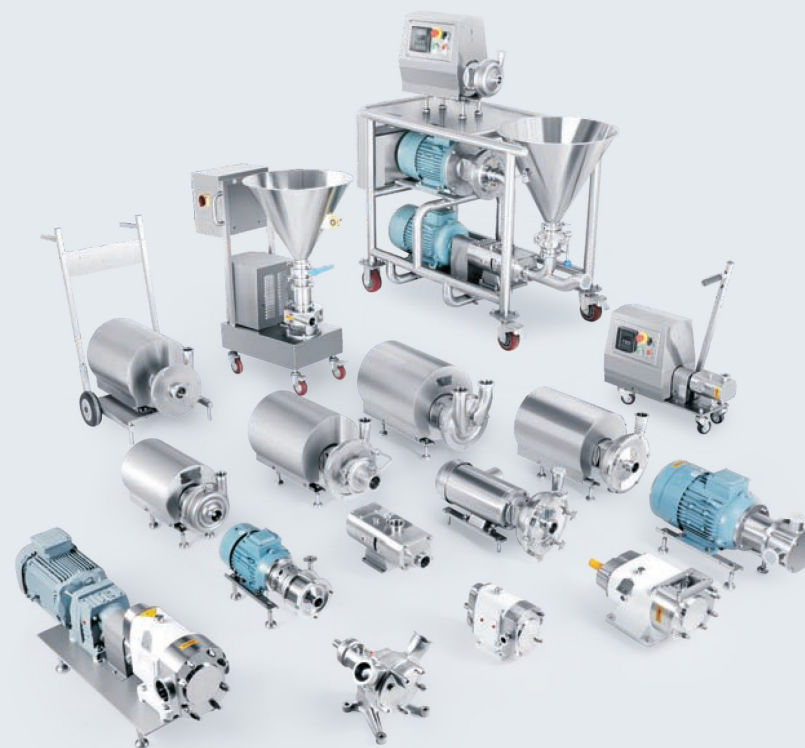




Beluno pumps



BELUNO

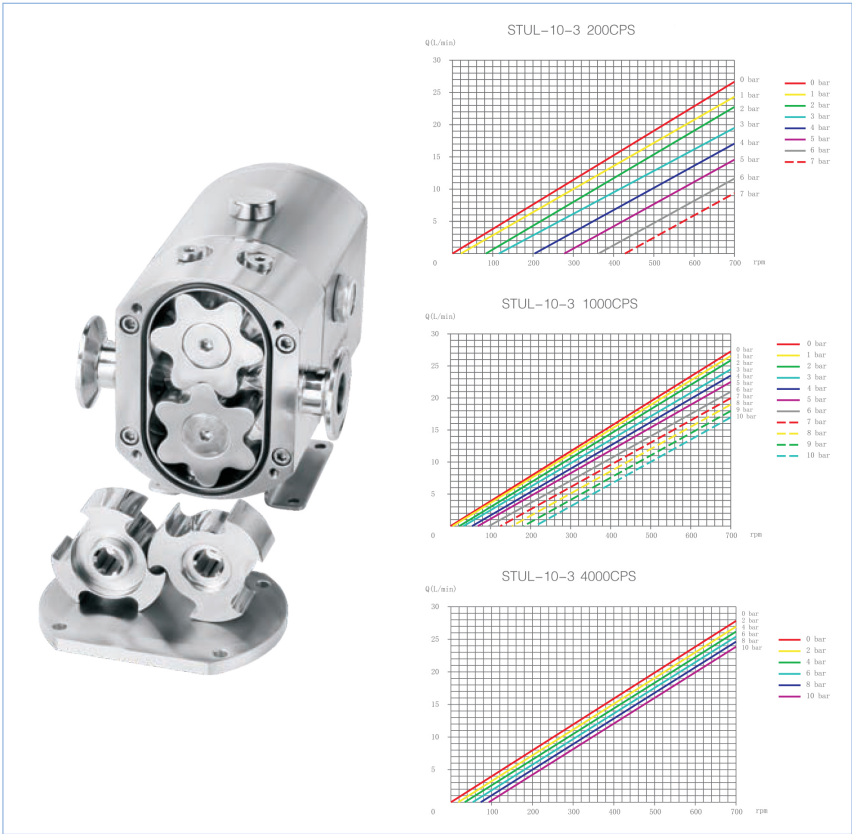
MINI STU-10 lobe pump

Flexible solution for two-direction reversible, high viscosity, low viscosity, all stainless steel, low pulse, liquid transportation



MINI-STU-R/L-10 Lobe Pump - Technical Characteristics Table - Selection Table

Model	Pressure (bar)	Motor (kw)	Inlet,Outlet size	Flow per revolution (L/R)	Recommended speed range (RPM)	Recommended speed range flow (L/h)	Recommended speed (RPM)	Recommended speed flow (L/h)	NW (KG)
Technical parameters – Selection table for 3–leaves mini rotor pump									
STU-R/L–10	2	0.75	1"–DN25	0.035	50–700	105	1470	500	24
	3	1.5							31
	5	2.2							34
	10	3.0							43
Technical parameters – Selection table for 5–leaves mini rotor pump									
STU-R/L–10	2	0.75	1"–DN25	0.03	50–700	90	1260	500	24
	3	1.5							31
	5	2.2							34
	10	3.0							43

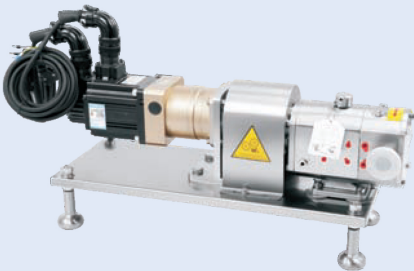


Technical Specifications

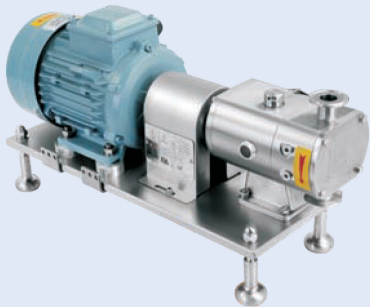
Max flow	3000L/h
Max pressure	12bar
Speed range	10-1450 R.P.M
Working temperature	-40°C to 150°C
Surface treatment	Ra≤0.6 μ m；EP=Ra0.4 μ m
Material	100% stainless steel, parts contacting medium 316L Dual-phase steel 2205, Hastelloy alloy C276
Certification	3-A-02-12 No.1759; FDA 177.2600; CE-MD/06-42 No .705201402401-00

MINI STU-10 lobe pump

The design of each pump is based on – US Sanitary Standard "3A-02-12", EU Safety Directive Design "MD/06/42/EC"
International leading partners – Siemens, ABB, SEW, WH, Roplan, to ensure that each pump is more durable, efficient, clean and safe



Servo Motor Drive-MINI Rotor Pump



Motor direct connection type-MINI rotary lobe pump

TU/STU series lobe pump



Solution for two-direction reversible,
high pressure, high and low viscosity, solid
granule high clean solution

There are 2 series of rotary lobe pumps:
TU series – cast iron gearbox
STU series–all stainless steel gearbox



Technical Specifications

Max.flow	90m ³ /h/395 GPM
Max.pressure	15bar/220 Psi
Max.Temperature	150°C/302°F
Max.rev	750 rpm
Material	316L, 1.4404, ASME BPE 316L, 1.4435 NB2 Fe≤0.5% Dual-phase steel 2205, Hastelloy alloy C276
Surface treatment	≤ Ra0.8 μm, ≤ Ra0.6 μm, ≤ Ra0.4 μm
Certification	3-A-02-12 No.1759; FDA 177.2600; CE-MD/06-42 No.705201402401-00

Rotor configurations

The design of each pump is based on –
US Sanitary Standard "3A–02–12",
EU Safety Directive Design "MD/06/42/EC"
International leading partners –
Siemens, ABB, SEW, WH, Roplan,
to ensure that each pump is more durable,
efficient, clean and safe

Different rotor configurations
are available for STU and TU series
rotary lobe pumps



Various Rotor Selection



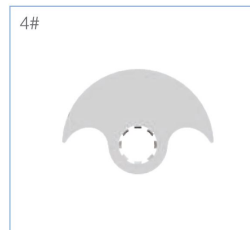
Butterfly rotor (recommended):
With low particle breakage rate and
small pulse, suitable for transporting



3-leaves rotor (optional):
With granule breakage rate and smaller pulse
than butterfly rotor, suitable for transporting all



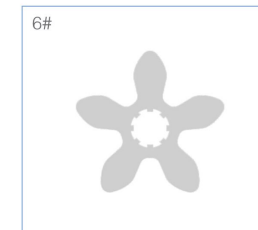
Spiral 3-leaves rotor (optional):
With low granule breakage rate, very
small pulse and high cost, suitable for



Single butterfly rotor (optional):
With low granule breakage rate for large
particle, large pulse, low pressure and
small volume, suitable for transporting
material with large particle.



2-leaves rotor (optional):
With granule breakage rate, large pulse,
low pressure and small volume, suitable
for transporting all kinds of material.



5-leaves rotor (optional):
With high granule breakage rate, very
small pulse and smaller flow, suitable for
transporting all kinds of material.

TU- & STU series lobe pump, parameter selection table

Model	Inlet/Outlet	Max pressure (bar)	Max speed per minute	Recommended speed range per minute	Flow per revolution (L/R)	Max flow (m³/h)	Flow (m³/h)	Flow per revolution (L/R)	Max flow (m³/h)	Flow (m³/h)		
												
TUL/TUR-20	1"-DN25	15	700	50-450	0.122	5.1	0.37	3.29	0.137	5.8	0.41	3.7
TUL/TUR-23	1.5"-DN40	15	700	50-450	0.171	7.2	0.51	4.62	0.192	8.1	0.58	5.2
TUL/TUR-25	2"-DN50	15	700	50-450	0.240	10.1	0.72	6.48	0.270	11.3	0.81	7.3
TUL/TUR-30	2"-DN50	15	700	50-400	0.374	15.7	1.12	8.98	0.420	17.6	1.26	10.1
TUL/TUR-35	2.5"	12	700	50-400	0.468	19.7	1.40	11.23	0.526	22.1	1.58	12.6
TUL/TUR-55	DN65	12	500	50-350	0.531	15.9	1.59	11.15	0.597	17.9	1.79	12.5
TUL/TUR-60	3"	10	500	50-350	0.586	17.6	1.76	12.31	0.659	19.8	1.98	13.8
TUL/TUR-70	3"	15	500	50-350	1.371	41.1	4.11	28.79	1.511	45.3	4.53	31.7
TUL/TUR-80	DN80	15	500	50-350	1.371	41.1	4.11	28.79	1.511	45.3	4.53	31.7
TUL/TUR-100	4"-DN100	10	500	50-350	1.758	52.7	5.27	36.92	1.938	58.1	5.81	40.7
TUL/TUR-125	5"-DN125	10	500	50-350	2.233	67.0	6.70	46.89	2.461	73.8	7.38	51.7

TU/STU series lobe pump

TU- & STU series lobe pump, parameter selection table

Model	Inlet/Outlet	Max pressure (bar)	Max speed per minute	Recommended speed range per minute	Flow per revolution (L/R)	Max flow (m³/h)	Flow (m³/h)	Flow per revolution (L/R)	Max flow (m³/h)	Flow (m³/h)		
												
TUL/TUR-20	1"-DN25	15	700	50-450	0.121	5.1	0.36	3.27	0.136	5.7	0.41	3.7
TUL/TUR-23	1.5"-DN40	15	700	50-450	0.171	7.2	0.51	4.62	0.192	8.1	0.58	5.2
TUL/TUR-25	2"-DN50	15	700	50-450	0.240	10.1	0.72	6.48	0.269	11.3	0.81	7.3
TUL/TUR-30	2"-DN50	15	700	50-400	0.374	15.7	1.12	8.98	0.417	17.5	1.25	10.0
TUL/TUR-35	2.5"	12	700	50-400	0.468	19.7	1.40	11.23	0.522	21.9	1.57	12.5
TUL/TUR-55	DN65	12	500	50-350	0.531	15.9	1.59	11.15	0.593	17.8	1.78	12.5
TUL/TUR-60	3"	10	500	50-350	0.586	17.6	1.76	12.31	0.654	19.6	1.96	13.7
TUL/TUR-70	3"	15	500	50-350	1.365	41.0	4.10	28.67	1.507	45.2	4.52	31.6
TUL/TUR-80	DN80	15	500	50-350	1.365	41.0	4.10	28.67	1.507	45.2	4.52	31.6
TUL/TUR-100	4"-DN100	10	500	50-350	1.750	52.5	5.25	36.75	1.932	58.0	5.80	40.6
TUL/TUR-125	5"-DN125	10	500	50-350	2.222	66.7	6.67	46.66	2.454	73.6	7.36	51.5

TU- & STU series lobe pump, parameter selection table

Model	Inlet/Outlet	Max pressure (bar)	Max speed per minute	Recommended speed range per minute	Flow per revolution (L/R)	Max flow (m³/h)	Flow (m³/h)	Flow per revolution (L/R)	Max flow (m³/h)	Flow (m³/h)		
												
TUL/TUR-20	1"-DN25	15	700	50-450	0.137	5.8	0.41	3.70	0.144	6.0	0.43	3.9
TUL/TUR-23	1.5"-DN40	15	700	50-450	0.192	8.1	0.58	5.18	0.203	8.5	0.61	5.5
TUL/TUR-25	2"-DN50	15	700	50-450	0.270	11.3	0.81	7.29	0.285	12.0	0.86	7.7
TUL/TUR-30	2"-DN50	15	700	50-400	0.420	17.6	1.26	10.08	0.442	18.6	1.33	10.6
TUL/TUR-35	2.5"	12	700	50-400	0.526	22.1	1.58	12.62	0.554	23.3	1.66	13.3
TUL/TUR-55	DN65	12	500	50-350	0.597	17.9	1.79	12.54	0.629	18.9	1.89	13.2
TUL/TUR-60	3"	10	500	50-350	0.659	19.8	1.98	13.84	0.695	20.9	2.09	14.6
TUL/TUR-70	3"	15	500	50-350	1.511	45.3	4.53	31.73	1.584	47.5	4.75	33.3
TUL/TUR-80	DN80	15	500	50-350	1.511	45.3	4.53	31.73	1.584	47.5	4.75	33.3
TUL/TUR-100	4"-DN100	10	500	50-350	1.938	58.1	5.81	40.70	2.031	60.9	6.09	42.7
TUL/TUR-125	5"-DN125	10	500	50-350	2.461	73.8	7.38	51.68	2.579	77.4	7.74	54.2



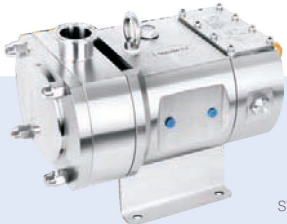
TUL-Series



TUR-Series



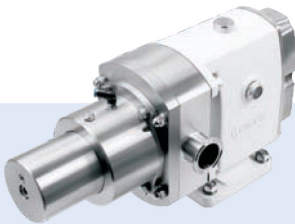
STUL-Series
All stainless steel



STUR-Series
All stainless steel



External safety valve +
heat-keeping system



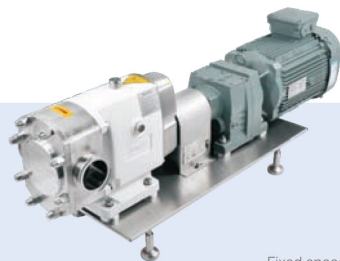
Built-in security system

Configuration of various functions they are suitable for STU and TU series rotary lobe pumps

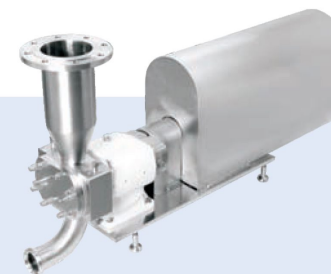
TU/STU series lobe pump



Square flange interface



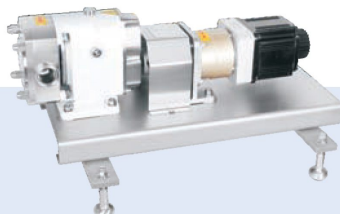
Fixed speed ratio motor reducer



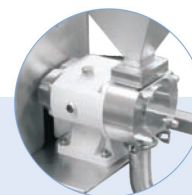
Special-shaped inlets and outlets
can be customized according to users



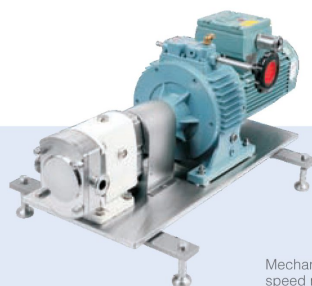
Control box + mobile car



Servo motor drive



Trolley square hopper rotor pump



Mechanical stepless
speed regulation



Multifunctional rotor pump

Configuration of various functions they are suitable for STU and TU series rotary lobe pumps

TU/STU series lobe pump

Very wide range of applications



Food and Drink

Soups, Stews, Tomato Paste, Vegetables, Dressings, Chocolate, Fats & Oils, Cream Fillings, Brewery, Wort, Soft/Fruit Drinks, Meat Processing.



Dairy

Cream, milk, cheese curd and whey, cottage cheese, yogurt.



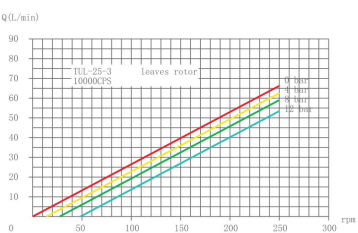
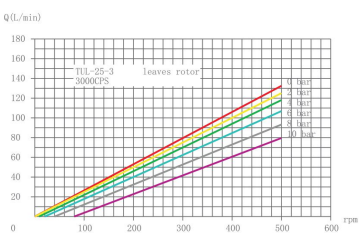
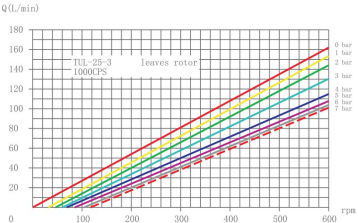
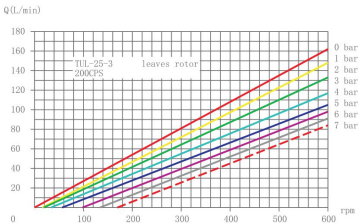
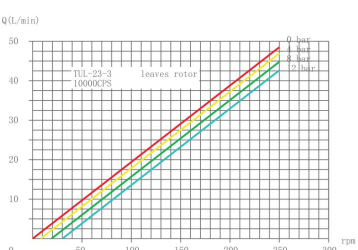
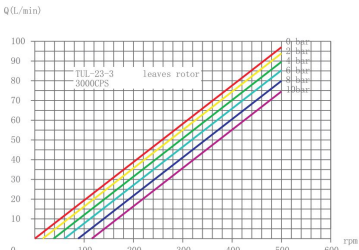
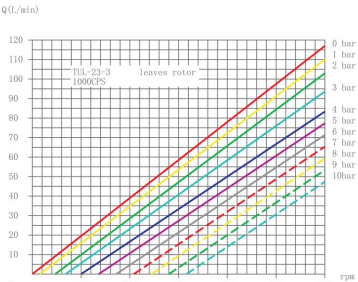
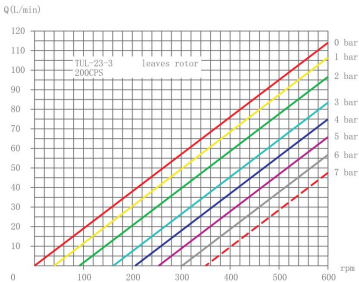
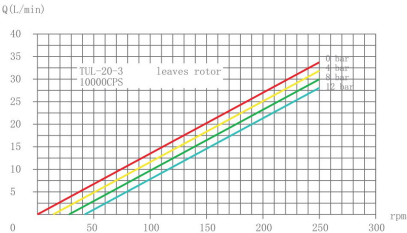
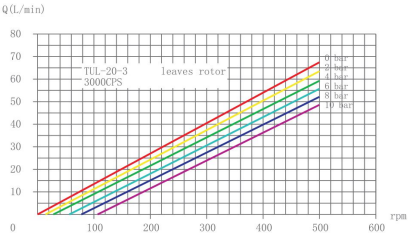
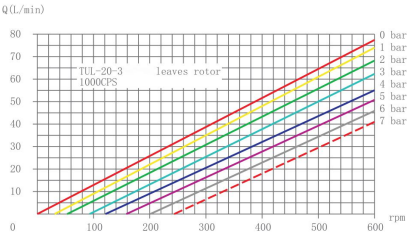
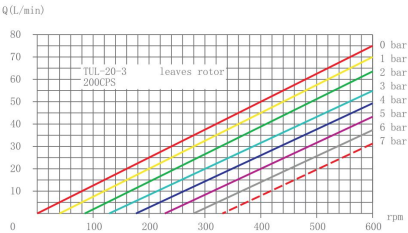
Pharmaceutical/Cosmetics

Pill Pastes, Syrups, Extracts, Slurries, Face Creams & Lotions, Hair Styling Gels & Liquids, Dyes & Alcohols, Soaps, Cosmetics.

