weight kg
CKCB-135	709	577	419	58	90	355	314	168	50	326	290	240	190	214	φ50	General	φ110	φ140	4×M12	4×φ16	135
CKCB-200																Standard					
CKCB-300	883	715	502	80	124	423	378	198	70	390	340	280	210	228	φ70	General	φ123	φ155	6×M14	4×φ22	173
CKCB-483.3																Standard					
CKCB-633	1074	901	629	100	145	500	455	258	70	450	400	285	255	280	φ100	General	φ158	φ190	8×M12	4×φ22	274.5
CKCB-960																Standard					

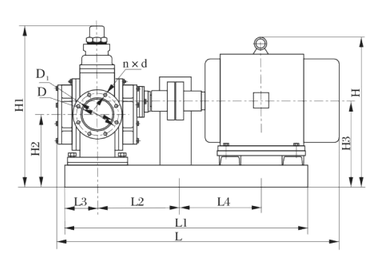
CKCB1200-5400 Pump Outline Drawing

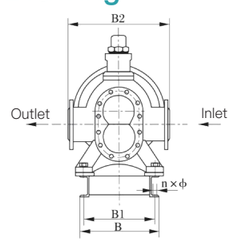




Model	L	L1	L2	L3	H	H1	H2	H3	B	B1	B2	B3	D	Specification	D1	n×d	n×ϕ
CKCB-1200	1771	1470	990	194	780	828	340	420	683	631	621	510	Φ150	General	Φ225	8×φ18	4×φ25
CKCB-1600														Standard			
CKCB-1800	2036	1704	1142	230	1020	996	382	470	772	720	720	684	Φ200	General	Φ280	8×φ18	4×φ25
CKCB-2500														Standard			
CKCB-2850	2294	1880	1250	270	1070	1035	419	520	810	750	750	640	Φ250	General	Φ335	12×φ18	4×φ30
CKCB-3800																	
CKCB-4100	2524	2008	1340	270	1200	1035	419	520	1163	906	750	640	Φ250	Standard			
CKCB-5400																	

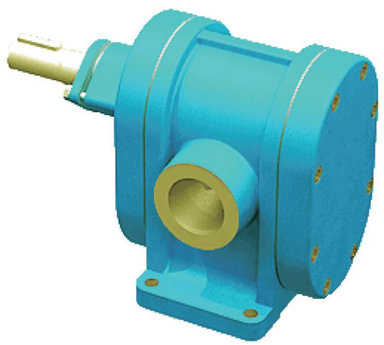
CKCB5600-9600 Pump Outline Drawing





Model	L	L1	L2	L3	L4	H	H1	H2	H3	B	B1	B2	D	Specification	D1	n×d	n×ϕ
CKCB-5600	2632	2090	723	245	723	1465	1440	671	785	760	690	740	Φ350	General	Φ445	12×φ23	6×φ32
CKCB-7000	2662	2090	723	245	723	1465	1440	671	785	760	690	740	Φ350				
CKCB-7600	2632	2090	723	245	723	1465	1440	671	785	760	690	740	Φ350	Standard			
CKCB-9600	2662	2090	723	245	723	1465	1440	671	785	760	690	740	Φ350				

CLCY Gear Pump



Application

Applicable to transfer lubrication oil or other liquids of similar nature with no solid particle or fiber, a tempera–ture up to 300℃ and a viscosity at 5~1,500cSt, and to hydraulic transmission systems as well. Viscosity of pumped fluids can reach 50,000cSt through reduction in pump speed.

Purpose

- Transfer and booster pumps in oil transfer systems;
- Fuel oil transfer, booster and injection pumps in fuel oil systems;
- Hydraulic pumps in hydraulic transmission systems, providing hydraulic power;
- Lubricating oil pumps in all industrial fields.

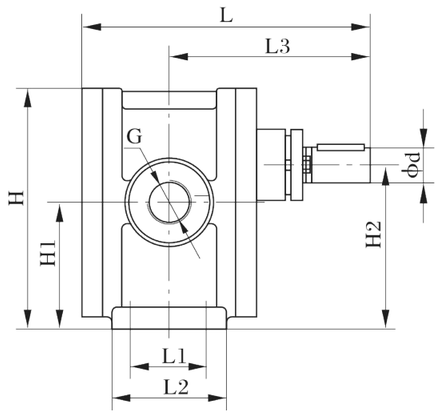
Structural Features

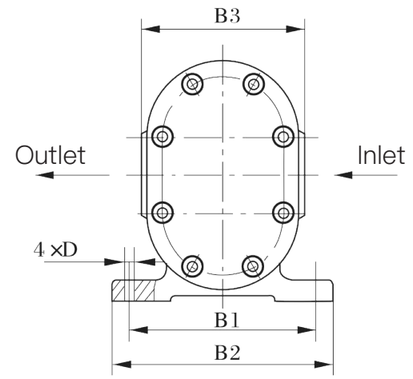
- A CLCY gear pump is composed of parts like gear, shaft, pump body, pump cover, bearing bush, shaft end seal (magnetic drive and no–leak structure available for option under any special requirement), etc. Through nitriding treatment, gears feature high hardness and wear resistance, and fluids transferred by the gears lubricate all rotating parts of the pump.
- Four bearing bushes adopt floating mounting inside the pump, realizing automatic change in end face clearance as per working pressure, thus ensuring a stable pump pressure, little pulsation of discharge capacity and a high volumetric efficiency.

CLCY Gear Pump Performance Data

Model	Capacity		Discharge Pressure MPa	NPSHr	Efficiency %	Speed r/min	Motor		
	m^3/h	L/min					Hz	Power kw KW	Model
CLCY-1.08/2.5	1.08	18	2.5	5.5	58	1420	2.2		Y100L1-4
CLCY-2.1/2.5	2.1	35	2.5	5.5	58	1420	3		Y100L2-4
CLCY-3/2.5	3	50	2.5	5.5	59	1440	4		Y112M-4
CLCY-4.2/2.5	4.2	70	2.5	5.5	62	1440	5.5		Y132S-4
CLCY-7.5/2.5	7.5	125	2.5	5.5	63	1440	7.5		Y132M-4
CLCY-12/2.5	12	200	2.5	5.5	61	1460	15		Y160L-4
CLCY-21/2.5	21	350	2.5	5.5	60	1460	30		Y200L-4

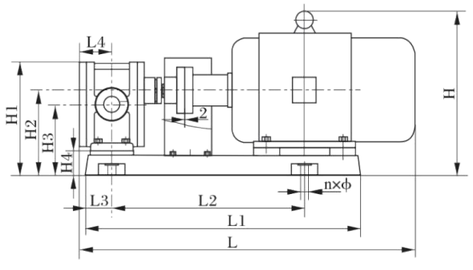
CLCY Pump Outline Drawing

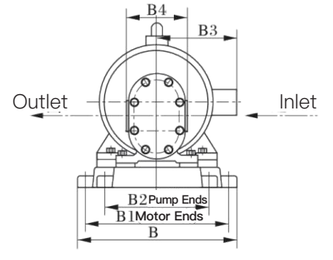




Model	L	L1	L2	L3	B1	B2	B3	H	H1	H2	D	d	G
CLCY-1.08/2.5	193.5	45	75	138.5	114	138	95	132	67.5	87	Φ10	Φ18	G3/4
CLCY-2.1/2.5	198.5	48	78	142.5	124	154	110	164.5	86	112	Φ10	Φ18	G1
CLCY-3/2.5	198.5	48	78	142.5	124	154	110	164.5	86	112	Φ10	Φ18	G1
CLCY-4.2/2.5	220	58	88	155	160	190	140	205	107.5	140	Φ12	Φ28	G1 1/4
CLCY-7.5/2.5	239	65	98	164.5	160	190	140	205	107.5	140	Φ12	Φ28	G1 1/2
CLCY-12/2.5	360	106	136	257	190	220	210	256	136	178	Φ14	Φ32	G2

CLCY Pump Outline Drawing and Weight





Model	L	L1	L2	L3	L4	H	H1	H2	H3	H4	B	B1	B2	B3	B4	G	D	nxϕ	Weight kg
CLCY-1.08/2.5	582	486	339	47.5	55	290	190	145	125.5	58	293	257	190	180	95	G3/4	ϕ36	4xϕ18	56
CLCY-2.1/2.5	586	493	344	49	56	302	210	157	131	45	293	257	206	180	110	G1	ϕ50	4xϕ18	63.5
CLCY-3/2.5	605	499	349	49	56	310	210	157	131	45	333	297	206	190	110	G1	ϕ50	4xϕ18	77.5
CLCY-4.2/2.5	720	585	420	54	65	373	255	190	157.5	50	368	332	242	210	140	G1 1/4	ϕ70	4xϕ18	121
CLCY-7.5/2.5	780	637	448	60	75	378	260	195	162.5	55	368	332	242	210	140	G1 1/2	ϕ70	4xϕ18	136
CLCY-12/2.5	1020	862	616	78	103	468	321	243	201	65	416	380	272	255	210	G2	ϕ95	4xϕ18	173

LYCB Gear Pump

Application

Applicable to transfer lubrication oil or other liquids of similar nature with no solid particle or fiber, no corrosivity, a temperature up to 300℃ and a viscosity at 5~1,500cSt, and to hydraulic transmission systems as well. Viscosity of pumped fluids can reach 50,000cSt through reduction in pump speed.

Purpose

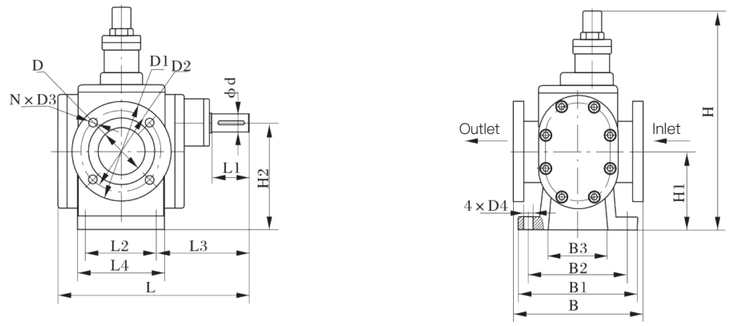
- Transfer and booster pumps in oil transfer systems;
- Fuel oil transfer, booster and injection pumps in fuel oil systems;
- Hydraulic pumps in hydraulic transmission systems, providing hydraulic power;
- Lubricating oil pumps in all industrial fields.

Structural Features

- A LYCB gear pump is composed of parts like gear, shaft, pump body, pump cover, bearing bush, shaft end seal (magnetic drive and no-leak structure available for option under any special requirement), etc. Gears adopt a new global-leading technology, i.e., double-circular-arc sinusoidal gear tooth. Compared with involute gears, the gears feature no relative slide on tooth profile during gear meshing, ensuring no wearing of tooth surface, stable running without liquid trapping, low noise, longer service life and high efficiency. Out of conventional design, LYCB gear pumps embark on a new stage of gear pump design, production and application.

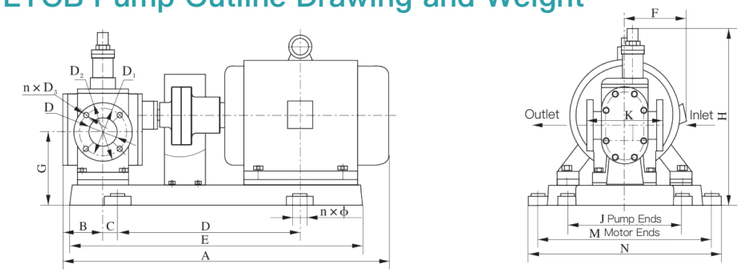
- A differential-pressure safety valve is mounted for overload protection, its full-backflow pressure is 1.5 times of the pump rated discharge pressure and can be adjusted as per actual demand within the allowable discharge pressure range. However, the safety valve can't be used as a pressure relief valve for a long period, and a pressure relief valve can be additionally mounted on pipeline if needed.