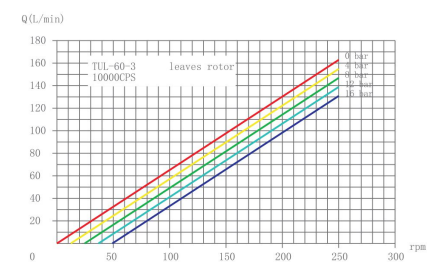
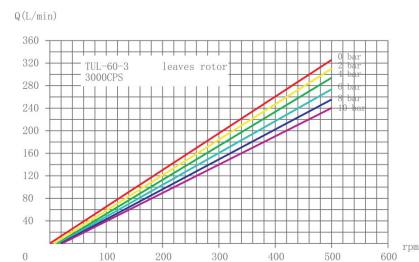
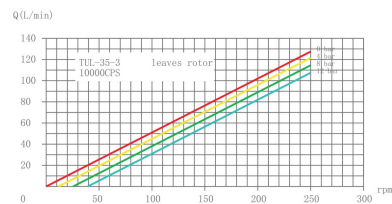
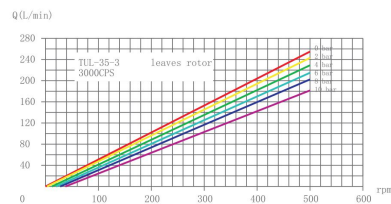
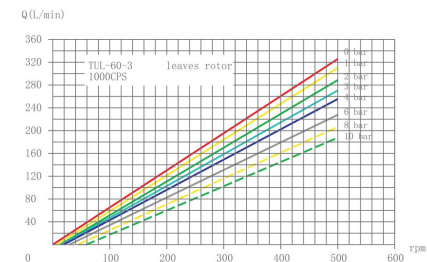
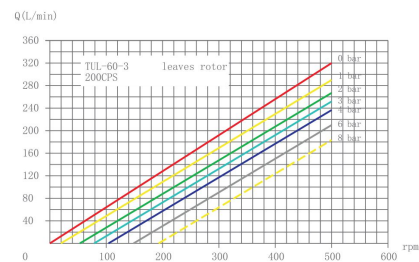
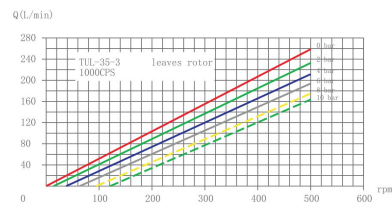
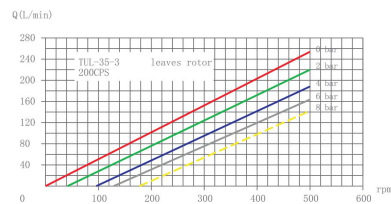
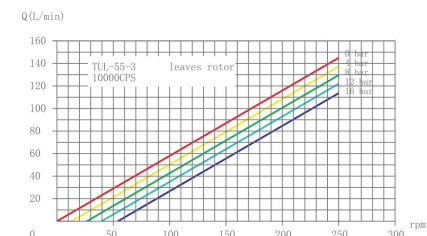
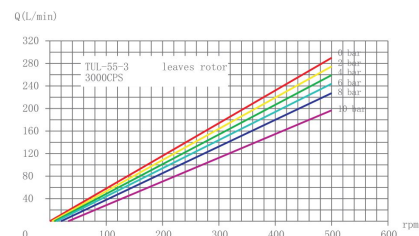
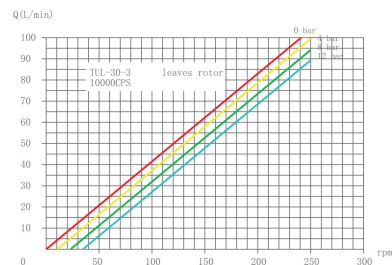
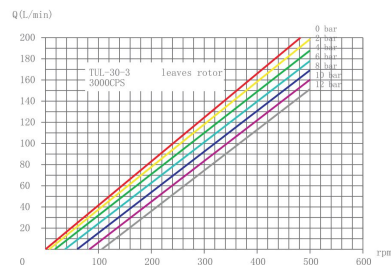
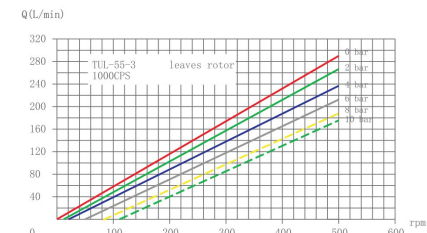
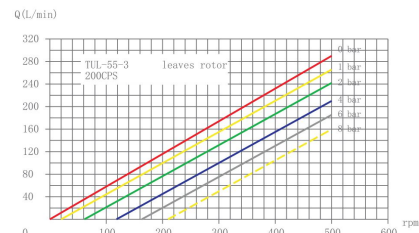
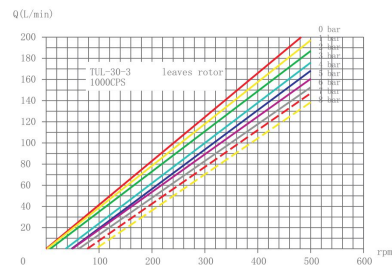
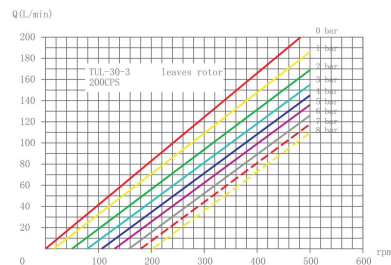


Chemical/Industrial

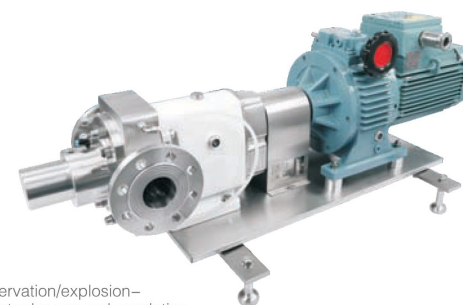
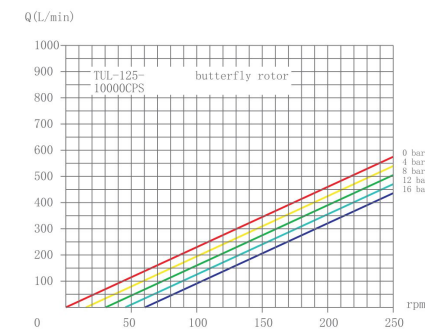
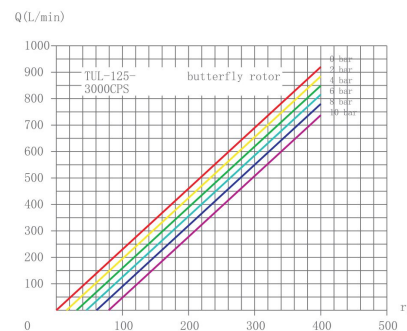
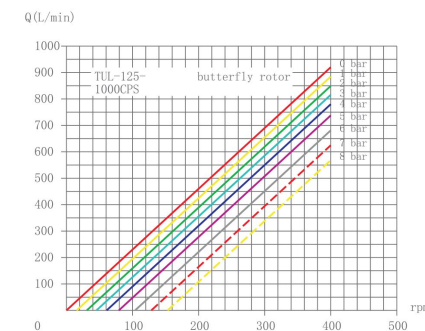
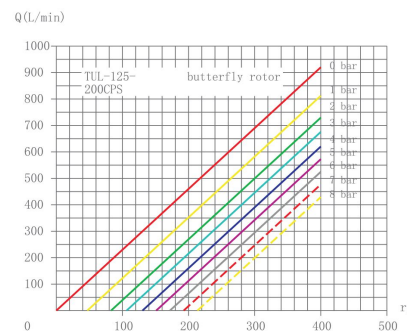
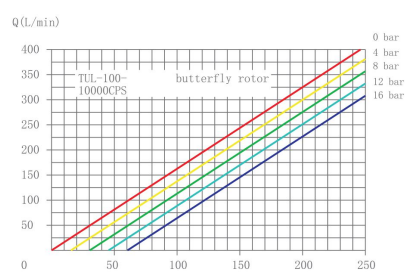
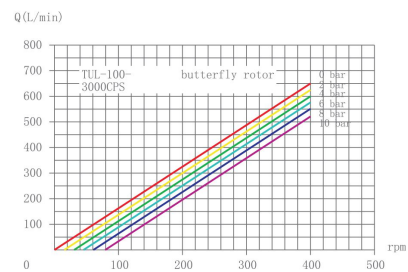
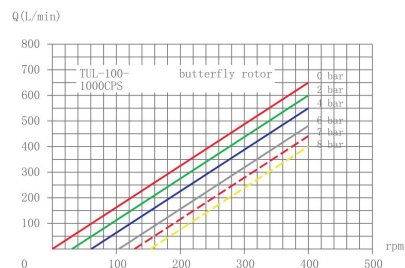
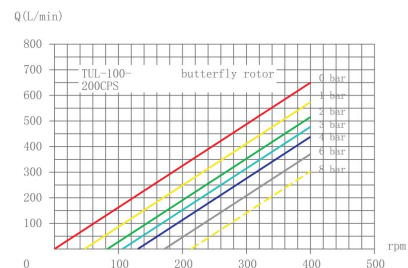
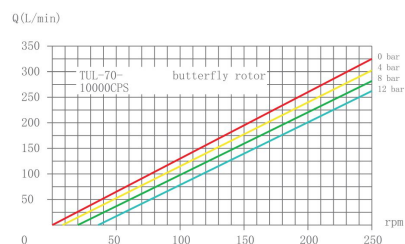
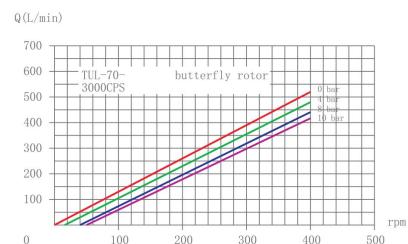
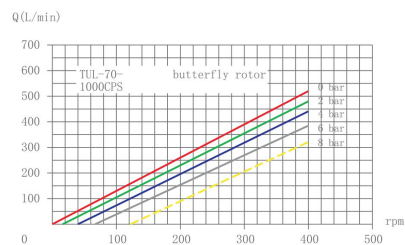
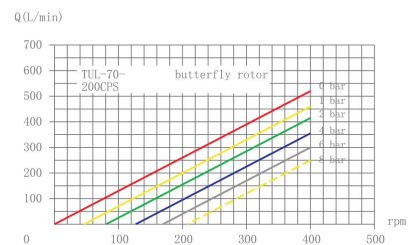
Solvents, Paints, Fuels, Resins, Polymers & Sludges, Oil & Lubricants.



TU/STU series lobe pump



TU/STU series lobe pump

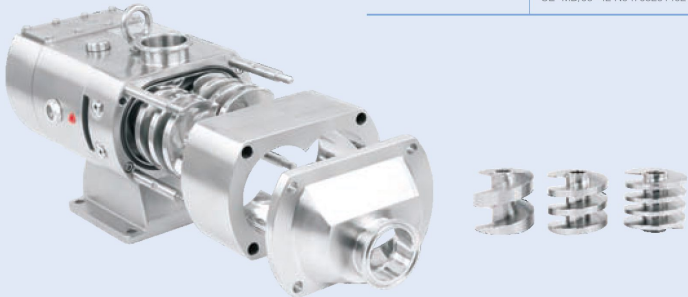


Built-in safety/heat preservation/explosion-proof motor/mechanical stepless speed regulation

LG series twin screw pump

Bidirectional reversible operation, high and low viscosity, no pulse, high pressure, Solutions for non-damaged and flexible conveying of various materials including granule

Efficient, clean, safe and durable
Simple maintenance, no professional required

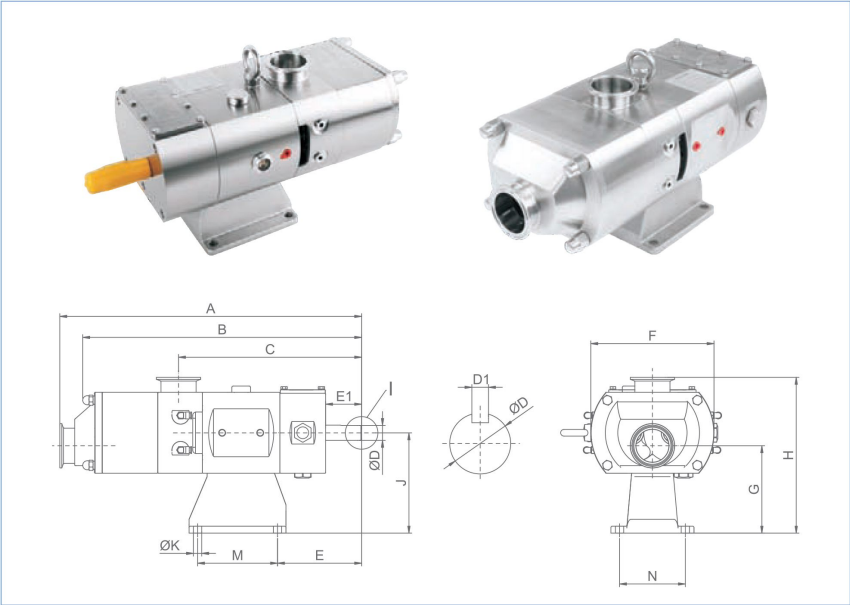


Technical Specifications

Max flow	180m³/h
Max particles	39mm
Max pressure	20bar
Speed range	10–3500 R.P.M
Working temperature	–40°C to 150°C
Surface treatment	Ra≤0.6 μ m; EP=Ra0.4 μ m
Material	100% stainless steel, Medium contact part 316L
Certification	3–A–02–12 No.1759; FDA 177.2600; CE–MD/06–42 No.705201402401–00

LG Screw Pump Technical Parameter Table

Model	Screw pitch (mm)	Discharge per revolution	Max flow (L/m)	Max flow (m³/h)	(rpm) Max speed (minutes)	Max diameter of passed granule (mm)	Max pressure (bar)	Head port (inlet)	Body port (outlet)	Net weight (kg)
LGR-20-18	18	0.07	252	15	3600	8.5	20	1"–2"	1"–2"	30
LGR-20-26	26	0.10	360	22	3600	12.5	20			
LGR-20-39	39	0.15	435	26	2900	19.0	20			
LGR-30-24	24	0.14	406	24	2900	11.5	20	2.5"–3"	2"–3"	59
LGR-30-40	40	0.25	725	44	2900	19.5	20			
LGR-30-60	60	0.37	1073	64	2900	29.5	20			
LGR-70-32	32	0.47	1363	82	2900	15.5	20	3"–4"	3"–4"	155
LGR-70-54	54	0.79	2291	137	2900	26.5	20			
LGR-70-80	80	1.17	3393	204	2900	39.5	20			



LG-R Screw Pump Dimension Data Chart

Model	Cover port (Inlet)	Body port (outlet)	Assembly Dimension																	
	Inlet	Outlet	B	C	D	D1	E	E1	F	G	J	K	M	N	Clamp		Thread		Flange	
															A	H	A	H	A	H
DJ-LGR-20-18	1"-2"	1"-2"	385	265	22	6	122	52	178	127	145	12	116	95	436	225	445	234	447	231
DJ-LGR-20-26	1"-2"	1"-2"	385	265	22	6	122	52	178	127	145	12	116	95	436	225	445	234	447	231
DJ-LGR-20-39	1"-2"	1"-2"	385	265	22	6	122	52	178	127	145	12	116	95	436	225	445	234	447	231
DJ-LGR-30-24	2.5"-3"	2"-3"	520	354	28	8	181	57.5	225	162	180	12	190	125	589	280	601	296	595	289
DJ-LGR-30-40	2.5"-3"	2"-3"	520	354	28	8	181	57.5	225	162	180	12	190	125	589	280	601	296	595	289
DJ-LGR-30-60	2.5"-3"	2"-3"	520	354	28	8	181	57.5	225	162	180	12	190	125	589	280	601	296	595	289
DJ-LGR-70-32	3"-4"	3"-4"	634	411	42	8	196	73	322	206	183.5	18	300	194	720	376	727	383	730	386
DJ-LGR-70-54	3"-4"	3"-4"	634	411	42	8	196	73	322	206	183.5	18	300	194	720	376	727	383	730	386
DJ-LGR-70-80	3"-4"	3"-4"	634	411	42	8	196	73	322	206	183.5	18	300	194	720	376	727	383	730	386

LG series twin screw pump



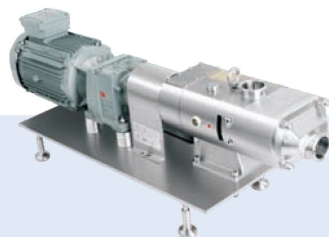
Screw pump with hopper



Screw pump with motor cover
+ Pump head insulation jacket



Screw pump with motor



Screw pump with motor and reducer

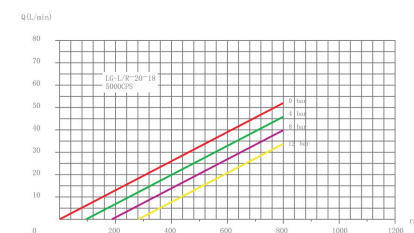
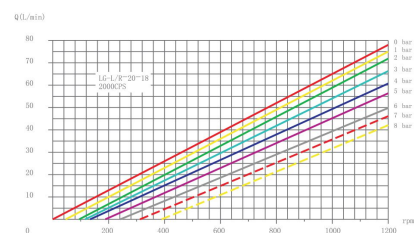
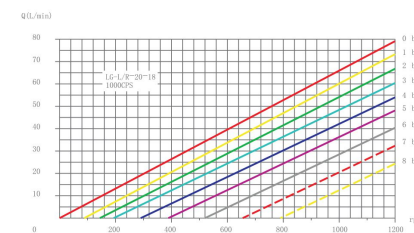
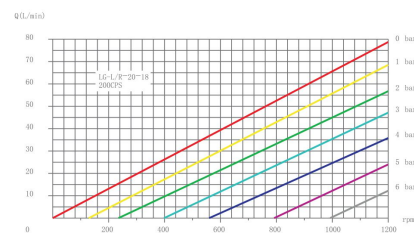


Mobile screw pump

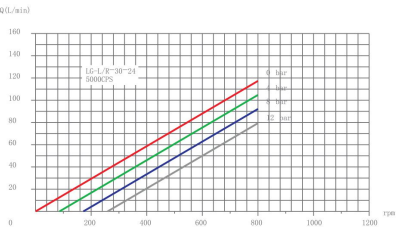
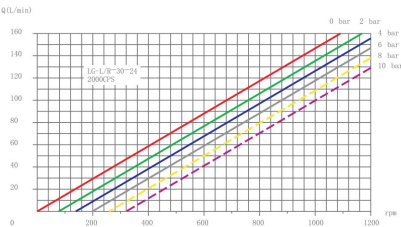
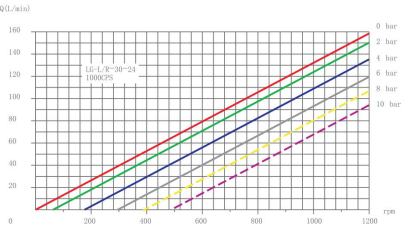
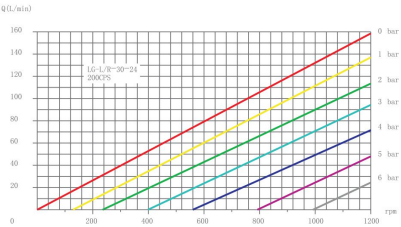
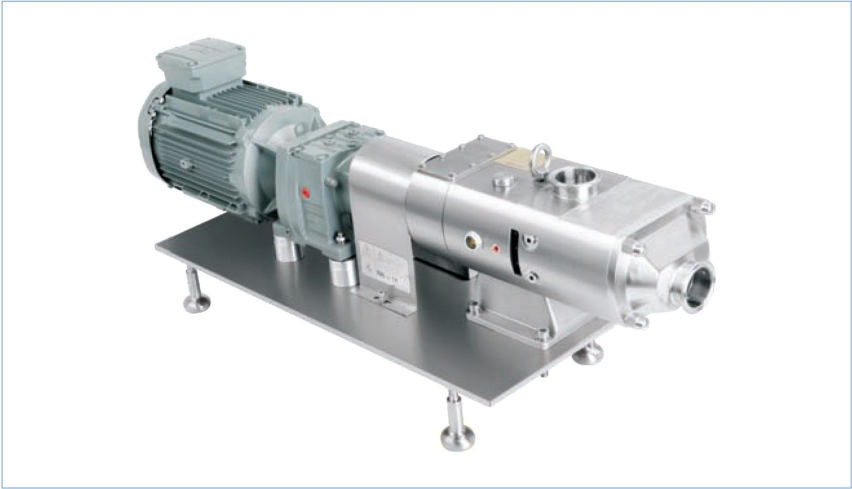
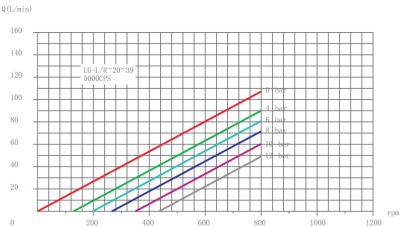
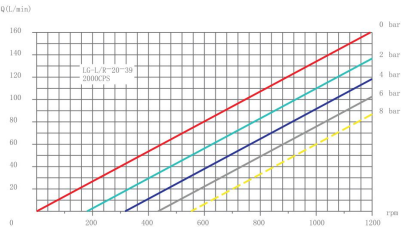
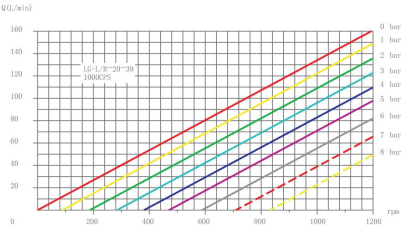
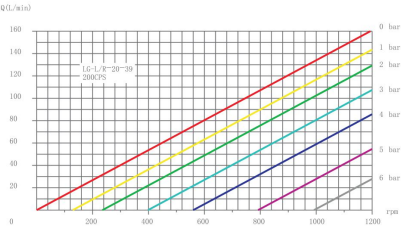
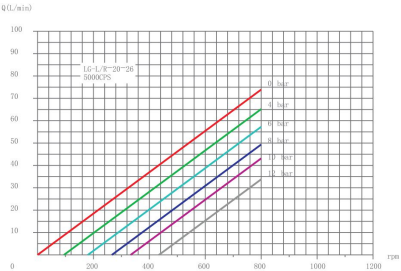
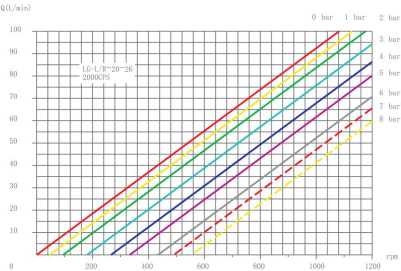
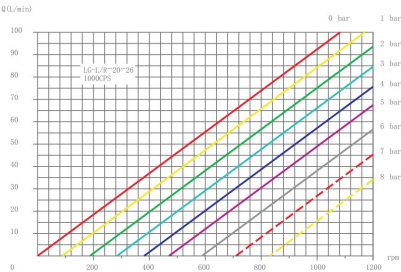
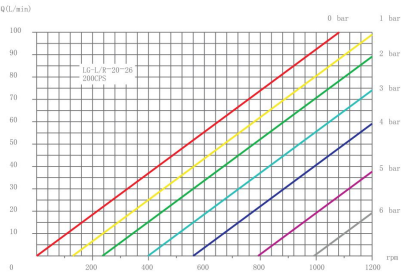