LYCB Pump Outline Drawing



Model	L	L1	L2	L3	L4	B	B1	B2	B3	H	H1	H2	d	D	Differential Pressure	D1	D2	N×D3	4×D4
LYCB0.6	180	30	45	107.5	66	125	91	70	35	187	80	92	ϕ12	ϕ25	PN6	ϕ100	ϕ75	4×M12	4×ϕ9
															PN16	ϕ115	ϕ85	4×M12	
LYCB1.6	208	32	55	118.5	80	150	115	90	50	208	79.7	95	ϕ14	ϕ32	PN6	ϕ100	ϕ90	4×ϕ14	4×ϕ11
															PN16	ϕ140	ϕ100	4×ϕ18	
LYCB3.3	247.6	35	70	132.85	98	180	148	120	75	258	87.6	110	ϕ18	ϕ40	PN6	ϕ130	ϕ100	4×ϕ14	4×ϕ13
															PN16	ϕ150	ϕ110	4×ϕ18	
LYCB4	260.6	35	80	134.8	108	180	148	120	75	263	92.6	115	ϕ18	ϕ50	PN6	ϕ140	ϕ110	4×ϕ14	4×ϕ13
															PN16	ϕ165	ϕ125	4×ϕ18	
LYCB8	313	45	100	158.5	138	220	178	140	90	361	105	135	ϕ24	ϕ65	PN6	ϕ160	ϕ130	4×ϕ14	4×ϕ13
LYCB10	330	45	100	168.5	138	220	178	140	90	360	105	135	ϕ24		PN16	ϕ185	ϕ145	4×ϕ18	4×ϕ13
LYCB20	400	55	135	201	182	260	226	180	118	436.5	130.8	170	ϕ32	ϕ80	PN6	ϕ190	ϕ150	4×ϕ18	4×ϕ18
															PN16	ϕ200	ϕ160	4×ϕ18	
LYCB25	430	55	135	216	182	260	226	180	118	436.5	130.8	170	ϕ32	ϕ100	PN6	ϕ210	ϕ170	4×ϕ18	4×ϕ18
LYCB30	459	60	150	236	200	275	231	190	126	461	141	185	ϕ35		PN16	ϕ220	ϕ180	8×ϕ18	4×ϕ18
LYCB40	500	70	175	251.5	225	300	260	210	140	509	157	205	ϕ40	ϕ125	PN6	ϕ240	ϕ200	8×ϕ18	4×ϕ18
LYCB50	493	70	175	246.5	225	300	260	210	140	509	157	205	ϕ40						
LYCB60	517	80	175	246.5	225	300	260	210	140	562	180	240	ϕ50		PN16	ϕ250	ϕ210	8×ϕ18	4×ϕ18

LYCB Pump Outline Drawing and Weight



Model	A	B	C	D	E	F	G	H	J	K	M	N	D	Differential Pressure	D1	D2	n×D3	n×Φ	Weight kg
LYCB0.6-0.6	506	50	22.5	280	421	155	115	232	136	125	222	252	ϕ25	PN6	ϕ100	ϕ75	4×M12	4×ϕ14	38.5
LYCB1.0-0.6	486.5			264	405	150		217			207	237		PN16	ϕ115	ϕ85			
LYCB1.6-0.6	547	63	27.5	303	455	155		243	156	150	222	252	ϕ32	PN6	ϕ100	ϕ90	4×ϕ14		43
LYCB2.5-0.6														PN16	ϕ140	ϕ100	4×ϕ18		
LYCB3.3-0.6	644	76	35	344.5	544.5	180	122.6	298	198	180	266	298	ϕ40	PN6	ϕ130	ϕ100	4×ϕ14	4×ϕ16	65
LYCB5.0-0.6														PN16	ϕ150	ϕ110	4×ϕ18		
LYCB4.0-0.6	667.5	85	40	346	557		127.6				256	288	ϕ50	PN6	ϕ140	ϕ110	4×ϕ14		66
LYCB6.0-0.6														PN16	ϕ165	ϕ125	4×ϕ18		
LYCB8.0-0.6	795	101	50	382	644	210	140	396	218	220	332	364	ϕ65	PN6	ϕ160	ϕ130	4×ϕ14		117
LYCB12-0.6																			
LYCB10-0.6	849	111		430	690									PN16	ϕ185	ϕ145	8×ϕ18		130
LYCB15-0.6	808			382	644														
LYCB20-0.6	1009	131.5	29.5	566	845	255	165.8	471.5	270	260	380	416	ϕ80	PN6	ϕ190	ϕ150	4×ϕ18	4×ϕ18	216
														PN16	ϕ200	ϕ160	8×ϕ18		
LYCB25-0.6	1100	146.5		603	904						385	421	ϕ100	PN6	ϕ210	ϕ170	4×ϕ18		223
LYCB30-0.6	1125	147	35	646	954		196	517	295	275	400	436		PN16	ϕ220	ϕ180	8×ϕ18		288
LYCB40-0.6	1214	161	42.5	673	1023	285	212	562	315	300	425	461	ϕ125	PN6	ϕ240	ϕ200	8×ϕ18	4×ϕ22	364
LYCB50-0.6	1300	159	52.5	680	1080	310	237	590	340	300	476	536		PN16	ϕ250	ϕ210	4×ϕ22		
LYCB60-0.6	1321	183	52.5	680	1080	315	260	642	340	300	476	536							

LYCB Gear Pump Performance Data

Model	Capacity m^3/h	Discharge Pressure MPa	NPSHr	Efficiency %	Speed r/min	Motor		
						Hz	Power KW	Model
LYCB 0.6-0.6	0.6	0.6	5.5	60	910	50	0.75	Y90S-6
	1				1390	50	0.75	$Y80L_2$-4
	0.7				1130	60	0.75	Y90S-6
	1.2				1710	60	0.75	$Y80L_2$-4
LYCB 0.6-1.6	0.6	1.6	7	70	910	50	1.1	Y90L-6
	1				1400	50	1.5	Y90L-4
	0.7				1130	60	1.1	Y90L-6
	1.2				1710	60	1.1	Y90S-4
LYCB1.6-0.6	1.6	0.6	5.5	63	910	50	0.75	Y90S-6
	2.5				1400	50	1.1	Y90S-4
	1.9				1130	60	1.1	Y90L-6
	3				1710	60	1.5	Y90L-4
LYCB 1.6-1.6	1.6	1.6	7	71	940	50	2.2	Y112M-6
	2.5				1440	50	4	Y112M-4
	1.9				1150	60	2.2	Y112M-6
	3				1750	60	4	Y112M-4
LYCB3.3-0.6	3.3	0.6	5	60	940	50	1.5	Y100L-6
	5				1420	50	2.2	$Y100L_1$-4
	4				1150	60	1.5	Y100L-6
	6				1730	60	2.2	$Y100L_1$ 4
LYCB3.3-1.6	3.3	1.6	7	72	960	50	5.5	$Y132M_2$-6
	5				1440	50	7.5	Y132M-4
	4				1170	60	4	$Y132M_1$-6
	6				1750	60	7.5	Y132M-4
LYCB 4-0.6	4	0.6	5	60	940	50	1.5	Y100L-6
	6				1420	50	2.2	$Y100L_1$-4
	4.8				1150	60	2.2	Y112M-6
	7.2				1730	60	3	$Y100L_2$-4
LYCB 4-1.6	4	1.6	7	72	960	50	5.5	$Y132M_2$-6
	6				1440	50	7.5	Y132M-4
	4.8				1170	60	5.5	Y132M-6
	7.2				1750	60	7.5	Y132M-4
LYCB8-0.6	8	0.6	5	61	960	50	3	Y132S-6
	12				1440	50	5.5	Y132S-4
	9.6				1170	60	4	$Y132M_1$-6
	14.4				1750	60	5.5	Y132S-4
LYCB8-1.6	8	1.6	7	75	970	50	11	Y160L-6
	12				1460	50	15	Y160L-4
	9.6				1170	60	11	Y160L-6
	14.4				1760	60	15	Y160L-4
LYCB10-0.6	10	0.6	5	62	960	50	4	$Y132M_1$-6
	15				1440	50	5.5	Y132S-4
	12				1170	60	5.5	$Y132M_2$-6
	18				1750	60	7.5	Y132M-4
LYCB10-1.6	10	1.6	7	76	970	50	11	Y160L-6
	15				1470	50	15	Y160L-4
	12				1170	60	11	Y160L-6
	18				1770	60	18.5	Y180M-4
LYCB20-0.6	20	0.6	5	68	970	50	7.5	Y160M-6
	24				1170	60	7.5	Y160M-6
LYCB25-0.6	25	0.6	5.5	69	970	50	11	Y160L-6
	30				1170	60	11	Y160L-6
LYCB30-0.6	30	0.6	5.5	65	970	50	11	Y160L-6
	36				1170	60	11	Y160L-6
LYCB40-0.6	40	0.6	5.5	66	970	50	15	Y180L-6
	48				1170	60	15	Y180L-6
LYCB50-0.6	50	0.6	5.5	66	970	50	22	$Y200L_2$-6
	60				1180	60	22	$Y200L_2$-6
LYCB 60-0.6	60	0.6	5.5	65	980	50	22	$Y200L_2$-6
	73				1180	60	30	Y225M-6
LYCB 80-0.6	80	0.6	5.5	65	980	50	30	Y225M-6
	97				1180	60	30	Y225M-6

CLNYP Gear Pump

Application

CLNYP high-viscosity gear pumps are new-type positive displacement pumps through R&D as per demands in industries like petroleum, chemical, coating, grease, medical, dye, food, etc. Because of different materials optional and the unique pump structure, the pumps can be widely used for transfer of fluids in different natures and viscosity values.

Fluid temperature range: -10℃~200℃ (-10℃~80℃ for CLNYP0.78 and CLNYP2.3).

Fluid viscosity range: 1cSt-2,000,000cSt (1.0cSt~10,000cSt for CLNYP0.78 and CLNYP2.3). Viscosity of pumped fluids can reach 2,000,000cSt through reduction in pump speed.

Working Principle

The driving gear with internal teeth (the outer rotor) drives the inner rotor for rotation in the same direction in the fully-enclosed pump body, which, together with the link of the front cover, separates pump inlet from outlet. During rotation, a negative pressure forms in the pump inlet realizing fluid suction, and then, the rotors transfer fluid to the pump outlet, realizing fluid transfer.

Structural Features

- A CLNYP gear pump is composed of inner and outer rotors, shaft, pump body, front cover, bracket, seal, bearing, etc. Seal is in the form of mechanical seal or packing seal. For fluids with a high temperature, a high viscosity and strong corrosivity, packing seal shall be selected (magnetic drive and no-leak structure available for option under any special requirement).
- Under transfer of fluids easy to crystallize, insulation jackets can be mounted on front cover and pump body to provide steam tracing during operation. A safety valve can be provided, which is open under pump or pipeline over-pressure to form internal backflow, ensuring system safety. A pump unit is composed of pump, motor and baseplate. The pump rotates clockwisely when viewed from DE.