Screw pump with mobile and control box

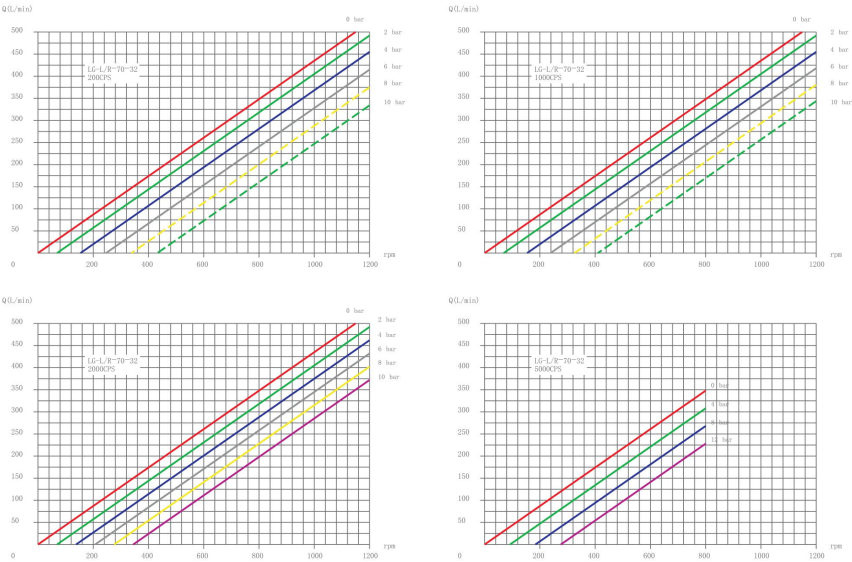
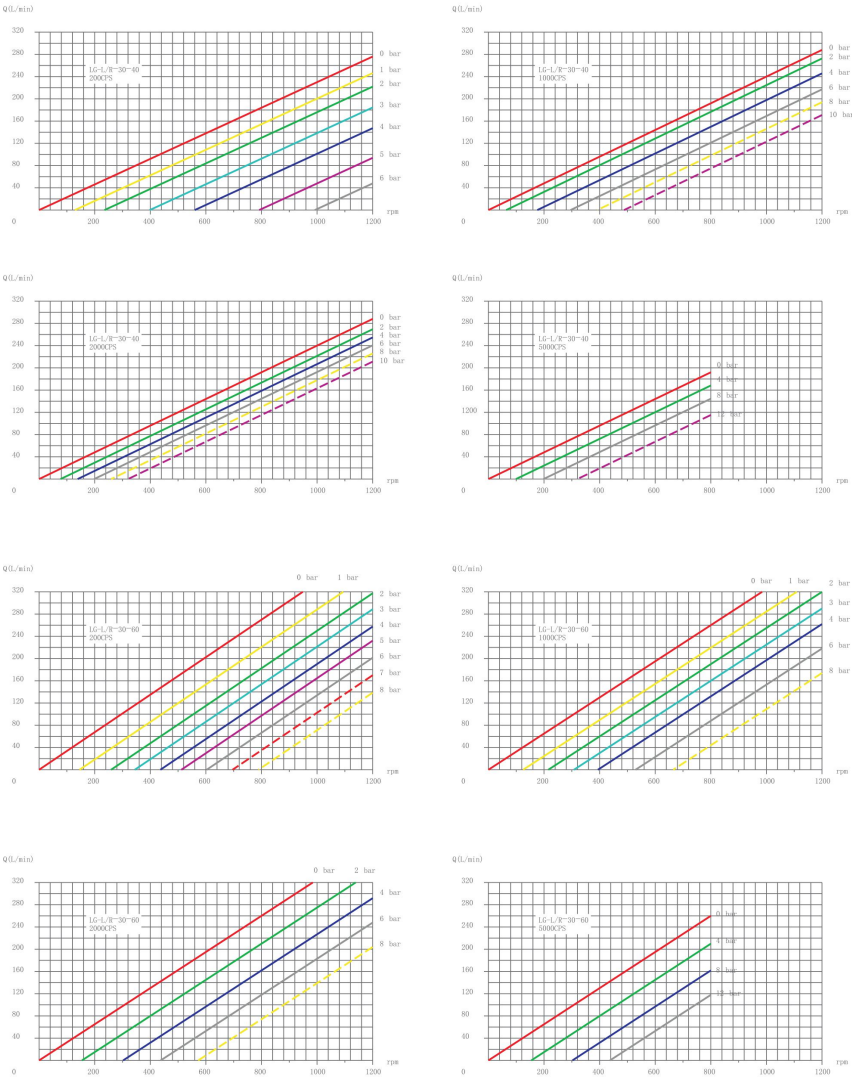
Screw pump curve



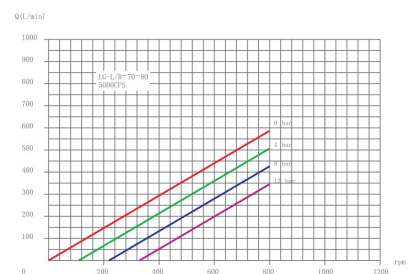
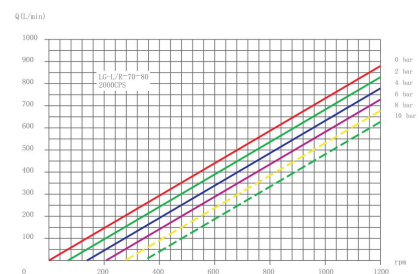
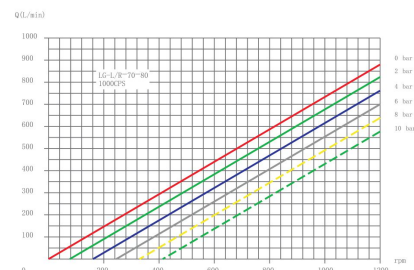
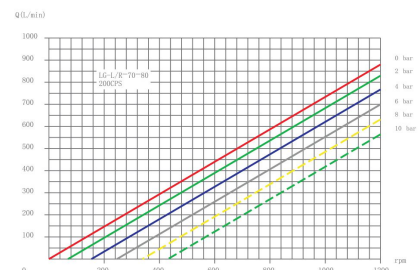
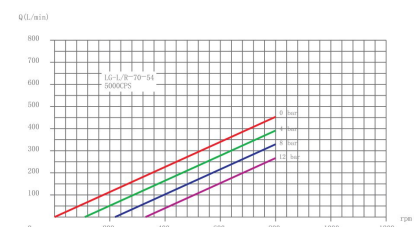
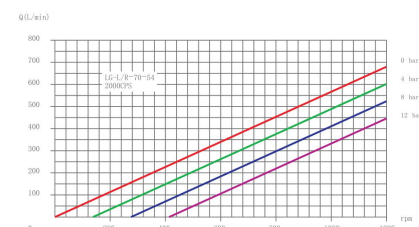
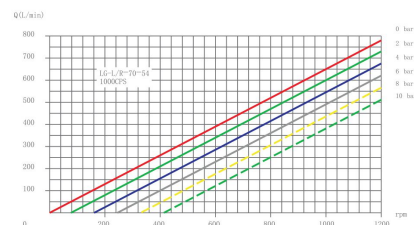
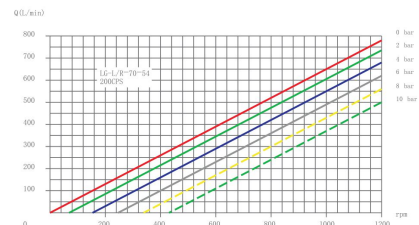
Screw pump curve



Screw pump curve



Screw pump curve



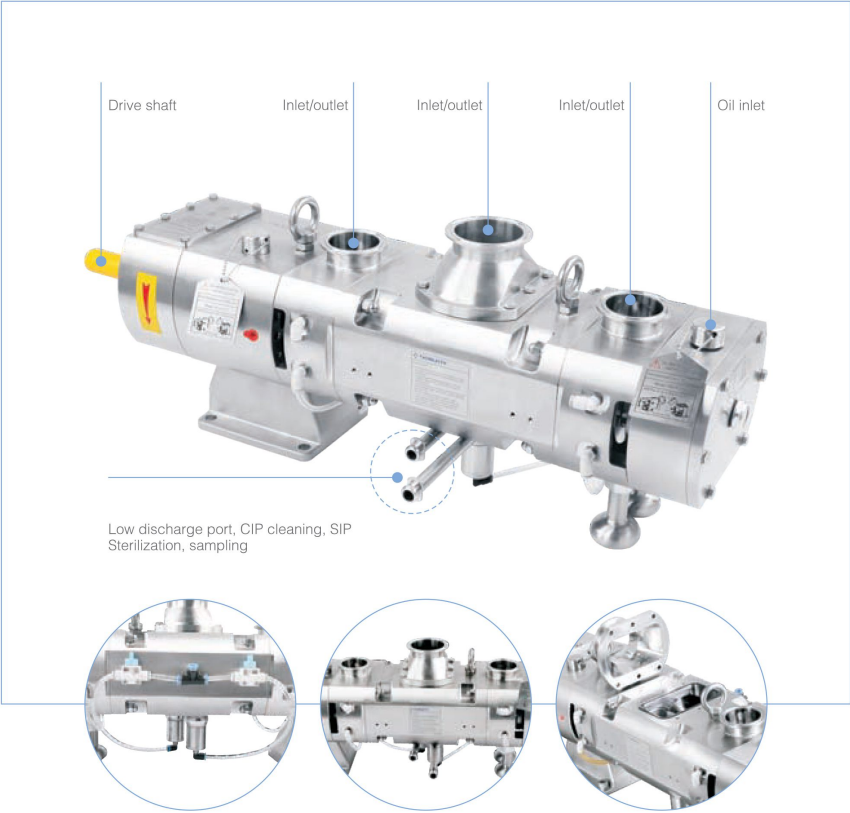
Double head twin screw pump



S-LG series screw pump
Higher flow, higher pressure, double suction inlet, multi-task processing,
multi-function bidirectional reversible operation, high and low viscosity, no pulse, containing
granule and other materials without damage and flexible transportation solutions

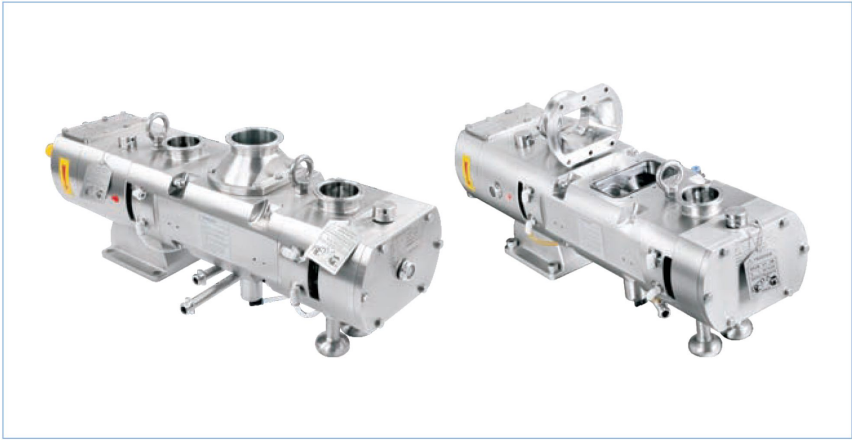
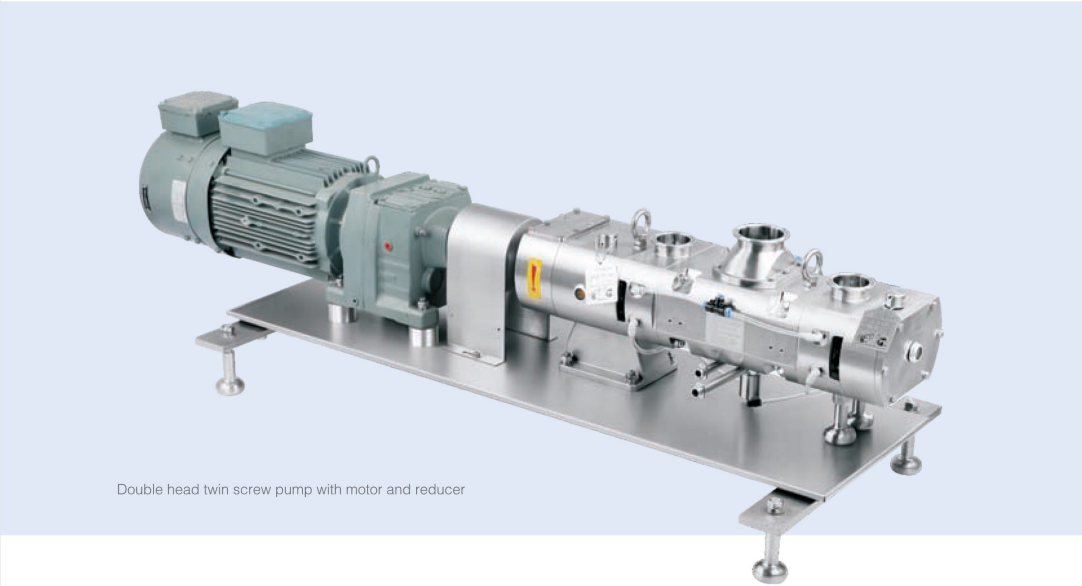


Double head twin screw pump



Technical Parameter Table of Screw Pump

Model	Screw pitch (mm)	Discharge per revolution (L/Rev)	Max flow (L/m)	Max flow (m³/h)	(rpm) Max speed (minutes)	Max diameter of passed granule (mm)	Max pressure (bar)	Head port (inlet)	Body port (outlet)	Net weight (kg)
SLGR-20-18	18	0.14	280	17	2000	8.5	20	2.5"-DN65	2"-DN50	55
SLGR-20-26	26	0.20	400	24	2000	12.5	20			
SLGR-20-39	39	0.30	600	36	2000	19.0	20			



Sine pump series

Bidirectional reversible operation, worry-free granule transferring, no damage to material transferring, worry-free high and low viscosity, super self-priming ability, no pulse in transferring, clean, efficient, durable, safe, and low-cost solutions



Sine pump is a new type of positive displacement pump, which has the characteristics of more compact structure, higher conveying efficiency, and wider viscosity range of applicable conveying medium. Can be widely used in food, beverage, dairy, chemical, pharmaceutical and other industries.

Technical advantages

- Ultra-low shear conveying to effectively ensure media integrity
- High suction capacity, inlet negative pressure can reach -0.85bar
- Low-pulse conveying can effectively prevent pipeline vibration, make the medium convey smoothly and quickly, and also increase the measurement accuracy
- The conveying process is gentle, and it is not easy to generate air bubbles
- Bidirectional operation
- Simple and fast maintenance
- All medium contacting parts comply with FDA and EC1935 standards
- Wide range of medium viscosity, 1cp to 8,000,000cps

Very wide application range, and the high viscosity has little effect on the pump power, and the conveyed particles are not damaged



Sine pump series



Technical Specifications

Max flow	93m ³ /h
Max pressure	15 bar
Max Temperature	130°C, Suitable for CIP or SIP cleaning and sterilization
Material	1.4404/SS316L Dual-phase steel 2205, Hastelloy alloy C276
Certification	3-A-02-12, FDA177.2600, 177.1550, MD/06/42/EC



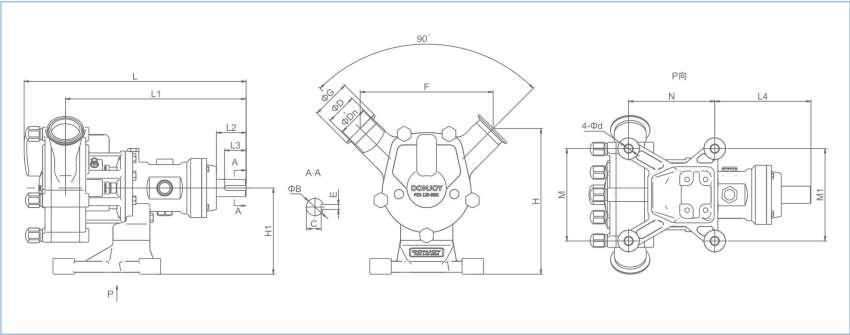
Optional Interface Orientation



With "★" completely self-draining, the user can freely decide which connection method to use according to the working conditions, without the need for factory definition

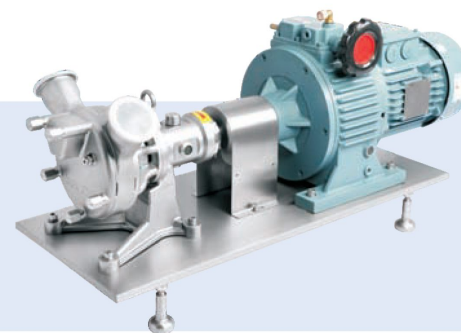
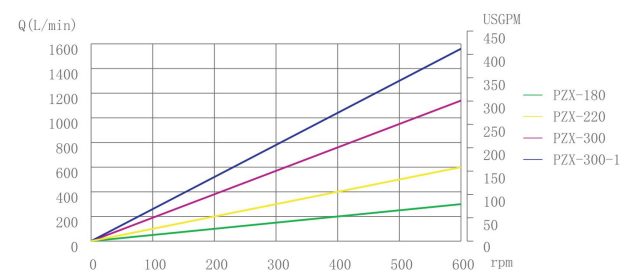
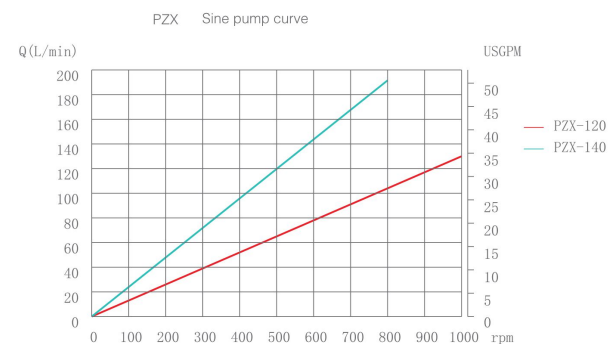
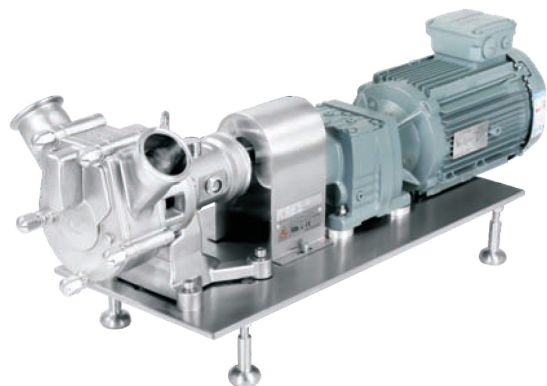
Sine pump selection table

Model	Max granule diameter(mm)	Discharge per revolution(L/Rev)	Max speed(rpm)	Max flow(m ³ /h)	Max pressure(bar)	Temperature	mm Shaft diameter
PZX-120	12	0.13	900	7.0	10	100	28
PZX-140	18	0.24	800	11.5	15	100	28
PZX-180	26	0.50	600	18.0	15	100	42
PZX-220	32	1.00	600	36.0	15	100	42
PZX-300	38	1.90	600	68.4	15	100	48
PZX-300-1	50	2.60	600	93.6	15	100	48



Model	D	Dn	G	F	H	H1	L	L1	L2	L3	L4	M	M1	N	Φd	B	C	E
PZX-120	50.8	47.5	64	216	237	140	360.6	293.5	44.2	35	156.2	150	150	140	13	28	24	8
PZX-140	63.5	59.5	77.5	241.5	249.5	140	378	297	44.2	35	156.2	150	150	140	13	28	24	8
PZX-180	76.2	72.2	91	330.2	325	188	491.3	368.2	72.8	55	189.8	180	170	170	13	42	35	12
PZX-220	89	85	106	396.8	356.7	186.6	516.3	375.6	62.8	55	179.8	180	170	170	13	42	35	12
PZX-300	101.6	97.6	119	485.8	464.6	250	697	495.4	96.5	85	239	235	220	250	13	48	42.5	14
PZX-300-1	127	123	144.5	531.2	480.2	250	710	502	96.5	85	239	235	220	250	13	48	42.5	14

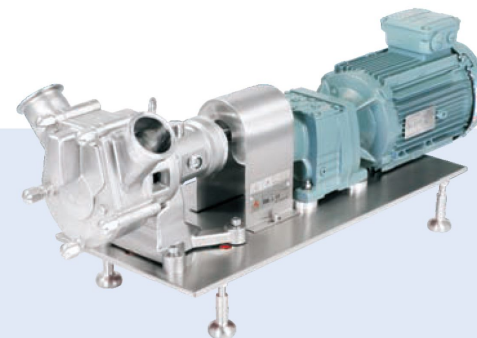
Sine pump series



Mechanical stepless speed regulation



Motor direct connection



Fixed speed ratio motor reducer

Sine pump series



Mobile-Sine Pump



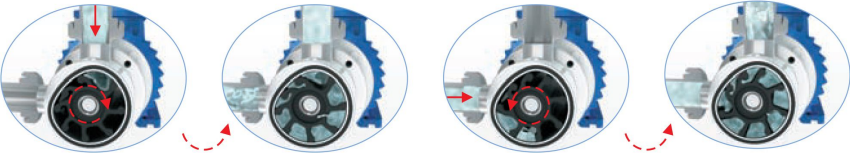
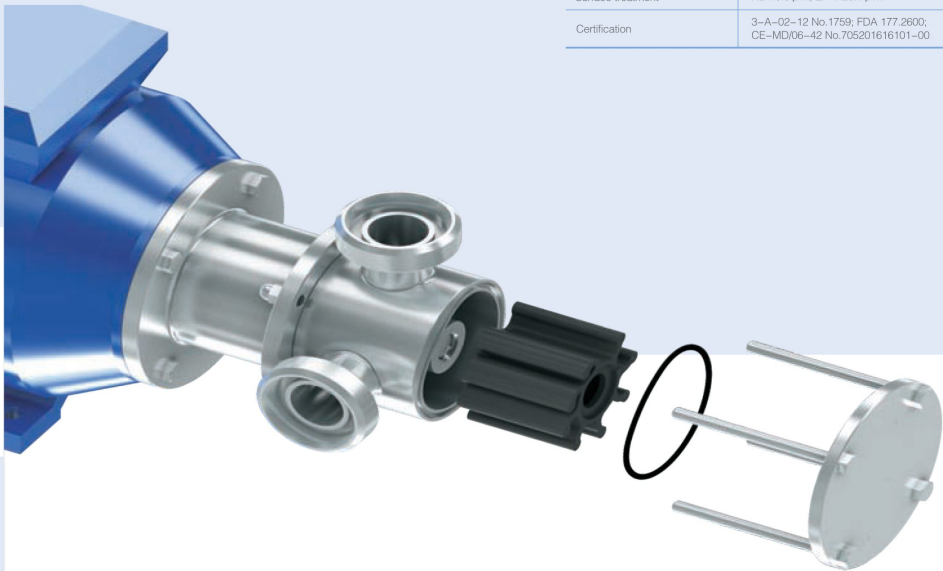
Mobile+Control Box-Sine Pump

RX series flexible impeller pump

Strong self-priming ability, no pulse phenomenon
Liquids containing granules can be transported efficiently and flexibly without damage.
Maintenance is extremely simple and the cost is extremely low.