Advantages

- Steady transfer with no pulsation, little vibration and low noise;
- Strong self-priming performance;
- Ability to transfer corrosive fluids with an operating temperature up to 200℃ under proper selection of component materials;
- The inner and the outer rotors rotate in the same direction, ensuring little wearing and a long service life, especially suitable for transfer of highly viscous fluids;
- Pump speed and capacity are in a linear functional relationship, so pump capacity can be changed through change in speed.

CLNYP Gear Pump Performance Data

Model	Diameter mm	Theoretical Capacity L/100rev	Viscosity cSt	Speed r/min	Differential Pressure 0.4	0.6	0.8	1	Connection
					Shaft Power (kw)/Capacity (L/min)				
CLNYP0.78A	15	0.78	20	1390	0.17/9.3	0.23/9.0	0.28/8.8	0.32/8.6	G1/2
			60	1390	0.18/9.5	0.24/9.2	0.28/9.0	0.33/8.9	
			200	1390	0.31/10.4	0.35/10.2	0.39/10.0	0.43/9.9	
			600	1390	0.39/10.4	0.44/10.3	0.48/10.3	0.52/10.2	
			2000	910	0.23/6.8	0.27/6.8	0.30/6.8	0.33/6.7	
			6000	720	0.24/5.4	0.31/6.1	0.38/6.8	0.40/6.8	
CLNYP2.3A	25	2.3	20	1400	0.38/28.4	0.49/27.5			G1
			60	1400	0.59/29.2	0.65/28.8			
			200	1400	0.61/30.0	0.72/29.6			
			600	1400	0.92/31.9	0.96/31.7			
			2000	910	0.61/19.9	0.68/19.7			
			6000	720	0.77/16.32	0.83/16.2			
CLNYP3.6	40	3.6	20	1450	0.69/46.7	0.94/45.9	1.18/45	1.44/43.4	Flange
			60	1450	0.81/47.5	1.09/46.7	1.37/45.9	1.57/44.7	
			200	1450	1.06/49.7	1.31/49.2	1.56/48.8	1.79/48.3	
			600	1450	1.45/49.9	1.61/49.6	1.77/49.3	1.93/49	
			2000	960	1.28/34.3	1.41/33.8	1.54/33.7	1.65/33.6	
			6000	640	1.08/23.0	1.18/22.9	1.28/22.9	1.37/22.8	
			20000	583	1.22/20.5	1.24/20.4	1.25/20.4	1.38/20.3	
			60000	455	0.84/16.3	0.91/16.2	0.98/16.1	1.01/16	
CLNYP7.0A	40	7	20	1450	1.36/98.1	1.8/96	2.0/94.7	2.4/93	Flange
			60	1450	1.45/99	1.9/97	2.2/96.4	2.6/95	
			200	1450	1.62/99.8	2.0/98	2.3/97.5	2.7/97	
			600	960	1.4/62	1.6/65	1.8/64.5	2.0/64	
			2000	960	1.8/67	2.0/66	2.3/65	2.6/65	
			6000	640	1.5/44.5	1.7/44	1.8/44	2.0/44	
			20000	583	1.6/40.5	1.8/40	2.1/40	2.2/40	
			60000	455	1.46/31.5	1.8/31	1.9/31	2.0/31	
CLNYP24	50	24	20	720	1.8/165	2.3/161	2.8/158	3.4/155	Flange
			60	720	2.0/166	2.6/164	3.1/162	3.7/158	
			200	610	1.9/143	2.5/141	3.0/139	3.5/136	
			600	541	2.1/127	2.6/125	3.0/124	3.5/122	
			2000	475	2.2/112	2.6/111	2.9/110	3.4/109	
			6000	357	2.0/85	2.3/84	2.6/83	2.9/83	
			20000	303	1.9/72	2.2/72	2.4/72	2.6/71	
			60000	228	1.6/54	1.8/54	2.0/54	2.3/54	
CLNYP52A	50	52	20	720	4.3/362	5.8/355	6.9/348	8.1/340	Flange
			60	720	4.7/364	6.2/358	7.3/352	7.5/346	
			200	610	4.6/309	5.9/304	6.9/300	8.0/294	
			600	541	4.9/275	6.0/271	6.8/268	7.8/264	
			2000	475	5.0/243	5.9/238	6.6/237	7.6/235	
			6000	357	4.1/184	4.9/182	5.3/181	6.2/18	
			20000	303	3.8/157	4.6/156	5.1/155	5.6/155	
			60000	228	3.1/119	3.7/118	4.0/118	4.5/118	

CLNYP Gear Pump Performance Data

Model	Diameter mm	Theoretical Capacity L/100rev	Viscosity cSt	Speed r/min	Differential Pressure 0.4	0.6	0.8	1	Connection
					Shaft Power (kw)/Capacity (L/min)				
CLNYP80A	80	80	20	615	5.2/471	6.9/461	8.5/451	10.0/433	Flange
			60	615	5.5/474	7.2/465	8.8/457	10.5/448	
			200	544	5.7/421	7.2/414	8.6/408	10.1/401	
			600	479	6.0/372	7.3/367	8.5/362	9.8/356	
			2000	417	6.5/326	7.7/322	8.9/319	10.1/315	
			6000	305	5.6/239	6.6/237	7.5/326	8.4/233	
			20000	228	5.5/180	6.4/179	6.9/178	7.7/177	
			60000	188	5.5/149	6.1/149	6.7/149	7.2/148	
CLNYP111A	80	111.4	20	615	6.7/660	9.2/647	11.2/634	13.6/622	Flange
			60	615	6.9/664	9.4/652	11.5/642	13.9/631	
			200	544	7.1/589	9.3/580	11.0/573	13.2/563	
			600	479	7.3/521	9.5/514	11.1/508	13.1/502	
			2000	417	7.7/455	9.7/450	11.0/447	12.7/442	
			6000	305	6.9/335	8.4/332	9.4/331	10.6/328	
			20000	228	6.3/251	7.5/250	8.2/249	9.2/248	
			60000	188	6.2/209	7.1/208	7.6/208	8.5/207	
CLNYP160	100	160	20	600	8.9/930	12.1/916	15.3/902	17.5/888	Flange
			60	600	9.4/935	12.6/922	15.8/910	19.0/898	
			200	550	12.3/866	15.3/859	18.3/852	21.3/845	
			600	480	10.2/754	12.8/747	15.4/740	18.0/737	
			2000	355	9.1/560	11.1/556	13/552	15.1/548	
			6000	319	10.0/505	11.7/502	13.5/500	15.2/497	
CLNYP220	125	220	20	430	8.8/902	11.9/880	15.0/858	18.0/836	Flange
			60	430	9.0/909	12.0/890	15.0/871	18.0/852	
			200	355	8.5/753	11.1/739	13.7/726	16.3/713	
			600	320	9.4/682	11.8/671	14.1/660	16.5/649	
			2000	284	9.1/544	11.0/537	13.0/530	15.1/523	
			6000	244	10.1/483	11.9/478	13.6/473	15.4/468	
			20000	160	9.1/347	10.5/345	11.9/343	13.3/341	
			60000	117	8.4/256	9.4/255	10.4/254	11.4/253	
CLNYP320	125	320	20	430	13.0/1306	18.0/1270	22.0/1235	26.0/1200	Flange
			60	430	13.0/1316	18.5/1285	22.0/1255	26.5/1225	
			200	355	11.8/1091	15.5/1068	19.1/1046	22.8/1024	
			600	320	13.2/987	16.5/968	19.7/950	22.9/932	
			2000	284	14.2/881	17.4/867	20.6/854	23.8/841	
			6000	222	13.7/693	16.2/684	18.7/675	21.2/666	
			20000	168	13.2/529	15.3/525	17.3/522	19.4/519	
			60000	125	12.0/397	13.7/396	15.3/395	16.9/394	
CLNYP650	150	650	20	315	19.0/1921	26.0/1857	33.0/1794		Flange
			60	315	20.0/1940	26.4/1886	33.2/1832		
			200	284	17.9/1756	24.0/1711	30.4/1666		
			600	253	17.6/1572	22.7/1534	28.9/1500		
			2000	196	15.7/1225	20.6/1201	24.5/1176		
			6000	160	16.0/1008	19.8/993	22.6/978		
			20000	117	13.6/745	16.5/738	19.2/731		
			60000	100	15.0/645	17.2/643	19.5/640		

Model	Diameter mm	Theoretical Capacity L/100rev	Viscosity cSt	Speed r/min	Differential Pressure				Connection
					0.4	0.6	0.8	1	
					Shaft Power (kw)/Capacity (L/min)				
CLNYP727	150	727	20	315	21.5/2135	29.4/2058	37.3/1980		Flange
			60	315	22.4/2157	29.8/2090	37.3/2026		
			200	280	19.6/1928	26.7/1874	33.5/1820		
			600	245	19.6/1696	25.1/1652	31.2/1611		
			2000	200	18.7/1394	23.3/1363	28.5/1334		
			6000	170	19.2/1195	23.3/1175	27.9/1155		
			20000	125	17.0/888	20.1/878	23.3/868		
			60000	100	16.8/720	19.5/717	22.3/713		
CLNYP1670	200	1670	20	250	38.0/3852	52.0/3690	66.0/3529		Flange
			60	250	40.0/3900	54.0/3763	68.0/3626		
			200	225	37.5/3535	50.0/3424	62.5/3313		
			600	195	37.0/3079	48.0/2990	58.6/2900		
			2000	160	35.0/2547	44.0/2485	53.0/2422		
			6000	135	34.6/2177	42.0/2138	50.0/2100		
			20000	112	35.0/1830	41.5/1810	48.0/1790		
			60000	85	36.0/1405	35.7/1400	40.6/1392		

Tips

Gear pumps, applicable to many industries, can transfer fluids of a wide range, and feature rigid structure, easy dismantling, simple maintenance, continuous even capacity, little wearing, long service life, etc. Please be aware of the followings:

- Frequent grease fill and replacement is required during pump using since it's volatile; besides, keep bearing clean.
- During or after operation, an electric oil transfer pump shall be placed in a dry, incorrosive and clean environment.
- Routine examination and maintenance is required during gear pump operation to ensure normal function of power cable, internal wiring, plug and switch in electric oil tank as well as nodamage of bearing components.
- To safekeep every part and keep clean during the process of pump disassembly and examination.

Reference

Pump Application to Chemical Industry

Site of Lubricating Oil Transfer by Pump

Site of Highly-viscous Fluid Transfer by Pump

Site of Resin Transfer by Pump

Pump Application to Crude Oil Industry

Clients

Application Fields

Conilowa provides professional service for multiple key and high-end fields.

PetroChina:

PetroChina Daqing Petrochemical Company
PetroChina Daqing Refining Chemical Company
PetroChina Lanzhou Petrochemical Company
PetroChina Dushanzi Petrochemical Company
PetroChina Urumqi Petrochemical Company
PetroChina Karamay Petrochemical Company
PetroChina Fushun Petrochemical Company
PetroChina Liaohe Petrochemical Company
PetroChina Qingyang Petrochemical Company
PetroChina Liaoyang Petrochemical Company
PetroChina Sichuan Petrochemical Company Limited
PetroChina North China Petrochemical Company
Golmud Refinery of Qinghai Oilfield
PetroChina Harbin Petrochemical Company
PetroChina Jinxi Petrochemical Company
PetroChina Dalian Petrochemical Company
...