Technical Specifications

Max flow	20m ³ /h
Max pressure	4 bar
Max suction	6 M
Max Temperature	80°C
Rotating speed	950RPM-2900RPM
Material	316L/1.4404
Surface treatment	Ra≤0.6 μ m; EP=Ra0.4 μ m
Certification	3-A-02-12 No.1759; FDA 177.2600; CE-MD/06-42 No.705201616101-00



RX series flexible impeller pump



Excellent self-priming characteristics

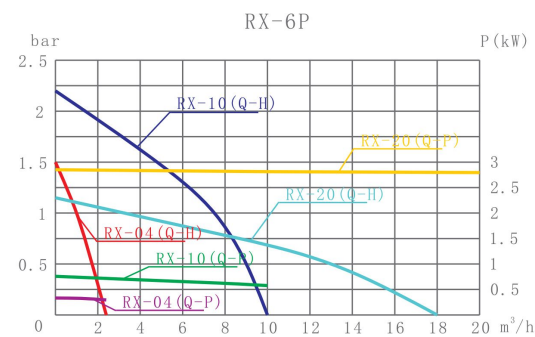
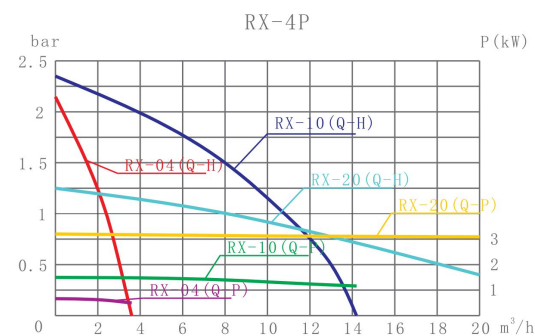
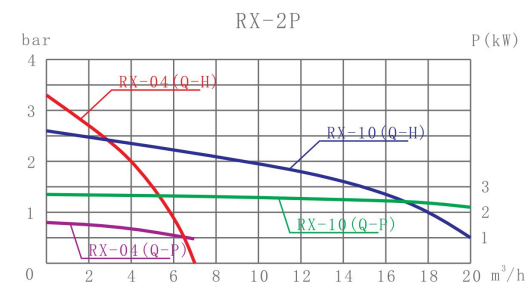
The flexible impeller pump (RX) is simple to operate. It is a volumetric pump with excellent self-priming performance, can reach 5 meters.

Wide application range

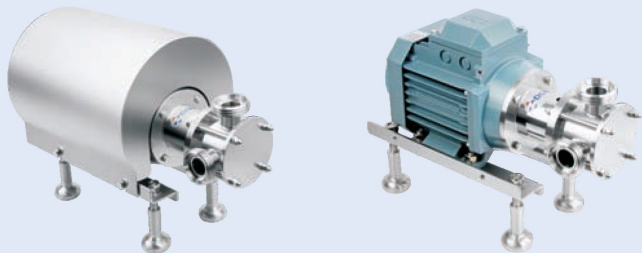
The RX pump, efficiency of conveying viscous liquid is close to drawing water, so the application range is wide.

Very gentle pumping

How about function for extracting sensitive medium? Rx's suction function is very smooth and gentle, and does not scrap or damage products, even the medium is as fragile as high-fat cream. Large berries, even half the size of a peach, can pass through the pump undamaged, and RX pump is guaranteed to run completely without pulsation. By adjusting the pump speed, it can also be used as a dosing pump.

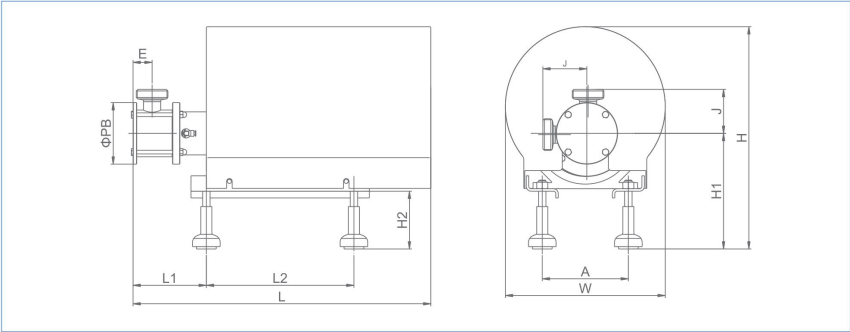


RX series flexible impeller pump



RX Flexible impeller pump selection table

Model	power (KW)	(RPM) Speed	(L/R) Flow per rotation	(m³/h) Flow	Max diameter of passed granule	(bar) Pressure	Inlet/Outlet	(m) Max suction	(kg) weight
DJ-RX-04	1.5	2900 (2P)	0.060	2.4	≤2mm	2.5	1"/DN25	6	24
				3.5		2.0			
				4.8		1.5			
				5.6		1.0			
				6.5		0.5			
				1.2		1.6			
	0.75	1450 (4P)	0.060	2.3		1.0	1"/DN25	6	21
				3.0		0.5			
				1.0		1.0			
				1.2		0.8			
				1.7		0.5			
				2.0		2.5			
DJ-RX-10	3.0	2900 (2P)	0.103	8.7	≤5mm	2.0	1.5"/DN40	5	40
				14.5		1.5			
				18.0		1.0			
				20.0		0.5			
				4.0		2.0			
				8.0		1.5	1.5"/DN40	6	31
	1.5	1450 (4P)	0.103	11.0		1.0			
				13.0		0.5			
				2.0		1.9			
	0.75	950 (6P)	0.103	5.0		1.5	1.5"/DN40	6	29
				7.5		1.0			
				9.0		0.5			
DJ-RX-20	4.0	1450 (4P)	0.214	7.6	≤8mm	1.0	2"/DN50	6	58
				12.5		0.8			
				17.0		0.6			
				19.0		0.5			
				20.0		0.4			
				5.8		0.9			
	3.0	950 (6P)	0.214	7.5		0.8	2"/DN50	6	71
				11.5		0.6			
				13.0		0.5			



Model	Power	Pump Dimension			Assembly Dimension							
		Inlet/Outlet	PB	E	L	L1	L2	H	H1	H2	W	A
DJ-RX-04	1.5KW(2P)	1"/DN25	100	31	484	119	240	362	189	94.8	260	140
DJ-RX-04	0.75KW(4P)	1"/DN25	100	31	459	113	240	337	179		240	125
DJ-RX-04	0.55KW(6P)	1"/DN25	100	31	459	113	240	337	179		240	125
DJ-RX-10	3.0KW(2P)	1.5"/DN40	138	42	554	149	300	409	199		320	160
DJ-RX-10	1.5KW(4P)	1.5"/DN40	138	42	521	155.5	240	362	189		260	140
DJ-RX-10	0.75KW(6P)	1.5"/DN40	138	42	572	155.5	240	362	189		260	140
DJ-RX-20	4KW(4P)	2"/DN50	180	50	662	173	300	411	211		330	190
DJ-RX-20	3KW(6P)	2"/DN50	180	50	683	203.5	330	468	231		380	216



Mobile-Flexible Impeller Pump

Mobile+Control Box-Flexible Impeller Pump

Centrifugal pump series

The design of each pump is based on – US Sanitary Standard "3A–02–12", EU Safety Directive Design "MD/06/42/EC"
International leading partners – Siemens, ABB, SEW, WH, Roplan, to ensure that each pump is more durable, efficient, clean and safe

Solution for high efficiency, low noise, simple and economical maintenance, high purity



Technical Specifications

Flow	0.5m³/h–120m³/h		
Head	70M		
Temperature	–20°C 140°C From –20°C to 140°C		
Power	0.55KW–30KW		
Material	304 /316L, 1.4301/1.4404, ASME BPE 316L, 1.4435 BN2 Fe≤0.5%	Dual-phase steel 2205,	Hastelloy alloy C276
Surface treatment	≤ Ra0.8 μ m, ≤ Ra0.6 μ m, EP ≤ Ra0.4 μ m		
Mechanical seal	Single mechanical seal, double mechanical seal, details see configuration table		
Inlet/Outlet Connection	Thread, Clamp, Flange, Aseptic flange		
Certification	3–A–02–12(N.O.1579); MD/06/42–EQ(N.O.7052/1616101–00); FDA 177.2600; USP CLASS–II; EQ/NO1935/2004		



Integrated control box – centrifugal pump



Low discharge port



Heat jacket



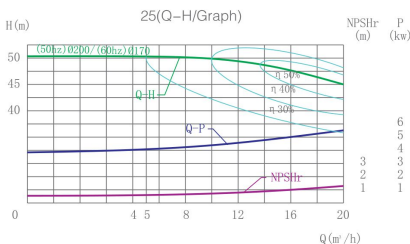
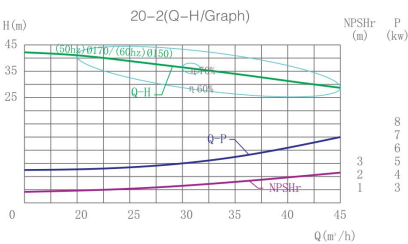
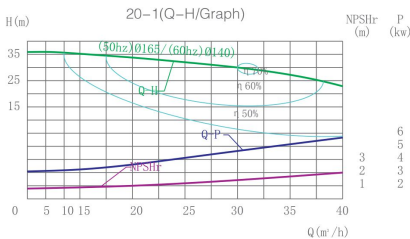
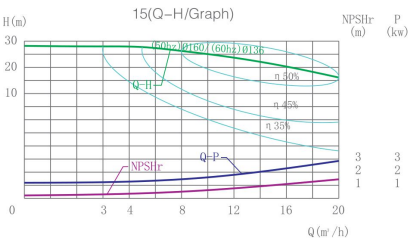
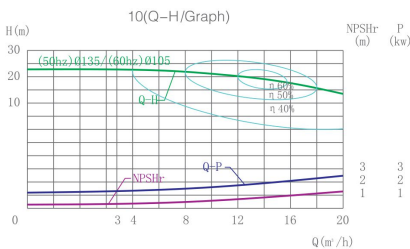
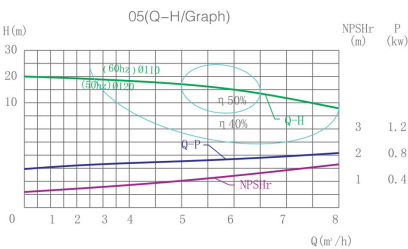
Mobile centrifugal pump + control box



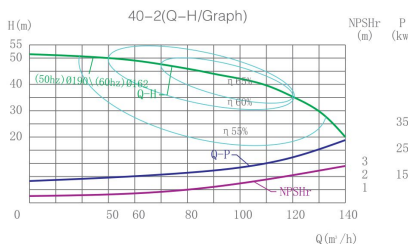
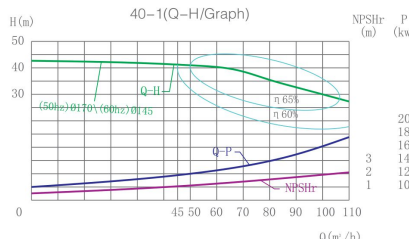
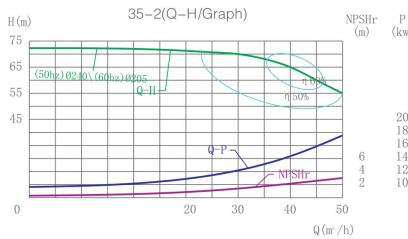
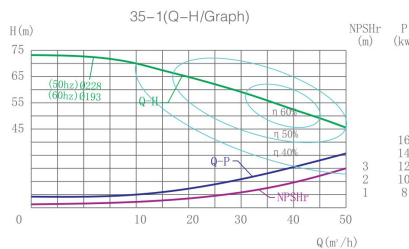
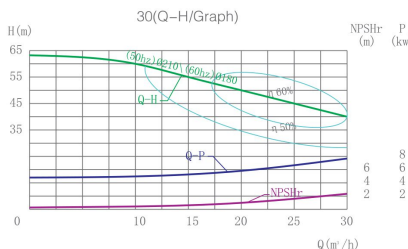
Mobile centrifugal pump

Centrifugal pump series

Performance graphs apply to: LX/KLX/CLX/SLX/SCLX

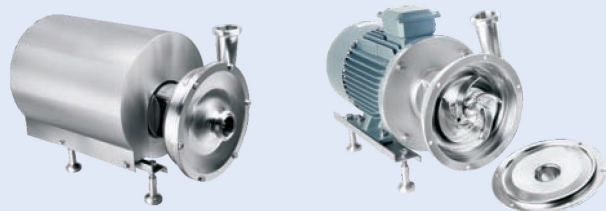


Performance graphs apply to: LX/KLX/CLX/SLX/SCLX



Centrifugal pump series

The design of each pump is based on – US Sanitary Standard "3A-02-12", EU Safety Directive Design "MD/06/42/EC"
International leading partners – Siemens, ABB, SEW, WH, Roplan, to ensure that each pump is more durable, efficient, clean and safe



Centrifugal Pump-LX Series

lower noise, higher efficiency,
The outlet can be
rotated arbitrarily from 0-135°
Lower NPSH, cleaner



Centrifugal Pump-KLX Series

Durable and lower cost, more
than 20 years of market-tested



Centrifugal Pump-CLX Series

More convenient, cleaner, easy
to maintain, 360° rotation in the
outlet direction

Selection table (applicable to: LX/KLX/CLX)

Model	Power	Flow(m³/h)	Head(M)	Inlet/Outlet	(KG)	
DJ-LX-05	0.55KW	1	20	1.5"/0.75"	19	
	0.55KW	2	20		19	
	0.75KW	3	19		22	
	0.75KW	4	18		22	
	0.75KW	5	16		22	
DJ-LX-10	1.1KW	3	22	1.5"/1.5"	30	
	1.1KW	5	22		30	
	1.5KW	3	22		36	
	1.5KW	5	22		36	
	1.5KW	8	22		36	
	1.5KW	9	22		36	
	1.5KW	12	20		36	
	1.5KW	15	18		36	
	2.2KW				40	
	2.2KW	18	16		40	
DJ-LX-15	1.5KW	3	28	2"/1.5"	39	
	1.5KW	5	28		39	
	1.5KW	8	26		39	
	2.2KW				42	
	2.2KW	10	25		42	
	2.2KW	15	22		42	
	2.2KW	18	18		42	
	3.0KW				54	
	2.2KW	20	16		42	
3.0KW	54					
DJ-LX-20-1	2.2KW	5	36	2"/2"	47	
	3.0KW				56	
	3.0KW	10	36		56	
	4.0KW				61	
	4.0KW	15	35		61	
	4.0KW	20	33		61	
	4.0KW	25	30		61	
	5.5KW				83	
	5.5KW	30	30		2.5"/2"	83
	5.5KW	38	22			83
DJ-LX-20-2	5.5KW	20	40	2"/2"	82	
	5.5KW	25	37		82	
	5.5KW	30	36	2.5"/2"	82	
	5.5KW	36	32		82	
	7.5KW	40	30		86	
	7.5KW	45	28		86	

Centrifugal pump series

选型表(适用于: LX/KLX/CLX) Selection table (applicable to: LX/KLX/CLX)

Model	Power	Flow(m³/h)	Head(M)	Inlet/Outlet	理论重量 (KG)
DJ-LX-25	4.0KW	5	50	2.5"/1.5"	61
	5.5KW	10	50		82
	5.5KW	15	48		82
	5.5KW	20	45		82
DJ-LX-30	5.5KW	10	60	2.5"/1.5"	83
	5.5KW	15	55		83
	7.5KW	20	50		87
	7.5KW	25	45		87
	7.5KW	30	40		87
DJ-LX-35-1	11KW	10	70	3"/1.5"	152
	11KW	15	65		152
	11KW	20	65		152
	11KW	25	60		152
	11KW	30	60		152
	11KW	35	55		152
	15KW	40	50		165
	15KW	45	50		165
	15KW	50	45		165
DJ-LX-35-2	15KW	20	70	3"/1.5"	165
	15KW	25	70		165
	15KW	30	70		165
	15KW	35	65		165
	15KW	40	65		165
	18.5KW	45	60		174
	18.5KW	50	55		174
DJ-LX40-1	11KW	45	42	3"/2.5"	148
	11KW	50	42		148
	15KW	60	40		162
	15KW	65	40		162
	15KW	70	38		162
	15KW	80	35		162
	15KW	90	33		162
	18.5KW	100	30		171
	18.5KW	110	28		171
DJ-LX-40-2	15KW	50	50	3"/2.5"	162
	15KW	60	48		162
	18.5KW	70	47		171
	18.5KW	80	46		171
	22KW	85	45		205
	22KW	90	44		205
	22KW	100	43		205
	22KW	110	40		205
	22KW	120	35		205
	30KW	130	30		263
	30KW	140	20		263

The design of each pump is based on – US Sanitary Standard "3A-02-12", EU Safety Directive Design "MD/06/42/EC"
International leading partners – Siemens, ABB, SEW, WH, Roplan, to ensure that each pump is more durable, efficient, clean and safe

Centrifugal Pump-SLX Series

Cleaner, with stainless steel motor, IP69 protection level



离心泵-SCLX系列
Centrifugal Pump-SCLX Series

不锈钢电机、IP69防护等级、出口360° 任意旋转、更加方便拆卸
Stainless steel motor, IP69 protection grade, 360° rotation at the outlet, more convenient to disassemble





Centrifugal pump series

Selection table (applicable to: SLX/SCLX)

Model	Power	Flow (m³/h)	Head (M)	Inlet/Outlet	(KG)
DJ-SLX-10	1.1KW	3	22	1.5"/1.5"	36.1
	1.1KW	5	22		36.1
	1.5KW	3	22		45.1
	1.5KW	5	22		45.1
	1.5KW	8	22		45.1
	1.5KW	9	22		45.1
	1.5KW	12	20		45.1
	1.5KW	15	18		45.1
	2.2KW				45.8
	2.2KW	18	16		45.8
DJ-SLX-15	1.5KW	3	28	2"/1.5"	48.5
	1.5KW	5	28		48.5
	1.5KW	8	26		48.5
	2.2KW				48.5
	2.2KW	10	25		48.5
	2.2KW	15	22		48.5
	2.2KW	18	18		48.5
	3.0KW				58
	2.2KW	20	16		48.5
	3.0KW				58
DJ-SLX-20-1	2.2KW	5	36	2"/2"	30.0
	3.0KW				60.0
	3.0KW	10	36		60.0
	4.0KW				70.4
	4.0KW	15	35		70.4
	4.0KW	20	33		70.4
	4.0KW	25	30		70.4
	5.5KW				112.0
	5.5KW	30	30	2.5"/2"	112.0
	5.5KW	38	22		112.0
DJ-SLX20-2	5.5KW	20	40	2"/2"	111.0
	5.5KW	25	37		111.0
	5.5KW	30	36	2.5"/2"	111.0
	5.5KW	36	32		111.0
	7.5KW	40	30		111.0
	7.5KW	45	28		111.0
DJ-SLX-25	4.0KW	5	50	2.5"/1.5"	70.3
	5.5KW	10	50		111.0
	5.5KW	15	48		111.0
	5.5KW	20	45		111.0

Selection table (applicable to: SLX/SCLX)

Model	Power	Flow (m³/h)	Head (M)	Inlet/Outlet	(KG)
DJ-SLX-30	5.5KW	10	60	2.5"/1.5"	111
	5.5KW	15	55		111
	7.5KW	20	50		112
	7.5KW	25	45		112
	7.5KW	30	40		112
	11KW	10	70		146
DJ-SLX-35-1	11KW	15	65	3"/1.5"	146
	11KW	20	65		146
	11KW	25	60		146
	11KW	30	60		146
	11KW	35	55		146
	15KW	40	50		159
	15KW	45	50		159
	15KW	50	45		159
DJ-SLX-35-2	15KW	20	70	3"/1.5"	159
	15KW	25	70		159
	15KW	30	70		159
	15KW	35	65		159
	15KW	40	65		159
	18.5KW	45	60		174
	18.5KW	50	55		174
	11KW	45	42	3"/2.5"	143
DJ-SLX40-1	11KW	50	42		143
	15KW	60	40		156
	15KW	65	40		156
	15KW	70	38		156
	15KW	80	35		156
	15KW	90	33		156
	18.5KW	100	30		172
	18.5KW	110	28		172
DJ-SLX-40-2	15KW	50	50	3"/2.5"	164
	15KW	60	48		164
	18.5KW	70	47		189
	18.5KW	80	46		189
	22KW	85	45		219
	22KW	90	44		219
	22KW	100	43		219
	22KW	110	40		219
	22KW	120	35		219

DJ-BS series centrifugal pump



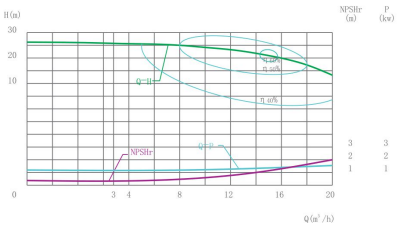
Solution for high efficiency, low noise, simple and economical maintenance, high purity