Sinopec:

Sinopec Zhenhai Refining & Chemical Company
Sinopec Shanghai Petrochemical Company Limited
Sinopec Shanghai Gaoqiao Company
Sinopec Qilu Company
Sinopec Tianjin Company
Sinopec Yangzi Petrochemical Company Limited
Sinopec Jiujiang Company
Sinopec North China Company
Sinopec Wuhan Company
Sinopec Changling Company
Sinopec Baling Company
Sinopec Jinmen Company
Sinopec Zhanjiang Dongxing Petrochemical Company Limited
Sinopec Hainan Refining& Chemical Company Limited
Sinopec Tahe Refining& Chemical Company Limited
Sinopec Beihai Company
Sinopec Anqing Company
Sinopec Wuhan Company
Sinopec Jinling Company
...

CNOOC:

CNOOC Huizhou Oil Refining Project
CNOOC Zhoushan Petrochemical Ltd.
CNOOC (Taizhou) Petrochemical Ltd.
Shandong Binzhou BEFAR Group
CNOOC Zhanjiang Fuel Oil Co., Ltd.
CNOOC New Energy (Hainan) Biological Energy Chemical Co., Ltd.
CNOOC Huahe Coal Chemical Co., Ltd.
CNOOC Tianye Petrochemical Ltd.
CNOOC Energy Technology & Services Limited, Oil Production Technical Service Branch
...

PetroChina Oil & Gas Fields:

Daqing Oilfield Material Company
PetroChina Changqing Oilfield Company
PetroChina Jilin Oilfield Company
PetroChina Tarim Oilfield Company
PetroChina Qinghai Oilfield Company
PetroChina Yumen Oilfield Company
PetroChina Zhejiang Oilfield Company
...

Sinopec Oil & Gas Fields:

Sinopec Shengli Oilfield Company
Sinopec Southwest Petroleum & Natural Gas Company
Sinopec North China Petroleum Bureau
Sinopec Northeast Petroleum Bureau
Sinopec Zhongyuan Oilfield Company
Sinopec Henan Oilfield Company
...

Chemical and Coal Chemical Industry:

Zhejiang Petroleum& Chemical Co., Ltd.
China National Chemical Corporation
Shenhua Mengxi Huarui Chemical Co., Ltd.
Shenhua Ningxia Coal Industry Group Co., Ltd.
Zhongtian Hechuang Energy Co., Ltd.
Wanhua Polyurethane Co., Ltd.
Yunnan Yuntianhua Co., Ltd.
Guizhou Chitianhua Group Co., Ltd.
China National Bluestar (Group) Co., Ltd.
Shanxi Sanwei Group Co., Ltd.
Shandong Hualu Hengsheng Chemical Co., Ltd.
China Pingmei Shenma Group
Shanxi Weilai Energy Chemical Co., Ltd.
...

Nuclear Power, Military and Fluorine Chemical Industry:

Arkema (Changshu) Fluorine Chemicals Co., Ltd.
Do-Fluoride Chemicals Co., Ltd.
The 404 Company Limited, China National Nuclear Corporation
Jiangsu Meilan Chemical Group
Zhejiang Quhua Chemical Group
Shandong Dongyue Chemical Group
Changshu 3F Fluorochemical Industry Co., Ltd.
China National Chemical Corporation Ltd.
Qinshan Nuclear Power Station
China Nuclear Industry Fifth Construction Co., Ltd.
...

Iron and Steel Industry:

Wuhan Iron & Steel Co., Ltd.
Jilin Tongang Group
Jinan Iron & Steel Group
Laiwu Iron & Steel Group
Shougang Group
Shagang Group
Kungang Group
...

Electricity and Environmental Protection Industry:

Huadian Water Engineering Co., Ltd.
China Huaneng Group Co., Ltd.
Dongfeng Motor Corporation, Thermal Power Plant
Linyi City Yangguang Heating Power Co., Ltd.
Shandong Luneng Electric Power Co., Ltd.
Dalian Thermal Power Company
Shaoguan Pingshi Power Generation Plant
Ningbo Zhenhai Thermal Power Plant
Changsha Waste Water Treatment Plant
Xi'an Waste Water Treatment Plant
Jiaxing Waste Water Treatment Plant
Jiangsu Yihuan Group Co., Ltd.
Guang'an Power Plant

Food and Pharmacy Industry:

Hangzhou Wahaha Group Co., Ltd.
China Resources Snowflake Brewery Co., Ltd.
Guangzhou Zhujiang Brewery Group Co., Ltd.
Northeast Pharm Group Co., Ltd.
Zhejiang NHU Company Ltd.
Fujian South Pharmaceutical Co., Ltd.
Wufangzhai Group
...

Export:

CNPC (Turkmenistan) Amu Darya River Gas Company
(SSKOC) Syria Kaukab Oil Company
Open Joint Stock Company
400,000t/a Bleached Kraft Pulp Plant Project in Svetlogorsk, Belarus
Hong Kong Sha Tin Water Supplies Department
Venezuela Bisilliat Combined Cycle Power Plant Project
100*108m3/a Commodity Gas Construction Project, South Yolotan, Turkmenistan
Afghanistan Kashkari Oilfield Exploitation
Iraq Missan Water and Oil Waste Water Treatment Project
Sudan Area 37
Indian Oilfield
Lordegan Urea Fertilizer Project, Iran
Mis Fertilizer Project, Iran
...