BS Centrifugal pump selection table

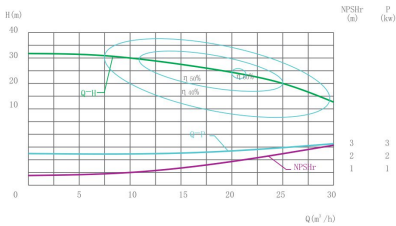
Model	Power	Flow(m³/h)	Head(M)	Inlet/Outlet
BS-4	2.2KW	20	14	2"/1.5"
	2.2KW	18	18	
	2.2KW	15	21	
	2.2KW	12	23	
	2.2KW	10	24	
	1.5KW	8	25	
	1.5KW	5	25	
BS-6	1.5KW	3	26	2.5"/2"
	4KW	29	13	
	4KW	25	20	
	3KW	20	25	
	3KW	15	27	
	3KW	12	29	
	3KW	10	30	
BS-10	3KW	5	32	3"/2"
	5.5KW	35	19	
	5.5KW	30	26	
	4KW	25	26	
	4KW	20	29	
	4KW	15	31	
	3KW	10	34	
BS-12	3KW	5	36	3"/2"
	5.5KW	40	25	
	5.5KW	35	29	
	5.5KW	30	31	
	5.5KW	25	31	
	4KW	20	33	
	4KW	15	35	
	3KW	10	37	2.5"/2"



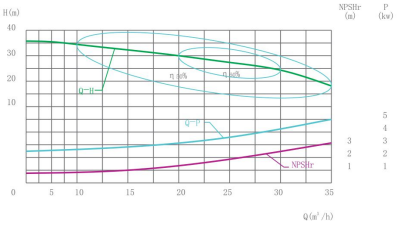
BS-4(Q-H graph)



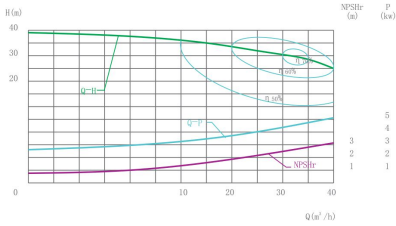
BS-6(Q-H graph)



BS-10(Q-H graph)

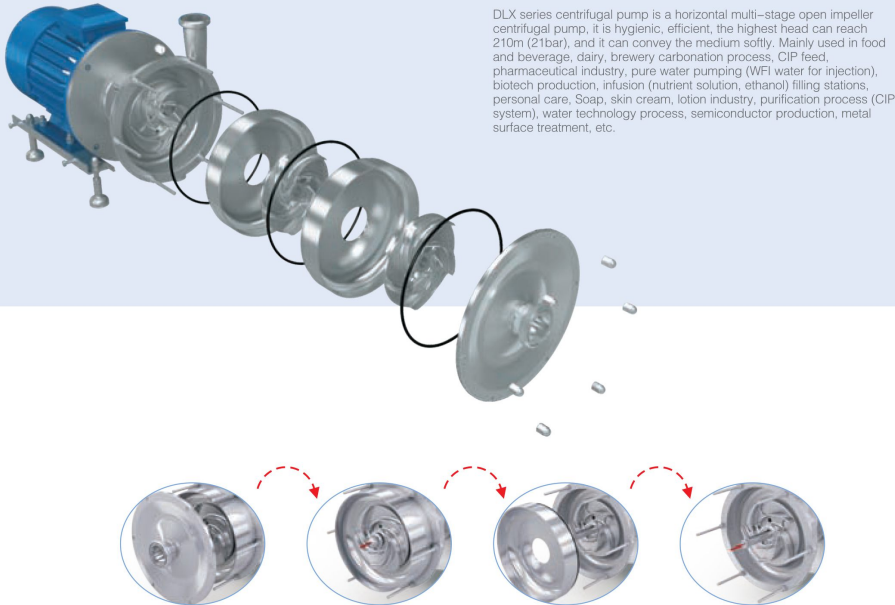


BS-12(Q-H graph)



DJ-DLX serise multi-stage centrifual pump

Solution for high efficiency, Low noise, High head, simple and economical maintenance, High purity

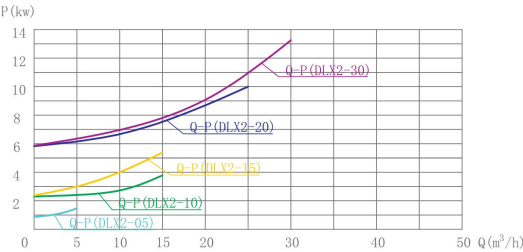
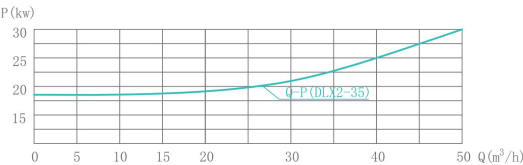
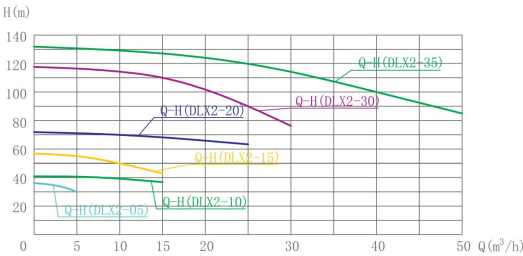


Technical Specifications

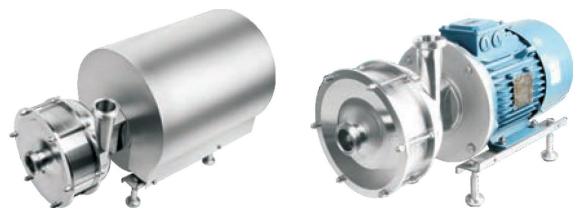
Max flow	50m³/h
Max head	210M
Max temperature	-10℃~140℃
Material	304 /316L, 1.431/1.4404, ASME BPE 316L, 1.4435 NB2 Fe≤0.5% 双相钢 Dual-phase steel 2205, 哈氏合金 Hastelloy alloy C276
Surface treatment	≤ Ra0.8 μ m, ≤ Ra0.6 μ m, ≤ Ra0.4 μ m
Machine seal	Single seal, double seal
Machine seal configuration	See mechanical seal configuration table
Inlet/Outlet connection	Threads, clamps, flanges, aseptic flanges
Certified	3-A-02-12(N.O.1579); MD/06/42-EC (N.O.70521616101-00); FDA 177.2600; USP CLASS-II; EG/VO1935/2004



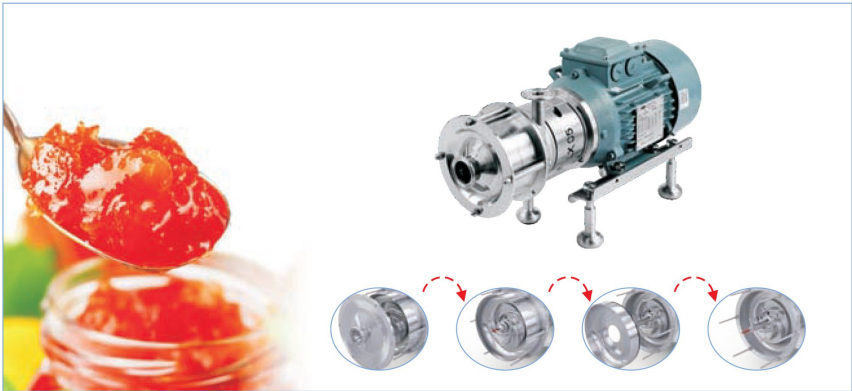
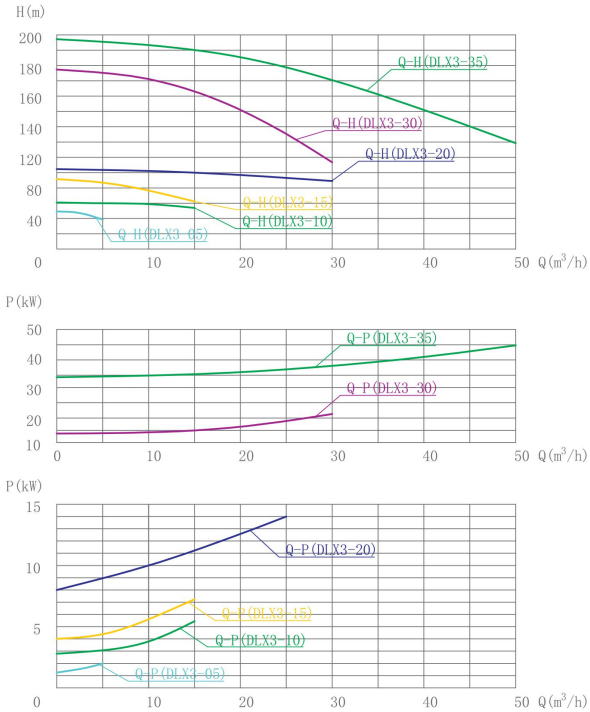
DJ-DLX-2 series centrifugal pump Q-H curve



DJ-DLX serie multi-stage centrifugal pump



DJ-DLX-3 series centrifugal pump Q-H curve



DLX-2
Centrifugal pump selection table

Model	Power (KW)	Flow rate (m³)	Discharge (M)	Inlet&outlet	Weight (KG)
DJ-DLX2-05	1.1	2	35	1.5"/0.75"	27
	1.5	4	32		33
	1.5	5	30		33
DJ-DLX2-10	2.2	5	40	1.5"/1.5"	50
	3	8	40		57
	3	10	40		57
	4	15	36		64
DJ-DLX2-15	3	5	56	2"/1.5"	63
	4	10	50		69
	5.5	15	44		89
DJ-DLX-2-20	7.5	10	68	2"/2"	95
	7.5	15	66		95
	11	20	63		139
	11	25	56		139
DJ-DLX-2-30	11	10	114	2.5"/1.5" (3/2")	116
	11	15	110		158
	15	20	100		173
	15	25	90		173
	15	30	76		173
DJ-DLX-2-35	22	20	124	3"/1.5" (3/2")	224
	22	25	120		224
	22	30	114		224
	30	35	110		257
	30	40	100		257
	30	45	93		257
	30	50	86		257

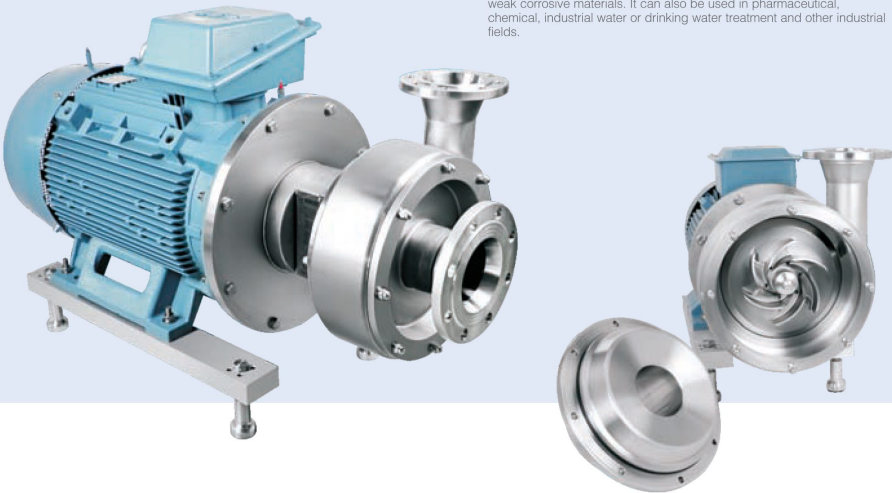
DLX-3
Centrifugal pump selection table

Model	Power (KW)	Flow rate (m³)	Discharge (M)	Inlet&outlet	Weight (KG)
DJ-DLX-3-05	1.5	2	50	1.5"/0.75"	34
	2.2	4	42		34
	2.2	5	38		37
DJ-DLX-3-10	3	5	60	1.5"/1.5"	61
	4	8	60		67
	4	8	60		67
	5.5	10	60		87
	5.5	15	54		87
DJ-DLX-3-15	5.5	5	84	2"/1.5"	93
	5.5	10	75		93
	7.5	15	65		104
DJ-DLX-3-20	11	10	103	2"/2"	143
	11	15	100		143
	15	20	94		151
	15	25	85		151
	15	10	171		183
DJ-DLX-3-30	18.5	15	165	2.5"/1.5" (3/2")	213
	18.5	20	150		213
	22	25	135		226
	22	30	114		226
	37	20	185		316
DJ-DLX-3-35	37	25	180	3"/1.5" (3/2")	316
	37	30	171		316
	37	35	165		316
	45	40	150		364
	45	45	140		364
	45	50	130		364
	45	50	130		364

DJ-MLX serise centrifual pump

High flow, high efficiency, low
power consumption, low noise, high purity

MLX series is a centrifugal pump with large flow, which adopts open impeller design and CED optimization design for hydraulic model. Under the premise of ensuring high-efficiency hydraulic performance, it can improve the flow performance of low-viscosity granular materials and reduce the shear damage to materials. The pump casing and overflow parts are made of 304/316L stainless steel. It is mainly used in the transportation of saccharified fermentation broth, wort, fruit juice and jam of food and beverages containing solid particles and low viscosity and weak corrosive materials. It can also be used in pharmaceutical, chemical, industrial water or drinking water treatment and other industrial fields.



Technical Specifications

Flow	100m³/h–1000m³/h		
Head	80M		
Temperature	–20– 140℃		
Power	11kw–160kw		
Material	304/316L, 1.431/1.4404, ASME BPE 316L, 1.4435 NB2 Fe≤0.5%	Dual-phase steel 2205,	Hastelloy alloy C276
Surface treatment	≤ Ra0.8 μ m, ≤ Ra0.6 μ m, ≤ Ra0.4 μ m		
Mechanical seal	Single mechanical seal (see configuration scheme)		
Inlet/Outlet Connection	Flanged, Aseptic flanged		
Certified	3–A–02–12(N.O.1579); MD/06/42–EC (N.O.70521616101–00); FDA 177.2600; USP CLASS–II; EG/VO1935/2004		

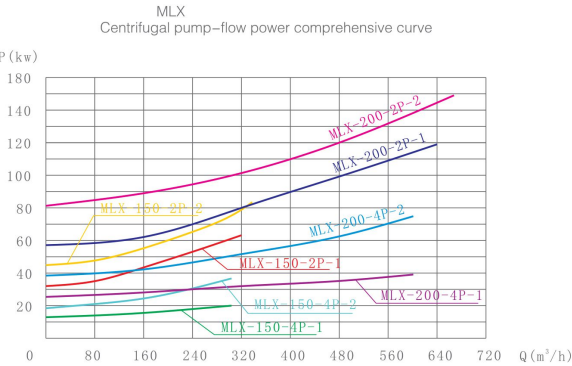
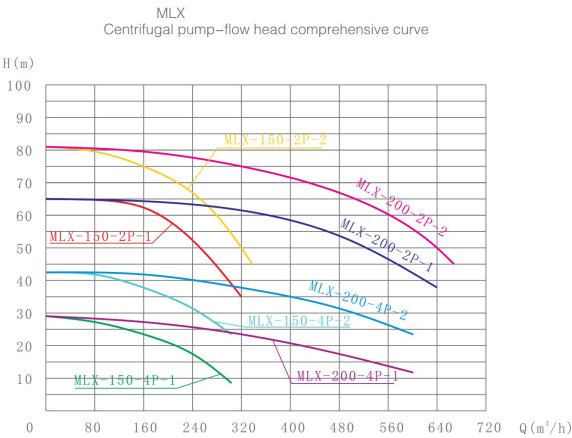
MLX150-2022 Centrifugal pump selection table

Model	Flow (m³/h)	Head(M)	Power (KW)	Speed(rpm)	Inlet/Outlet	weight(KG)
MLX150–4P–1 (4P–50Hz)	100	27	15KW	1450	DN150/DN125	340.0
	150	25	15KW	1450		378.0
	175	23	18.5KW	1450		
	200	21	18.5KW	1450		
	250	17	18.5KW	1450		
	280	13	18.5KW	1450		
MLX150–4P–2 (4P–50Hz)	100	41	22KW	1450	DN150/DN125	393
	120	40	30KW	1450		467.0
	150	38	30KW	1450		
	200	35	30KW	1450		
	220	33	30KW	1450		
	250	30	30KW	1450		
	280	27	37KW	1450		530.0
	300	25	37KW	1450		
MLX150–2P–1 (2P–50Hz)	100	65	45KW	2965	DN150/DN125	481.0
	150	62	45KW	2965		555.0
	180	60	45KW	2965		
	200	58	55KW	2965		
	250	50	55KW	2965		
MLX150–2P–2 (2P–50Hz)	300	40	55KW	2965	DN150/DN125	481.0
	100	77	45KW	2965		555.0
	120	76	55KW	2965		
	150	75	55KW	2965		
	180	74	55KW/75KW	2965		555/760
	200	72	75KW	2965		760.0
	250	65	75KW	2965		
	300	55	75KW	2965		

MLX200-2022 Centrifugal pump selection table

Model	Flow(m³/h)	Head(M)	Power(KW)	Speed(rpm)	Inlet/Outlet	weight(KG)
MLX200–4P–1 (4P–50Hz)	300	25	30KW	1450	DN200/DN150	486.0
	350	23	37KW	1450		553.0
	400	21	37KW	1450		
	500	17	37KW	1450		
	560	13	37KW	1450		
MLX200–4P–2 (4P–50Hz)	300	38	55KW	1450	DN200/DN150	799.0
	400	35	55KW	1450		979.0
	450	33	75KW	1450		
	500	30	75KW	1450		
	560	27	75KW	1450		
	600	25	75KW	1450		
MLX200–2P–1 (2P–50Hz)	300	64	90KW	2965	DN200/DN150	847.0
	360	61	90KW	2965		1085.0
	400	59	110KW	2965		
	500	52	110KW	2965		
	600	42	110KW	2965		
MLX200–2P–2 (2P–50Hz)	300	75	110KW	2965	DN200/DN150	1085.0
	360	74	110KW	2965		1140.0
	400	72	110KW	2965		
	500	65	132KW	2965		
	600	55	160KW	2965		1180.0

DJ-MLX serie centrifual pump

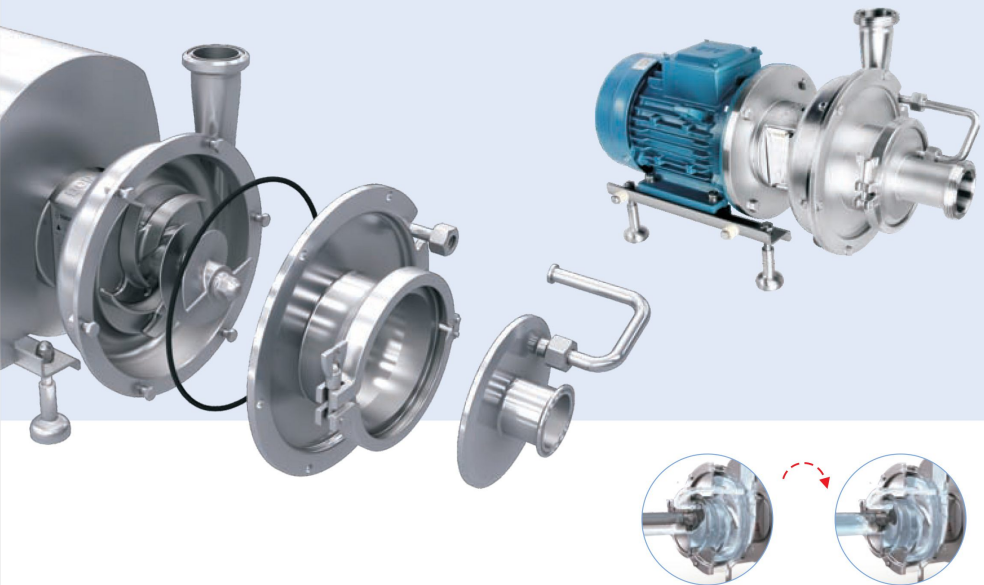


Testing condition: medium water, temperature 20 °C, (This graph also applies to motor 60HZ) Q-Flow rate (m³/h), H-head(meter), P-power (KW), η%-pump efficiency

DJ-ZLX series self-priming centrifugal pump

Solution for high efficiency, low noise, CIP backhaul, material conveying, high purity

The ZLX series is a self-priming centrifugal pump. It can be used as a self-priming return circulation pump in a CIP system or as a centrifugal pump. The maximum viscosity of the conveyed material is 500CP.S (mPas). The pump has the technical advantages of high efficiency, low noise, high cleanliness, and easy cleaning of wetted parts



Technical Specifications

Max Flow	70m³/h		
Max Head	70M		
Temperature	-20℃ to 150℃		
Material	304 /316L, 1.431/1.4404, ASME BPE 316L, 1.4435 NB2 Fe≤0.5%	Dual-phase steel 2205,	Hastelloy alloy C276
Surface treatment	≤ Ra0.8 μm, ≤ Ra0.6 μm, ≤ Ra0.4 μm		
Mechanical seal	Single mechanical seal, double mechanical seal, details see configuration table		
Inlet/Outlet	Thread, clamp, flange, Aseptic flange		
Certification	3-A-02-12(N.O.1579); MD/06/42-EC (N.O.70521616101-00); FDA 177.2600, USP CLASS-II; EG/VO1935/2004		

DJ-ZLX series self-priming centrifugal pump

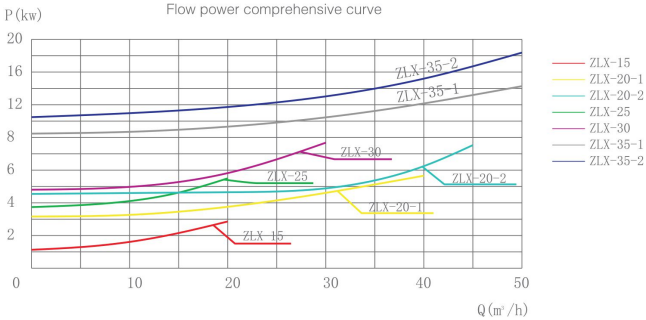
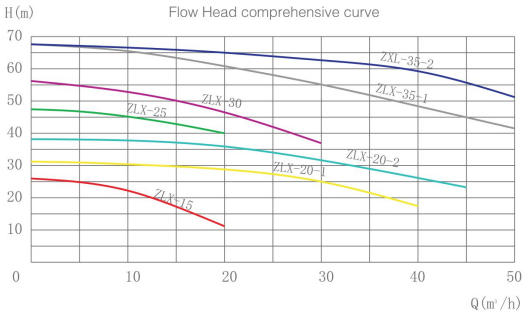