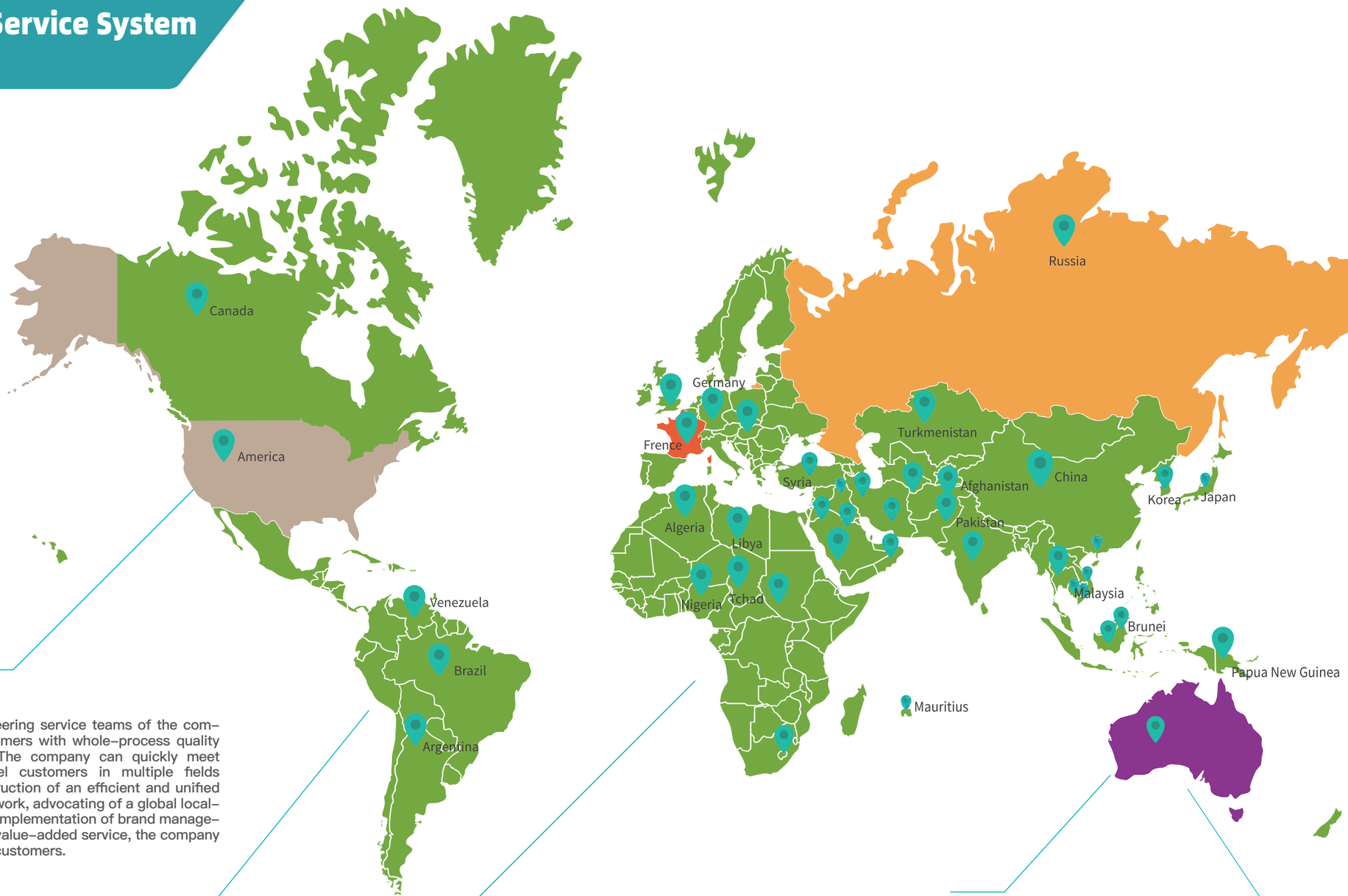
Design Institutes and University Science Research Institutions:

China Huanqiu Contracting & Engineering Co., Ltd.
Sinopec Engineering Incorporation (SEI)
Sinopec Luoyang Petrochemical Engineering Corporation Ltd.
China Chengda Engineering Co., Ltd.
Hualu Engineering & Technology Co., Ltd.
Sinopec Ningbo Petrochemical Engineering Co., Ltd.
China Wuhuan Engineering Co., Ltd.
China Petroleum First Construction Corporation
China Petroleum Engineering & Construction Corporation, Huadong Design Branch
Zhejiang University
Xi'an Jiaotong University
Southeast University
China Jiliang University
Zhejiang Sci-Tech University
...

Mining, Metallurgy and Energy Industry:

China ENFI Engineering Co., Ltd.
Zhejiang Huayou Chemical Co., Ltd.
GEM Co., Ltd.
Shanshan Energy (Ningxia) Co., Ltd.
Fujian Ningde Xinshidai New Energy Co., Ltd.
Shangluo BYD Industry Co., Ltd.
Qinghai Juzhiyuan New Material Co., Ltd.
Do-fluoride Chemicals Co., Ltd.
Jinchuan Group Co., Ltd.
...

Global Service System

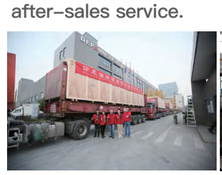


Sales Network

The professional engineering service teams of the company can provide customers with whole-process quality and efficient service. The company can quickly meet demands of multi-level customers in multiple fields through initiative construction of an efficient and unified global sales service network, advocating of a global localization sales mode and implementation of brand management. Due to supply of value-added service, the company is highly praised by its customers.

Customer Orientation

The company has built a global technical service network offering pre-sales and after-sales service.



Integrated Service

- Vibration Analysis
- Fluid Assessment
- Site Commissioning
- System Testing
- Service and Repairing Contract
- Global Service
- Diagnosis of Change in Operation Conditions
- Extension and Modification of Running Pump and System

Extensible System Solution

- Pump Instrumentation
- VFD Capacity Adjustment
- System-oriented Operation Interface
- Electronic Control of Online and Offline System Checkout

Consulting and Engineering with Special Requirements

Conilowa products are widely applied all over the world, which brings lots of experience where the company can learn and benefit. As a supplier of solutions and systems for liquid transfer, metering and mixed application, we can provide personalized solutions from the smallest independent unit to the biggest multi-link pump installation; at the same time, we can provide process engineering consulting for complex processes as well as solutions meeting the needs of special processes.

- Fluid Evaluation
- Independent Design
- Cost Accounting
- Commissioning and Service
- Seminars and Site Training