ZLX Self-priming centrifugal pump selection table

Model	Power	Flow(m³/h)	Head(M)	Inlet&outlet	Weight(KG)
ZLX-15	1.5KW	3	25	2"/1.5"	42
	1.5KW	5	25		42
	1.5KW	8	22		42
	2.2KW	10	20		42
	2.2KW	15	19		42
	2.2KW	18	15		42
	3.0KW	20	13		54
	2.2KW	20	13		45
ZLX-20-1	3.0KW	5	32	2.5"/2"	60
	3.0KW	10	32		60
	4.0KW	15	31		64
	4.0KW	20	29		64
	4.0KW	25	26		64
	5.5KW	30	26		82
	5.5KW	38	18		82
	5.5KW	20	36		86
ZLX20-2	5.5KW	25	33	2.5"/2"	86
	5.5KW	30	32		86
	5.5KW	36	28		86
	7.5KW	40	26		90
ZLX-25	7.5KW	45	24	2.5"/1.5"	90
	4.0KW	5	46		70
	5.5KW	10	45		88
	5.5KW	15	44		88
ZLX-30	5.5KW	20	40	2.5"/1.5"	88
	5.5KW	10	54		93
	5.5KW	15	50		93
	7.5KW	20	47		93
ZLX-35-1	7.5KW	25	42	3"/1.5"	97
	7.5KW	30	36		97
	11KW	10	66		159
	11KW	15	61		159
	11KW	20	61		159
	11KW	25	56		159
	11KW	30	56		159
	11KW	35	51		159
ZLX-35-2	15KW	40	46	3"/1.5"	172
	15KW	45	46		172
	15KW	50	41		172
	15KW	20	64		172
	15KW	25	62		172
	15KW	30	62		172
	15KW	35	61		172
	15KW	40	59		172
	18.5KW	45	56		180
	18.5KW	50	51		180



ZLX series-self-priming centrifugal pump-comprehensive curve



Testing condition: medium water, temperature 20 °C, impeller speed 2900 RPM
(This graph also applies to motor 60HZ, impeller speed 3600RPM) Q-Flow rate (m³/h), H-head(meter), P-power (KW), η%-pump efficiency

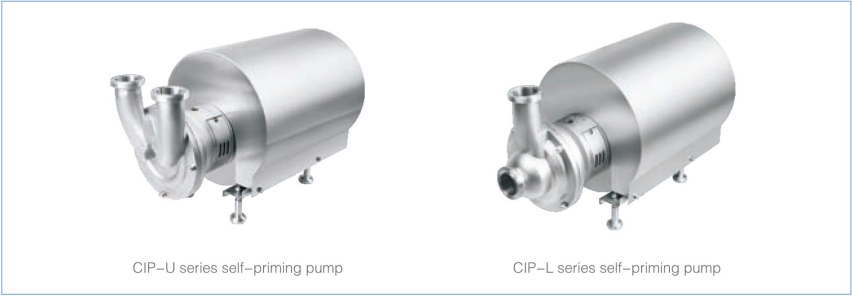
DJ-CIP series self-priming pump

Solution for high efficiency, low noise, large suction, easy maintenance, high purity



Technical Specifications

Max Flow	40m³/h		
Max Head	42M		
Max suction	8M		
Temperature	-20℃ to 130℃		
power	1.5-15KW		
Material	304 /316L, 1.431/1.4404, ASME BPE 316L, 1.4435 NB2 Fe≤0.5% Dual-phase steel 2205, Hastelloy alloy C276		
Surface treatment	≤ Ra0.8 μm, ≤ Ra0.6 μm, ≤ Ra0.4 μm		
Mechanical seal	Single seal, double (see configuration scheme)		
Inlet/Outlet Connection	Thread, clamp, flange, Aseptic flange		
Certification	3-A-02-12(N.O.1579); MD/06/42-EC (N.O.70521616101-00); FDA 177.2600; USP CLASS-II; EG/VO1935/2004		



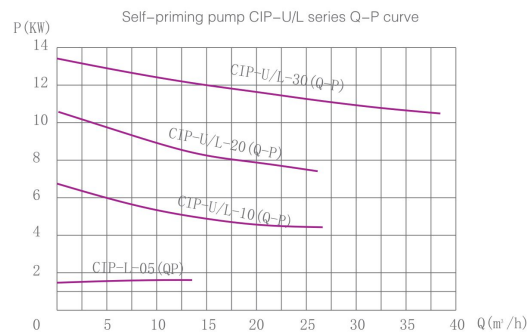
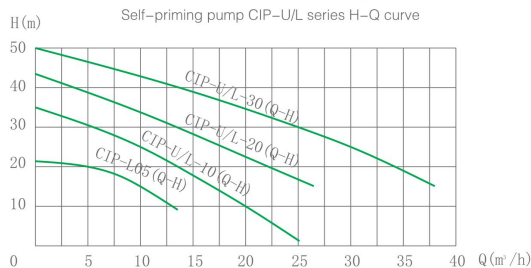
CIP-L Self-priming pump selection table

型号 Model	功率(KW) Power	流量(m³/h) Flow	扬程(M) Head	进口负压(bar) Inlet port negative pressure	进口 Inlet	出口 Outlet	重量(KG) weight
CIP-L-05	2.2KW	10	15	-0.56	2"	2"	45.9
	2.2KW	8	18				54.9
	3KW	5	20				
CIP-L-10	5.5KW	20	11	-0.72	2.5"	2.5"	89
	5.5KW	15	18				
	5.5KW	10	24				
	5.5KW	5	32				
CIP-L-20	7.5KW	25	17	-0.65	3"	2.5"	95
	7.5KW	20	22				
	7.5KW	18	24				
	7.5KW	15	28				139
	11KW	10	34				
	11KW	5	38				
CIP-L-30	11KW	35	19	-0.8	3"	2.5"	150
	11KW	30	24				
	11KW	25	30				
	11KW	21	33				163
	15KW	16	38				
	15KW	11	42				

CIP-U Self-priming pump selection table

型号 Model	功率(KW) Power	流量(m³/h) Flow	扬程(M) Head	进口负压(bar) Inlet port negative pressure	进口 Inlet	出口 Outlet	重量(KG) weight
CIP-U-10	5.5KW	20	11	-0.72	2.5"	2.5"	87.2
		15	18				
		10	24				
		5	32				
CIP-U-20	7.5KW	25	17	-0.65	2.5"	2.5"	96.1
		20	22				
		18	24				
		15	28				
	11KW	10	34				140.1
CIP-U-30	11KW	5	38	-0.8	2.5"	2.5"	152.2
		35	19				
		30	24				
		25	30				
		21	33				
	15KW	16	38				165.2
		11	42				

DJ-CIP series self-priming pump



Testing condition: medium water, temperature 20 °C, impeller speed 1450 RPM
(This graph also applies to motor 60HZ, impeller speed 1750RPM) Q-Flow rate (m³/h), H-head(meter), P-power (KW), η%-pump efficiency

Centrifugal pump series

The design of each pump is based on – US Sanitary Standard "3A-02-12", EU Safety Directive Design "MD/06/42/EC"
International leading partners – Siemens, ABB, SEW, WH, Roplan, to ensure that each pump is more durable, efficient, clean and safe

Solution for high efficiency, low noise, simple and economical maintenance, high purity



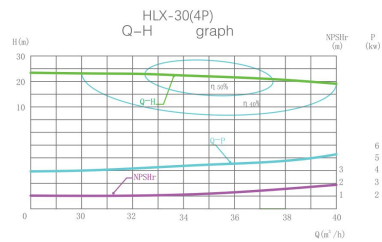
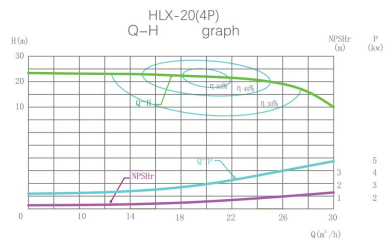
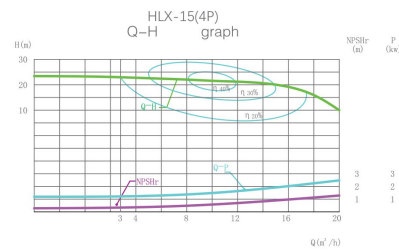
Technical Specifications

Flow	1m³/h~40m³/h		
Head	23M		
Temperature	From -20°C to 140°C		
Power	1.1KW~5.5KW		
Material	304 /316L, 1.4301/1.4404, ASME BPE 316L, 1.4435 BN2 Fe≤0.5%	Dual-phase steel 2205,	Hastelloy alloy C276
Surface treatment	≤ Ra0.8 μ m, ≤ Ra0.6 μ m, EP≤ Ra0.4 μ m		
Mechanical seal	Single mechanical seal, double mechanical seal, details see configuration table		
Inlet/Outlet Connection	Thread, Clamp, Flange, Aseptic flange		
Certification	3-A-02-12(N.O.1579); MD/06/42-EC(N.O.70521616101-00); FDA 177.2600; USP CLASS-II; EG/VO1935/2004		

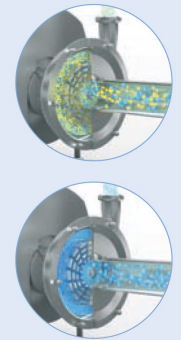
Selection table (applicable to: HLX)

Model	Power	Flow(m³/h)	Head(M)	Inlet/Outlet
DJ-HLX-15	1.5KW	3	23	1.5"/1" 2"/1"
	1.5KW	5	22	
	1.5KW	8	22	
	1.5KW	10	21	
	2.2KW	15	20	
DJ-HLX-20	3KW	15	23	2.5"/1.5"
	3KW	20	22	
	4KW	25	20	
DJ-HLX-30	4KW	30	23	3"/2"
	5.5KW	35	22	
	5.5KW	40	20	

Centrifugal pump series



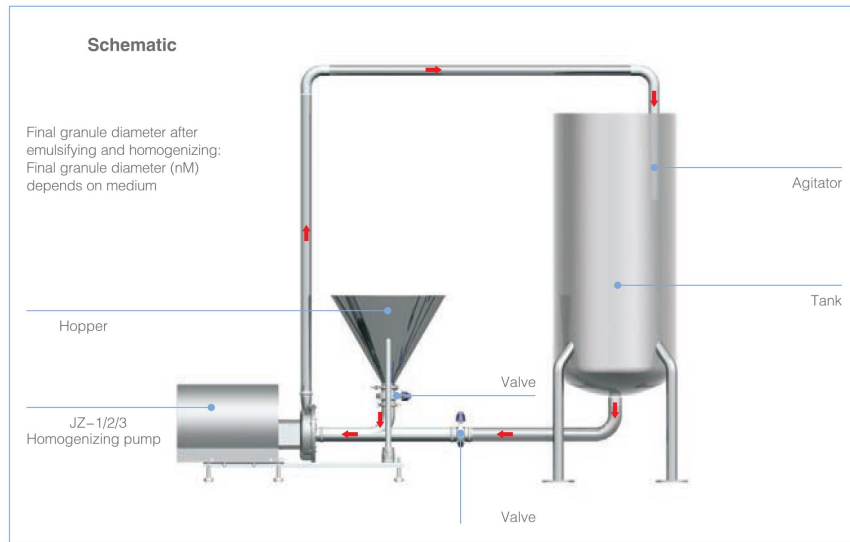
Emulsifying homogenizing pump



JZ-1 Series

JZ-2/3 Series

Emulsifying homogenizing pump

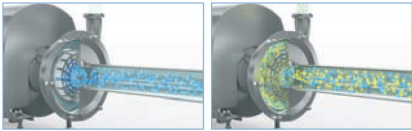


Typical application



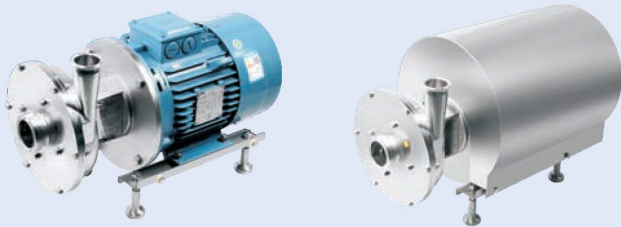
DJ-JZ1 series emulsifying homogenizing pump

Solution for high-efficiency, dispersion, cut, refinement, smash, emulsification, mixing, homogenization, high purity



Technical Specifications

Max flow	50m³/h		
Max power	75KW		
Temperature	-20℃to140℃		
Media refinement	≤ 60 GRIT (≈ 300 μ m) ≤60目(≈ 300 μ m)		
Material	304 /316L, 1.431/1.4404, ASME BPE 316L, 1.4435 NB2 Fe≤0.5%	Dual-phase steel 2205,	Hastelloy alloy C276
Surface treatment	≤ Ra0.8 μ m, ≤ Ra0.6 μ m, ≤ Ra0.4 μ m		
Mechanical seal	Single and double mechanical seal		
Mechanical seal combination	See configuration table		
Inlet/Outlet connection	Thread, clamp, flange, Aseptic flange		
Certification	3-A-36-01(N.O.3751); MD/06/42-EC (N.O.70521616101-00); FDA 177.2600; USP CLASS-II; EG/VO1935/2004		



Single stage emulsifying homogenizing pump selection table

Model	Viscosity (CPS)	Power(kw)	Flow(m³/h)	Outlet pressure (bar)	Rotate speed (r/min)	Inlet/Outlet	Weight (kg)				
DJ-JZ1-130	≤200	2.2	8.0	≤1.5bar	2950	1.5" /1.5" DN40/DN40	43.0				
	≤500	5.5					74.0				
	≤800	7.5					78.0				
	≤1000	3.0	4.0	1450	1.5" /1.5" DN40/DN40	55.0					
	≤2000	5.5				77.0					
	≤3000	7.5				88.0					
	≤3000	3.0				75.0					
	≤5000	5.5				2.7	950	1.5" /1.5" DN40/DN40	97.0		
	≤7000	7.5	133.0								
DJ-JZ1-150	≤200	4.0	12.0	≤1.5	2950	2" /1.5" DN50/DN40	66.0				
	≤250	5.5					84.0				
	≤350	7.5					88.0				
	≤500	11.0					132.0				
	≤500	3.0					65.0				
	≤1000	5.5	6.0	1450	2" /1.5" DN50/DN40	87.0					
	≤1500	7.5				98.0					
	≤2000	11.0				140.0					
	≤1000	3.0				85.0					
	≤2000	5.5				4.0	950	2" /1.5" DN50/DN40	107.0		
	≤3000	7.5	143.0								
	≤5000	11.0	163.0								
	DJ-JZ1-170	≤100	4.0	15	≤1.5				2950	2.5" /2" DN65/DN50	80.0
		≤200	7.5								102.0
		≤300	11.0			146.0					
		≤500	18.5			167.0					
≤300		3.0	79.0								
≤600		5.5	7.5	1450	2.5" /2" DN65/DN50	101.0					
≤800		7.5				112.0					
≤1000		11.0				154.0					
≤1500		15.0				169.0					
≤2000		18.5				199.0					
≤1000		4.0	5.5	950	2.5" /2" DN65/DN50	107.0					
≤2000		7.5				157.0					
≤3000		11.0				177.0					
≤4000	15.0	212.0									
≤5000	22.0	263.0									

DJ-JZ1 series emulsifying homogenizing pump

Single stage emulsifying homogenizing pump selection table

Model	Viscosity (CPS)	Power(kw)	Flow(m³/h)	Outlet pressure (bar)	Rotate speed (r/min)	Inlet/Outlet	Weight (kg)	
DJ-JZ1-190	≤120	7.5	25.0	≤1.5	2950	2.5"/2.5" 3"/2.5"	107.0	
	≤200	11.0					151.0	
	≤320	22.0					199.0	
	≤500	30.0					247.0	
	≤500	7.5					117.0	
	≤700	11.0	12.5	≤1.5	1450	2.5"/2.5" 3"/2.5"	159.0	
	≤1000	15.0					174.0	
	≤1300	22.0					217.0	
	≤1800	30.0					271.0	
	≤1000	7.5					162.0	
	≤2000	15.0	8.3	≤1.5	950	2.5"/2.5" 3"/2.5"	217.0	
	≤3000	22.0					268.0	
	≤4000	30.0					331.0	
	≤5000	37.0					385.0	
DJ-JZ1-210	≤120	11.0	40.0	≤1.5	2950	3"/2.5" DN80/65	167.0	
	≤220	22.0					215.0	
	≤320	30.0					263.0	
	≤500	37.0					294.0	
	≤500	11.0					20.0	≤1.5
	≤700	15.0	190.0					
	≤1000	22.0	233.0					
	≤1500	30.0	287.0					
	≤2000	45.0	355.0					
	≤800	7.5	13.3	≤1.5	950	3"/2.5" DN80/65	178.0	
	≤1200	11.0					198.0	
	≤1500	15.0					233.0	
	≤2000	18.5					270.0	
	≤3000	30.0					347.0	
	≤4000	37.0	401.0					
	≤5000	45.0	581.0					
	DJ-JZ1-240	≤120	15.0	65.0	≤1.5	2950	4"/3" DN100/80	167.0
		≤150	22.0					202.0
		≤200	30.0					250.0
≤300		45.0	325.0					
≤400		55.0	386.0					
≤500		75.0	32.5	≤1.5	1450	4"/3" DN100/80	598.0	
≤300		11.0					162.0	
≤500		18.5					207.0	
≤800		30.0					274.0	
≤1000		37.0					315.0	
≤1500		55.0	21.7	≤1.5	950	4"/3" DN100/80	391.0	
≤500		7.5					165.0	
≤800		11.0					185.0	
≤1000		15.0					220.0	
≤1500		22.0					271.0	
≤2000		30.0	334.0					
≤4000		45.0	568.0					
≤5000		75.0	774.0					



Mobile+control box+hopper



Mobile+control box+homogenizing pump



Mobile homogenizing pump



Mobile homogenizer pump+R-type tee inlet

DJ-JZ series multi-stage emulsifying homogenizing pump



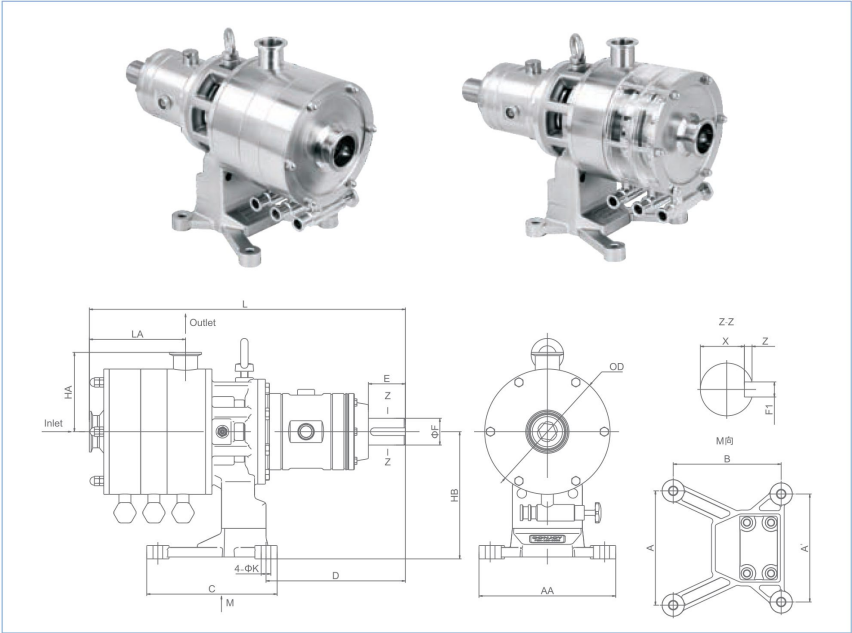
High-efficiency dispersion, cut, refinement, smash, emulsification, mixing, homogenization, high purity solution

Very simple maintenance, no special tools required, no professionals required



Technical Specifications

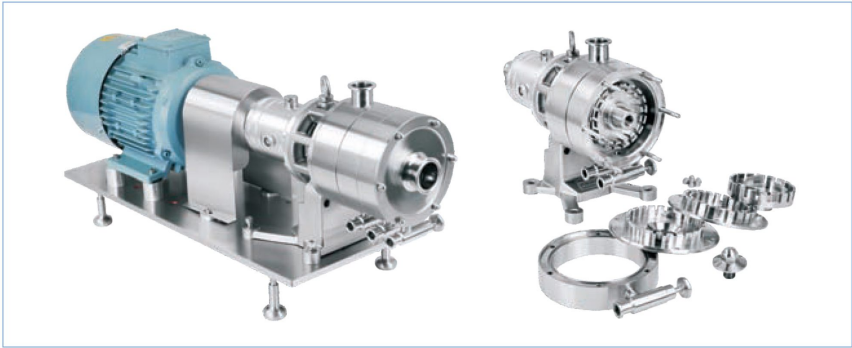
Max flow	50m ³ /h		
Max power	160KW		
Max temperature	-20℃to140℃		
Material	304 /316L, 1.431/1.4404, ASME BPE 316L, 1.4435 NB2 Fe≤0.5% Dual-phase steel 2205, Hastelloy alloy C276		
Surface treatment	≤ Ra0.8 μ m, ≤ Ra0.6 μ m, ≤ Ra0.4 μ m		
Mechanical seal	Single and double mechanical seals		
Mechanical seal combination	See configuration table		
Inlet/outlet connection	Thread, clamp, flange, Aseptic flange		
Certification	3-A-02-12(N.O.1579); MD/06/42-EC (N.O.70521616101-00); FDA 177.2600; USP CLASS-II; EG/VO1935/2004		



Model	(Inlet)	(Outlet)	A	A'	B	C	AA	K	D	E	F	L	LA	HA	HB	OD	F1	X	Z
JZ2-130	2"/2.5"	1.25"/1.5"	180	170	170	205	215	13	219.2	58.2	42	455.4	109.7	133.7	200	197	12	35	7
JZ2-150	2"/2.5"	1.5"/DN40	180	170	170	205	215	13	219.2	58.2	42	466.7	101.7	133.7	200	217	12	35	7
JZ2-170	2.5"	2"/DN50	180	170	170	205	215	13	220.2	58.2	42	482.7	124.7	156.2	200	237	12	35	7
JZ2-190	DN65/3"	2"/2.5"	235	220	250	290	275	13	213.2	65.2	48	505.8	129.7	171.2	257	257	14	42.5	5.5
JZ2-210	3"/DN80	2.5"/DN65	235	220	250	290	275	13	244.2	96.2	48	546.8	136.7	184.2	257	283	14	42.5	5.5
JZ2-240	4"/DN100	3"/DN80	235	220	250	290	275	13	244.2	96.2	48	571.7	153.8	199.2	257	313	14	42.5	5.5

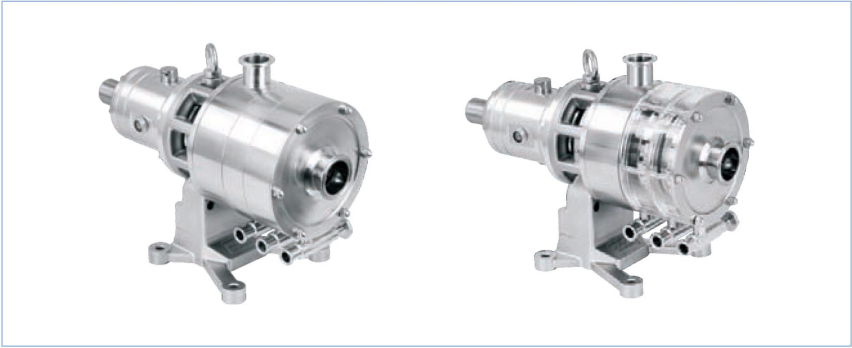
Model	(Inlet)	(Outlet)	A	A'	B	C	AA	K	D	E	F	L	LA	HA	HB	OD	F1	X	Z
JZ3-130	2"/2.5"	1.25"/1.5"	180	170	170	205	215	13	219.2	58.2	42	496.7	151.2	133.7	200	197	12	35	7
JZ3-150	2"/2.5"	1.5"/DN40	180	170	170	205	215	13	219.2	58.2	42	509.2	144.2	133.7	200	217	12	35	7
JZ3-170	2.5"	2"/DN50	180	170	170	205	215	13	220.2	58.2	42	525.2	167.2	156.2	200	237	12	35	7
JZ3-190	DN65/3"	2"/2.5"	235	220	250	290	275	13	213.2	65.2	48	550.3	174.2	171.2	257	257	14	42.5	5.5
JZ3-210	3"/DN80	2.5"/DN65	235	220	250	290	275	13	244.2	96.2	48	593.3	183.2	184.2	257	283	14	42.5	5.5
JZ3-240	4"/DN100	3"/DN80	235	220	250	290	275	13	244.2	96.2	48	623.2	205.3	199.2	257	313	14	42.5	5.5

DJ-JZ series multi-stage emulsifying homogenizing pump



DJ-JZ2 series multi-stage emulsifying homogenizing pump selection table (without motor)

Model	Viscosity (CPS)	Flow(m³/h)	Outlet pressure (bar)	Rotate speed (r/min)	Inlet/Outlet	Weight (kg)
DJ-JZ2-130	≤1500	8.0	1.5	2950	1.5"/1.5"-1.25" DN40/DN40-32	49
	≤3500	4.0	1.5	1450		
	≤6000	2.7	1.5	950		
DJ-JZ2-150	≤700	12.0	2.0	2950	2"/1.5" DN50/40	54
	≤3000	6.0	2.0	1450		
	≤5000	4.0	2.0	950		
DJ-JZ2-170	≤1000	15.0	2.0	2950	2.5"/2" DN65/50	57
	≤3000	7.5	2.0	1450		
	≤5000	5.0	2.0	950		
DJ-JZ2-190	≤500	25.0	2.0	2950	2.5"/2.5" 3"/2.5	78
	≤3000	12.5	2.0	1450		
	≤5000	8.3	2.0	950		
DJ-JZ2-210	≤900	40.0	2.0	2950	3"/2.5" DN80/65	89
	≤2700	20.0	2.0	1450		
	≤5000	13.3	2.0	950		
DJ-JZ2-240	≤550	65.0	2.0	2950	4"/3" DN100/80	104
	≤2300	32.5	2.0	1450		
	≤6000	21.7	2.0	950		



DJ-JZ3 series multi-stage emulsifying homogenizing pump selection table (without motor)

Model	Viscosity (CPS)	Flow(m³/h)	Outlet pressure (bar)	Rotate speed (r/min)	Inlet/Outlet	Weight (kg)
DJ-JZ3-130	≤1500	8.0	≤1.5	2950	1.5"/1.5"-1.25" DN40/DN40-32	56
	≤3500	4.0	1	1450		
	≤6000	2.7	1	950		
DJ-JZ3-150	≤700	12.0	≤1.5	2950	2"/1.5" DN50/40	62
	≤3000	6.0	1.0	1450		
	≤5000	4.0	1.0	950		
DJ-JZ3-170	≤1000	15.0	≤1.5	2950	2.5"/2" DN65/50	67
	≤3000	7.5	1.0	1450		
	≤5000	5.0	1.0	950		
DJ-JZ3-190	≤500	25.0	≤1.5	2950	2.5"/2.5" 3"/2.5	88
	≤3000	12.5	1.0	1450		
	≤5000	8.3	1.0	950		
DJ-JZ3-210	≤900	40.0	≤1.5	2950	3"/2.5" DN80/65	102
	≤2700	20.0	1.0	1450		
	≤5000	13.3	1.0	950		
DJ-JZ3-240	≤550	65.0	≤1.5	2950	4"/3" DN100/80	120
	≤2300	32.5	1.0	1450		
	≤6000	21.7	1.0	950		

JZLX series emulsifying homogenizing pump



Centrifugal JZLX Homogenizing Pump-2025 Model Selection Table

Model	Power	Flow(m³/h)	Head(M)	Inlet/Outlet
DJ-JZLX-15	1.5KW	5	18	2"/1.5"
	2.2KW	10	15	
	3.0KW	15	12	
DJ-JZLX-20-1	2.2KW	5	25	2"/2"
	3.0KW	5	25	
	4.0KW	10	24	
	4.0KW	15	22	2.5"/2"
	4.0KW	20	20	
	5.5KW	25	19	
	5.5KW	30	15	
DJ-JZLX-20-2	5.5KW	15	28	2"/2"
	5.5KW	20	25	
	5.5KW	25	24	2.5"/2"
	5.5KW	30	22	
	7.5KW	35	20	
DJ-JZLX-25	4.5KW	5	35	2.5"/1.5"
	5.5KW	10	33	
	5.5KW	15	30	
DJ-JZLX-30	5.5KW	10	38	2.5"/1.5"
	7.5KW	15	35	
	7.5KW	20	30	3"/2"
	7.5KW	25	28	
DJ-JZLX-35-1	11KW	10	45	3"/1.5"
	11KW	15	45	
	11KW	20	40	
	11KW	25	40	3"/2"
	11KW	30	37	
	15KW	35	34	
	15KW	40	30	
DJ-JZLX-30	15KW	15	48	3"/1.5"
	15KW	20	46	
	15KW	25	46	3"/2"
	15KW	30	45	
	18.5KW	40	38	
	11KW	50	27	
DJ-JZLX-35-1	15KW	60	25	3"/2.5"
	15KW	70	23	
	18.5KW	70	23	
	15KW	50	32	3"/2.5"
	18.5KW	60	30	
	22KW	70	28	4"/3"

PMZX series mixing pump

Solution for emulsification, homogenization, refining, mixing, adjustable, multi-tasking, mixing powder and liquid



The PM series mixing pump is for mixing material and liquid with multi-functions, such as mixing, shearing, emulsifying, homogenizing, dispersing, refining, crushing and material improvement. Compared with the traditional production process, the pump is more simple, convenient and economical, which improves the production efficiency and the quality of treated materials.

Typical application: food, beverage, dairy products, additives, personal care, biopharma, thickeners, industrial applications, etc.

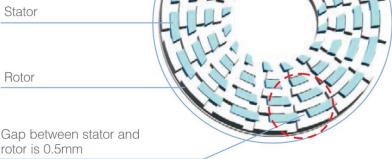


PMZX series mixing pump



DJ-JZ1 Emulsification homogenization pump

JZ1 Series pumps can be used for emulsifying, homogenizing, refining, dispersing, crushing and mixing of various complex components such as stabilizers, thickeners, gels, flavors, sugars and other additives. And the strong mixing ability makes the materials reach high consistency and improves the quality of materials.



Technical Specifications

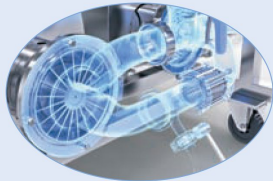
Maximum capacity of powder	9000kg/h
Maximum capacity of thickeners	3000kg/h (Depends on the viscosity and concentration of material)
Maximum temperature	-10℃~150℃
Material	304 /316L, 1.4301/1.4404, ASME BPE 316L, 1.4435 BN2 Fe≤0.5% Dual-phase steel 2205, Hastelloy alloy C276
Surface treatment	≤ Ra0.8 μ m, ≤ Ra0.6 μ m, ≤ Ra0.4 μ m
Mechanical seal	Single and double mechanical seal
Mechanical seal combination	See configuration table
Inlet/Outlet connection	Thread, Clamp, Flange, Aseptic flange
Certification	3-A-02-12(N.O.1579); MD/06/42-EC (N.O.70521616101-00); FDA 177.2600; USP CLASS-II; EQ/VO1935/2004



Cleaning liquid is poured into the hopper



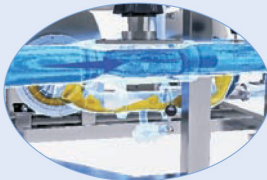
Clean the pipes and hopper



Open bottom discharge valve to drain the cleaning solution



Powder and liquid are strongly sucked into the pump chamber



The material is being homogeneously mixed



The homogeneous mixture is transported to the tank equipment

Very Simple And Clear Piping Layout

- Multiple tasks can be handled simultaneously.
- Ratio between liquid and powder is adjustable.
- The powder inlet is designed with a valve that controls the amount of powder inhaled. The valve can be manual and pneumatic.
- The liquid inlet is designed with a valve that controls the flow of liquid inhaled.
- The side of the hopper is designed with a vibrator to prevent the powder from accumulating and agglomerating.
- The hopper can be configured with tuning fork sensor, when work automatically, the sensor can prevent mixture ratio from inconsistent caused by low amounts of powder, and also can prevent the powder from overflowing.

PMZX series mixing pump



Solution for emulsification, homogenization, refining, mixing, adjustable, multi-tasking, mixing powder and liquid



PMZX21 Mixing pump selection table

Homogeneous mixing pump	Mixed material flow (m³/h)	Lobe pump		Emulsifying homogenizing pump		Powder capacity-kg/h			Inlet	Outlet	Hopper capacity (L)	Power (KW)	(CP.S)
				Speed (2950-MIN)		Granulated sugar	Skim milk protein powder	Thickener powder (base on grade & density)					
		Model	Power (KW)	Model	Power (KW)								
DJ-PMZX21-13	8	CIP-10	5.5	JZ1-130	5.5	500	450	100-300	2.5"	1.5"-DN40	50 L	11	≤500
DJ-PMZX21-15	12	CIP-10	5.5	JZ1-150	11	1000	900	300-500	2.5"	2"-DN50	50 L	16.5	≤500
DJ-PMZX21-17	15	CIP-20	7.5	JZ1-170	18.5	1800	1600	500-800	2.5"	2"-DN50	50 L	26	≤500
DJ-PMZX21-19	25	CIP-20	7.5	JZ1-190	30	3500	3200	800-1500	3"	2"-2.5" DN50-65	50 L	37.5	≤500

PMTU series mixing pump



Solution for emulsification, homogenization, refining, mixing, adjustable, multi-tasking, mixing powder and liquid



PMTU21 Mixing pump selection table

Homogeneous mixing pump	Mixed material flow (m³/h)	Lobe pump		Emulsifying homogenizing pump		Powder capacity-kg/h			Inlet	Outlet	Hopper capacity (L)	Power (KW)	(CP.S)
				Speed (2950-MIN)		Granulated sugar	Skim milk protein powder	Thickener powder (base on grade & density)					
		Model	Power (KW)	Model	Power (KW)								
DJ-PMTU21-13	4	TUL-30	3.0	JZ1-130	5.5	500	450	100-200	2"	1.5"-DN40	50 L	8.5	≤2000
DJ-PMTU21-15	6	TUL-35	3.0	JZ1-150	11	1000	900	200-400	2"	2"-DN50	50 L	14	≤2000
DJ-PMTU21-17	7.5	TUL-60	3.0	JZ1-170	18.5	1800	1600	300-500	2.5"	2"-DN50	50 L	21.5	≤2000
DJ-PMTU21-19	12.5	TUL-70	5.5	JZ1-190	30	3500	3200	600-1200	3"	2"-2.5" DN50-65	50 L	35.5	≤2000

PMLG series mixing pump



Solution for emulsification, homogenization, refining, mixing, adjustable, multi-tasking, mixing powder and liquid



PMLG21 Mixing pump selection table

Homogeneous mixing pump	Mixed material flow (m³/h)	Lobe pump		Emulsifying homogenizing pump		Powder capacity-kg/h			Inlet	Outlet	Hopper capacity (L)	Power (KW)	(CP.S)
				Speed (2950-MIN)		Granulated sugar	Skim milk protein powder	Thickener powder (base on grade & density)					
		Model	Power (KW)	Model	Power (KW)								
DJ-PMLG21-13	4	LGR-20-18	1.5	JZ1-130	5.5	0-500	0-450	100-200	2"	1.5"-DN40	50 L	7	≤2000
DJ-PMLG21-15	6	LGR-20-39	1.5	JZ1-150	11	0-1000	0-900	200-400	3"	2"-DN50	50 L	12.5	≤2000
DJ-PMLG21-17	7.5	LGR-30-40	3.0	JZ1-170	18.5	0-1800	0-1600	300-500	3"	2"-DN50	50 L	21.5	≤2000
DJ-PMLG21-19	12.5	LGR-30-60	4.0	JZ1-190	30	0-3500	0-3200	600-1200	4"	2"-2.5" DN50-65	85 L	34	≤2000

PMZX series mixing pump



Solution for emulsification, homogenization, refining, mixing, adjustable, multi-tasking, mixing powder and liquid



PMZX Mixing pump selection table

Homogeneous mixing pump	Mixed material flow (m³/h)	Self-priming pump /motor		Emulsifying homogenizing pump		Powder capacity-kg/h			Inlet	Outlet	Hopper capacity (L)	Power (KW)	(CP.S)
				Speed (2950-MIN)		Granulated sugar	Skim milk protein powder	Thickener powder (base on grade & density)					
		Model	Power (KW)	Model	Power (KW)								
DJ-PMZX-13	8	CIPU-10	5.5	JZ1-130	5.5	500	450	100-300	2.5"	1.5"-DN40	45 L	11	≤500
DJ-PMZX-15	12	CIPU-10	5.5	JZ1-150	11	1000	900	300-500	2.5"	2"-DN50	45 L	16.5	≤500
DJ-PMZX-17	15	CIPU-20	7.5	JZ1-170	18.5	1800	1600	500-800	2.5"	2"-DN50	45 L	26	≤500
DJ-PMZX-19	25	CIPU-20	7.5	JZ1-190	30	3500	3200	800-1500	3"	2"-2.5" DN50-65	65 L	37.5	≤500
DJ-PMZX-21	35	CIPU-30	11	JZ1-210	37	6000	4500	1500-3000	3"	3" DN65-DN80	65 L	48	≤500

PMTU Series mixing pump



Solution for emulsification, homogenization, refining, mixing, adjustable, multi-tasking, mixing powder and liquid



PMTU Mixing pump selection table

Homogeneous mixing pump	Mixed material flow (m³/h)	Lobe pump		Emulsifying homogenizing pump		Powder capacity-kg/h			Inlet	Outlet	Hopper capacity (L)	Power (KW)	(CP.S)
				Speed (1450-MIN)		Granulated sugar	Skim milk protein powder	Thickener powder (base on grade & density)					
		Model	Power (KW)	Model	Power (KW)								
Model													
DJ-PMTU-13	4	TUR-30	3.0	JZ1-130	5.5	500	450	100-200	2"	1.5"-DN40	45L	8.5	≤2000
DJ-PMTU-15	6	TUR-35	3.0	JZ1-150	11	1000	900	200-400	2"	2"-DN40	45L	14	≤2000
DJ-PMTU-17	7.5	TUR-60	3.0	JZ1-170	18.5	1800	1600	300-500	2.5"	2"-DN50	45L	21.5	≤2000
DJ-PMTU-19	12.5	TUR-70	5.5	JZ1-190	30	3500	3200	600-1200	3"	2"-2.5" DN60-65	65L	35.5	≤2000
DJ-PMTU-21	20	TUR-70	5.5	JZ1-210	45	5000	4500	1200-2000	3"	3" DN65-DN80	65L	50.5	≤2000
DJ-PMTU-24	30	TUR-100	7.5	JZ1-240	55	10000	9000	1500-3000	4"	4"-DN100	65L	62.5	≤2000

HHQ/HHZ series mixing pump



Solution for emulsifying, mixing, adjustable, multi-tasking powder and liquid mixing

The HHQ series mixing pump is for mixing solid or powder into the liquid. It provides on-line perfect processing solutions for milk powder compounding, syrup making and brine making, etc. It also can be used for preparing solid and powder mixing, in the food and beverage, biopharmacy, traditional chinese medicine making, cosmetics and chemicals.

Technical Specifications

Max capacity of powder	9000kg/h
Max capacity of thickeners	3000kg/h (Depends on the viscosity and concentration of the material)
Max temperature	130°C
Material	304 /316L, 1.4301/1.4404, ASME BPE 316L, 1.4435 BN2 Fe≤0.5% Dual-phase steel 2205, Hastelloy alloy C276
Surface treatment	≤ Ra0.8 μ m, ≤ Ra0.6 μ m, ≤ Ra0.4 μ m
Mechanical seal	Single mechanical seal and double mechanical seal
Mechanical seal combination	See configuration table
Inlet/Outlet Connection	Thread, Clamp, Flange, Aseptic flange
Certification	3-A-02-12(N.O.1579); MD/06/42-EC (N.O.70521616101-00); FDA 177.2600; USP CLASS-II; EG/VO1935/2004

HHQ/HHZ series mixing pump



Simple, flexible, economical, and efficient



Mixing pump with working platform

There are two series of mixing pumps:
HHQ series is typically used for mixing, emulsification, homogenization and other functions of powder, solid, liquid and other materials and liquids.

HHZ series is typically used for mixing, homogenizing, emulsification, refinement, dispersion, depolymerization and other functions of powder, solid, liquid and other materials with liquid.



Powder and liquid are strongly sucked into the pump chamber



The material is being mixed



The mixture is transported to the tank equipment

Very Simple And Clear Piping Layout

- Multiple tasks can be handled simultaneously.
- Ratio between liquid and powder is adjustable.
- The powder inlet is designed with a valve that controls the amount of powder inhaled. The valve can be manual and pneumatic.
- The liquid inlet is designed with a valve that controls the flow of liquid inhaled.
- The side of the hopper is designed with a vibrator to prevent the powder from accumulating and agglomerating.
- The hopper can be configured with tuning fork sensor, when work automatically, the sensor can prevent mixture ratio from inconsistent caused by low amounts of powder, and also can prevent the powder from overflowing.



Mobile+Multifunctional Hopper+Control Box-Mixing Pump



Mobile Mixing+Control Box



HHZ homogenizer selection table

Model	Viscosity (CPS)	Power (kw)	Flow (m³/h)	Outlet pressure (bar)	Rotate speed (r/min)	Solid Inlet	Liquid Inlet	Outlet
DJ-HHZ-170	≤100	4.0	15.0	1.5	2950	3"	DN40-1.5"	DN50-2"
	≤200	7.5						
	≤300	11.0						
	≤500	18.5						
	≤300	3.0	7.5	1.5	1450	3"	DN40-1.5"	DN50-2"
	≤600	5.5						
	≤800	7.5						
	≤1000	11.0						
	≤1500	15.0						
	≤2000	18.5	5.5	1.5	950	3"	DN40-1.5"	DN50-2"
	≤1000	4.0						
	≤2000	7.5						
	≤3000	11.0						
	≤4000	15.0						
	≤5000	22.0						
DJ-HHZ-190	≤120	7.5	25.0	1.5	2950	DN80	DN50-2"	DN65-2.5"
	≤200	11.0				4"	DN65-2.5"	DN65-2.5"
	≤320	22.0						
	≤500	30.0				12.5	1.5	1450
	≤500	7.5						
	≤700	11.0						
	≤1000	15.0						
	≤1300	22.0	DN80	DN50-2"	DN65-2.5"			
	≤1800	30.0						
	≤1000	7.5						
	≤2000	15.0						
	≤3000	22.0						
≤4000	30.0							
DJ-HHZ-210	≤120	11.0	40.0	1.5	2950	4"	DN65-2.5"	DN65-2.5"
	≤220	22.0						
	≤320	30.0						
	≤500	11.0						
	≤700	15.0	20.0	1.5	1450	4"	DN65-2.5"	DN65-2.5"
	≤1000	22.0						
	≤1500	30.0						
	≤800	7.5						
	≤1200	11.0	13.3	1.5	950	4"	DN65-2.5"	DN65-2.5"
	≤1500	15.0						
	≤2000	18.5						
	≤3000	30.0						
≤500	7.5							
DJ-HHZ-240	≤120	15.0	65.0	1.5	2950	4"	DN65-2.5"	DN65-2.5"
	≤150	22.0						
	≤200	30.0						
	≤300	11.0						
	≤500	18.5	32.5	1.5	1450	4"	DN65-2.5"	DN65-2.5"
	≤800	30.0						
	≤500	7.5						
	≤800	11.0	21.7	1.5	950	4"	DN65-2.5"	DN65-2.5"
	≤1000	15.0						
	≤1500	22.0						
≤2000	30.0							
≤2000	30.0							

HHQ series mixing pump



HHQ mixing pump selection table

Model	Power	Outlet pressure (bar)	Flow(m³/h)	Applicable mixture viscosity	Hopper volume	Solid suction volume	Solid Inlet	Liquid Inlet	Outlet	Connection way
HHQ-10	3KW	3.0	10	≤300	45L	2000kg/h	3"	DN40~1.5"	DN50~2"	Clamp, Thread
	4KW			≤500						
HHQ-20	4KW	3.0	20	≤300	45L	3000kg/h	3"	DN40~1.5"	DN50~2"	Clamp, Thread
	5.5KW			≤500						
HHQ-30	5.5KW	3.0	30	≤300	45L	4200kg/h	DN80	DN50~2"	DN65~2.5"	Clamp, Thread
	7.5KW			≤500						
HHQ-40	7.5KW	3.0	40	≤300	45L	5500kg/h	DN80	DN50~2"	DN65~2.5"	Clamp, Thread
	11KW			≤500						
HHQ-50	11KW	3.0	50	≤300	65L	7000kg/h	4"	2.5"	DN80~3"	Clamp, Thread
	15KW			≤500						
HHQ-60	15KW	3.0	60	≤300	65L	9000kg/h	4"	2.5"	DN80~3"	Clamp, Thread
	22KW			≤500						

Hopper

Simple, flexible, economic and plenty combination

Hoppers can be configured with all series of pumps and also with various functions



Multi-function cover



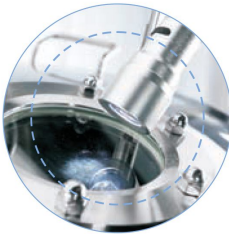
Control valve



Pneumatic vibrator



Electric vibrator



Sight glass + LED light



Tuning fork position sensor

HYGS constant pressure water supply system

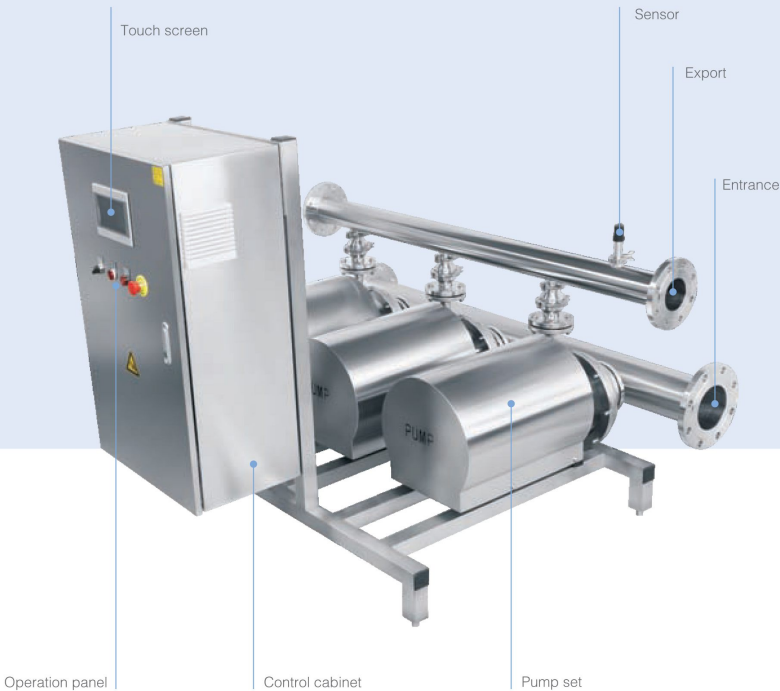
Energy saving, constant pressure,
full automatic control, flow regulated by variable
frequency and very wide setting range of pressure



The constant pressure water supply system is a fully automatic controlled constant pressure water supply equipment. When the water consumption does not exceed the water output of a single pump, the water supply is maintained by a single pump. When the water consumption exceeds the water output of a single pump, the pressure sensor is used. When the pressure of the fluid in the sensing tube drops, after analysis and calculation, the microcomputer controller outputs a signal to the frequency converter according to the calculation result, and the frequency converter controls the operation of the frequency conversion main pump and adjusts the number of pumps according to the water consumption, thereby greatly saving electricity and water.

Technical Features

- Power saving 23–55%.
- It can reliably realize soft-start and alternate operation for multiple pump sets, greatly prolonging the equipment's service life.
- Various automatic protection functions such as undervoltage, overvoltage, overcurrent, overload, short circuit, overheating, stall, etc.
- Adopt digital PID adjustment, high precision constant pressure and small fluctuation of water pressure.
- It can meet requirements of various working condition such as constant pressure variable flow and variable pressure variable flow.



Technical Specifications

Traffic demand	1m ³ to 500m ³ /h, automatic frequency conversion control, defined according to user needs
Greatest pressure	21bar, set the required pressure through the touch screen or the upper computer PLC
Overflow material	SS304/316L
Hygiene certification	U.S. 3A-02-12 Sanitary Standard
Safety certificate	Germany TUV MD/06/42/EC
Seal certification	FDA177.2600

HYGS-MINI constant pressure water supply system



HYGS-MINI series is a small fully automatic water supply equipment. The required pressure and flow are set through the touch screen to form PID closed-loop control, so as to meet the pressure and flow requirements.

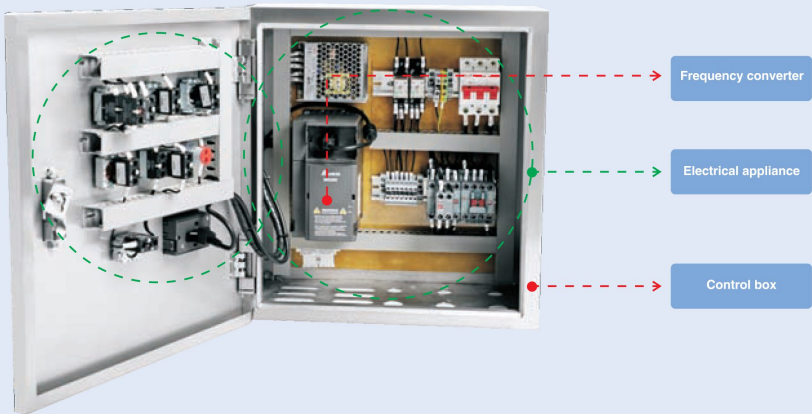


Technical Features

- Energy saving, efficient and economical
- Maximum flow: 0-60m³/h
- Maximum pressure: 8 bar
- Automatically seek frequency conversion or start multiple pump groups according to the flow
- Overflow material: SS304/316L
- Hygienic certification: American 3A-02-12 sanitation standard
- Safety certification: Germany TUV MD/06/42/EC
- Sealing certification: FDA177.2600



Pump series-special control box



Control 1 motor - control box

- A1: Simple type: switch control box
- A2: Button function: switch control box
- A3: Multi-function: switch control box "additional functions"
- B1: Simple type: single frequency conversion control box
- B2: Multi-function: single frequency conversion control box "additional functions"

Control 2 motors - control box

- C1: Simple type: single frequency conversion – single switch – control box
- C2: Multi-function: single frequency conversion – single switch – control box "additional functions"
- D1: Simple type: double frequency conversion control box
- D2: Multi-function: double frequency conversion control box "additional functions"

Control box-adapted pump series

Control box series	A1–A2–A3; B1–B2								C1–C2; D1–D2
Pump series	Centrifugal pump	self-priming pump	Flexible Impeller Pump	Rotor pump	screw pump	Homogenizer pump	Sine pump	Mixer	Homogeneous mixing pump

Control Box-A1 Series

Switch type control box



- a: Scope of application: single motor-series pump
- b: Power range: $\leq 5.5\text{kw}$
- c: Function: power-on indication, forward rotation, reverse rotation
- d: lower cost, low power, switch control type

Pump series-special control box

Control Box-A2 Series

Switch
type control
box



- a: Scope of application: single motor-series pump
b: Function: power-on indication, start indication, start, stop, forward rotation, reverse rotation, emergency stop

Power range

≤ 4kw	5.5-7.5kw	11-15kw	18.5-22kw	30-37kw	45-55kw
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Pump series-fit-recommended
"Simple-Switch Control Type"
Centrifugal pump, self-priming pump, rotor pump, screw pump, sinusoidal pump, single-stage homogeneous pump, Multistage Homogenizer Pumps, Mixers, Flexible Impeller Pumps

Control Box-B1 Series

Frequency
conversion
control
box



- a: Scope of application: single motor-series pump
b: Function: power-on indication, start indication, start, stop, emergency stop
c: Additional functions: Additional functions are not available, if necessary, they can be customized, and the price is negotiable

Power range

≤ 4kw	5.5-7.5kw	11-15kw	18.5-22kw	30-37kw	45-55kw	75-90kw
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Pump series-fit-recommended
"Simple-Inverter Control Type"
Centrifugal pumps, self-priming pumps, rotor pumps, screw pumps, sinusoidal pumps, single-stage homogeneous pumps, multi-stage homogeneous pumps, mixers, flexible impeller pumps

Control Box-A3 Series

Switch
type control
box



- a: Scope of application: single motor-series pump
b: Function: power-on indication, start indication, start, stop, forward rotation, reverse rotation, emergency stop
c: Additional functions: pneumatic valve, regulating valve, anti-liquid shortage function, vibrator

Power range

≤ 4kw	5.5-7.5kw	11-15kw	18.5-22kw	30-37kw	45-55kw
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Pump series-fit-recommended
"Multi-function - switch control type"
Centrifugal pumps, self-priming pumps, rotor pumps, screw pumps, sinusoidal pumps, single-stage homogeneous pumps, multi-stage homogeneous pumps, mixers, flexible impeller pumps

Control Box-B2 Series

Frequency
conversion
control
box



- a: Scope of application: single motor-series pump
b: Function: power-on indication, start indication, start, stop, emergency stop
c: Additional functions: pneumatic valve, regulating valve, anti-liquid shortage function, vibrator

Power range

≤ 4kw	5.5-7.5kw	11-15kw	18.5-22kw	30-37kw	45-55kw	75-90kw
-------	-----------	---------	-----------	---------	---------	---------

Pump series-fit-recommended
"Multi-function - switch control type"
Centrifugal pumps, self-priming pumps, rotor pumps, screw pumps, sinusoidal pumps, single-stage homogeneous pumps, multi-stage homogeneous pumps, mixers, flexible impeller pumps

Pump series-special control box

Control Box-C Series



- Can control 2 motors
- The first one: motor switch control
- Second one: motor frequency conversion control
- One inverter can be configured

Control box – technical parameters

- C1-series-function: power indicator, start, stop, emergency stop and other functions
- C2-series-function: power indicator, start, stop, emergency stop, vibrator, lack of liquid protection, level sensor, pneumatic valve control and other functions

Control Box-D Series



- Can control 2 motors
- 2 motors with variable frequency control
- 2 inverters

Control box – technical parameters

- D1-series-function: power indicator, start, stop, emergency stop and other functions
- D2-series-function: power indicator, start, stop, emergency stop, vibrator, lack of liquid protection, level sensor, pneumatic valve control and other functions

IP65 grade control box



Inverter series



Inverter Cooperative Brand

Taiwan Delta, Siemens, ABB, also according to user preference.

Technical parameter

Standard input voltage and frequency: three-phase-AC380V/415V/440V/480V-50HZ/60HZ
 Low voltage input power supply and frequency: three-phase-AC220V/230V-50HZ/60HZ
 Single-phase input power and frequency: single-phase-AC220V/230V-50HZ/60HZ
 Standard protection grade: IP20; optional protection grade IP40



Selection

Determine voltage and power

Note: The general condition of the homogeneous mixing pump is "2 motors". If 2 motors need to control the speed or flow, 2 inverters must be configured. In theory, the powers of the 2 motors are different, so you need to choose two different motors. power inverter.

Fully automatic machine sealing water cooling system

The fully automatic machine-sealed water cooling system is a workstation with fully automatic control such as pressure setting, automatic liquid filling of water storage tanks, and circulating water filtration. The design of this workstation is mainly to solve the working conditions of pump double mechanical seal water flushing, cooling circulation and liquid circulation required on various equipment or used for other purposes.



Fully automatic water cooling system

Supports up to 6 pumps for seal cooling
Support up to 3 homogeneous mixing pumps for mechanical seal cooling system
Power supply: AC 220V/AC110V
Maximum pressure: ≤5bar
Maximum temperature: ≤100℃
Maximum flow: 4000mL/min

B01-水冷系统 B01-Water cooling system



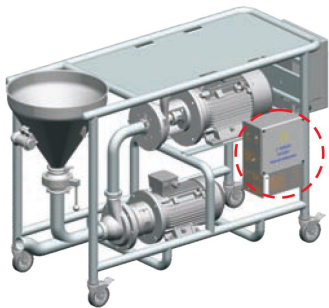
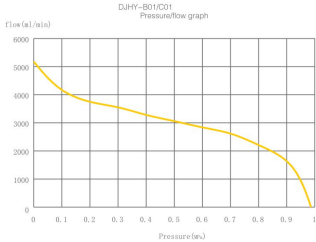
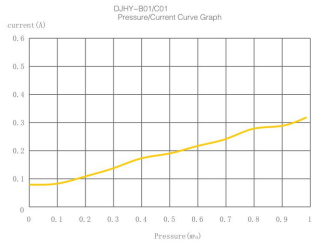
Model	Water supply parameters (mL) – per minute				Power parameters		
	(mL) Max flow	(bar) Max pressure	(mL) Working flow	Work pressure	single phase power	Working current	Max current
DJHY-B01	4000	5bar	3500	3bar	220V	0.3A	0.35A



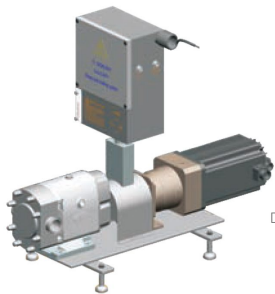
length× width× height
290mmX170mmX400mm

Technical Features

- Automatic control of the liquid level of the water storage tank (transparent and visual inspection)
 - Recycle back water after filtration and reuse.
 - Pressure can be set (pressure can be maintained)
- When the pressure rises to the set maximum pressure, stop the water supply until it drops to set the minimum pressure value to start the water supply.
- When the pressure drops to the set minimum pressure, start the water supply until it reaches the maximum pressure value.

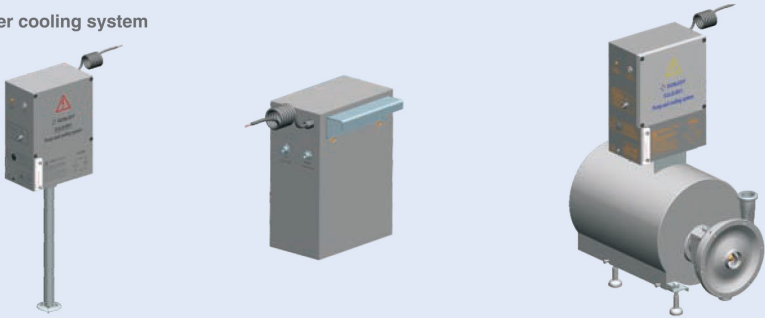


Side mounted



Direct mount

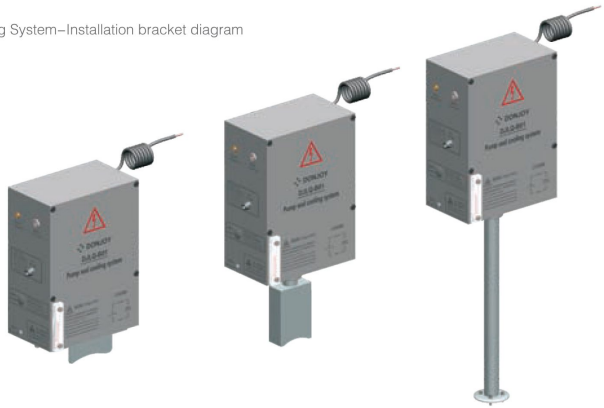
C01-Water cooling system



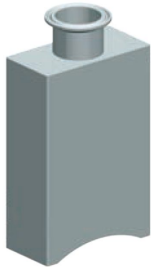
Fully automatic machine sealing water cooling system

B01 Water Cooling System-Mounting bracket

B01 Water Cooling System-Installation bracket diagram



Floor Mounting Bracket



Clamp-type mounting bracket



Pump cover mounting bracket

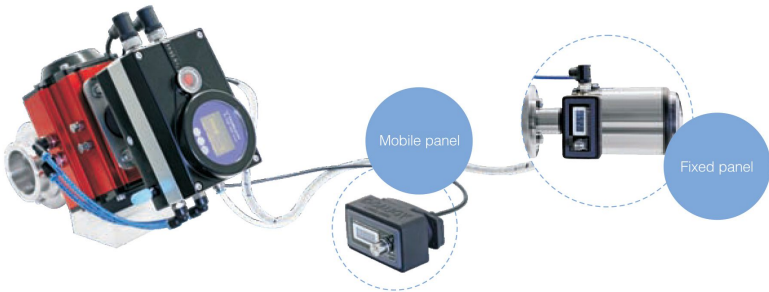
Pump-Instrument-Instrument-Valve

Control valve

Pump valves can be configured according to the needs of users or working conditions to meet various multi-task requirements, such as adjusting the inlet flow, outlet flow, adjusting the amount of powder feeding and other functional requirements. For specific valve automatic control or manual, please refer to the following:



Numbering	5#	6#	7#	8#	9#	10#
Name	Horizontal control valve	Vertical control valve	Horizontal pneumatic valve	Vertical pneumatic valve	Manual valve	Manual fine tuning valve



Operator panel



Mobile or fixed panel can control the valve opening percentage % through the operation panel
No need for external PLC or other host computer to control it

Name
Mobile panel
Fixed panel

Meter



- Transmitter: Temperature, pressure, liquid level, flow, Pt100 etc
- Switch: diaphragm pressure gauge, pressure switch, liquid level switch, temperature switch
- Sensor: inductive sensor, explosion-proof inductive sensor, PNP NPN
- Solenoid valve: namur-mount, tracheal connection type
- Air source accessories: air source filter pressure reducing valve
- Protection level: IP69 IP65
- Explosion-proof grade: can be defined according to users
- Power supply: DC 24V AC220V AC110V
- Output signal: 4~20mA, 0~5V, 0~10V
- Material: 316L/304

The instrument products selected by DONJOY all have high grade of cleanliness and are all domestic or international top brands, such as SMC, FESTO, P+F, ANDERSON-NEGELE, LABOM, AirTac etc various high-quality partners.

Meter

Pressure transmitter series



- Material: 304/1.4301, 316L/1.4404
- Pressure: 0.5.....30bar (according to user requirements)
- Temperature: -30°C~150°C
- Analog output: 4~20mA, 0~5V, 0~10V
- Switch output: PNP NPN
- Power supply: DC 24V
- Protection: IP65/IP69

Temperature transmitter series



- Material: 304/1.4301, 316L/1.4404
- Probe: length can be defined according to user needs
- Temperature: can be defined as 150°C according to user requirements
- Analog output: 4~20mA, Pt100
- Switch output: PNP NPN
- Pressure: 10bar (suitable for vacuum environment)
- Power supply: DC 24V
- Protection: IP65/IP69

Liquid level transmitter series



- Material: 304/1.4301, 316L/1.4404
- Liquid level: According to the actual needs of users
- Temperature: -30°C~150°C
- Analog output: 4~20mA, 0~5V, 0~10V
- Switch output: PNP NPN
- Pressure: 10bar (suitable for vacuum environment)
- Power supply: DC 24V
- Protection: IP65/IP69

Meter

Flow transmitter series



- 材质: 304/1.4301, 316L/1.4404
 - 流量: 根据用户定义
 - 温度: -30°C ~ 150°C (根据用户定义)
 - 模拟量输出: 4~20mA, 0~5V, 0~10V
 - 开关量输出: PNP NPN
 - 压力: 10bar(适用于真空环境)
 - 供电: DC 24V
 - 防护: IP65/IP69
 - 防爆: 1. 本安防爆等级Ex ia II BT4; 2. 隔爆等级 EXD II BT4
- Material: 304/1.4301, 316L/1.4404
 - Flow: According to user definition
 - Temperature: -30°C ~ 150°C (according to user definition)
 - Analog output: 4~20mA, 0~5V, 0~10V
 - Switch output: PNP NPN
 - Pressure: 10bar (suitable for vacuum environment)
 - Power supply: DC 24V
 - Protection: IP65/IP69
 - Explosion-proof: 1. Intrinsically-safe explosion-proof Ex ia II BT4. 2. EXD II BT4

Vibrator series



Electric vibrator

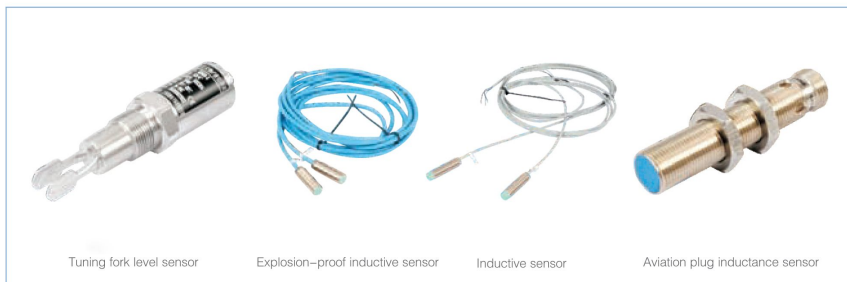


Pneumatic vibrator

- Power supply: single-phase AC 220V 110V, three-phase AC380V
- Noise: The noise is less than 40 decibels

- Air source pressure: 1bar~7bar
- Noise: As the pressure changes, the noise will increase

Sensor series



Tuning fork level sensor

Explosion-proof inductive sensor

Inductive sensor

Aviation plug inductance sensor

Tuning fork level sensor

- Environmental temperature: 80°C
- Analog output: 4~20mA, 0~5V, 0~10V
- Switch output: PNP NPN
- Power supply: DC 24V AC220V/110V
- Protection: IP65/IP69

Air source control series



Side-mounted solenoid valve(NAMUR standard)

Take over solenoid valve

Air source pressure reducing valve

- Solenoid valve
- Power supply: DC 24V; AC 220V 110V
- Pressure: $\leq 8\text{bar}$
- Protection: IP65/IP69
- Explosion-proof: 1. Current explosion-proof grade Ex ia II BT4. 2. EXD II BT4