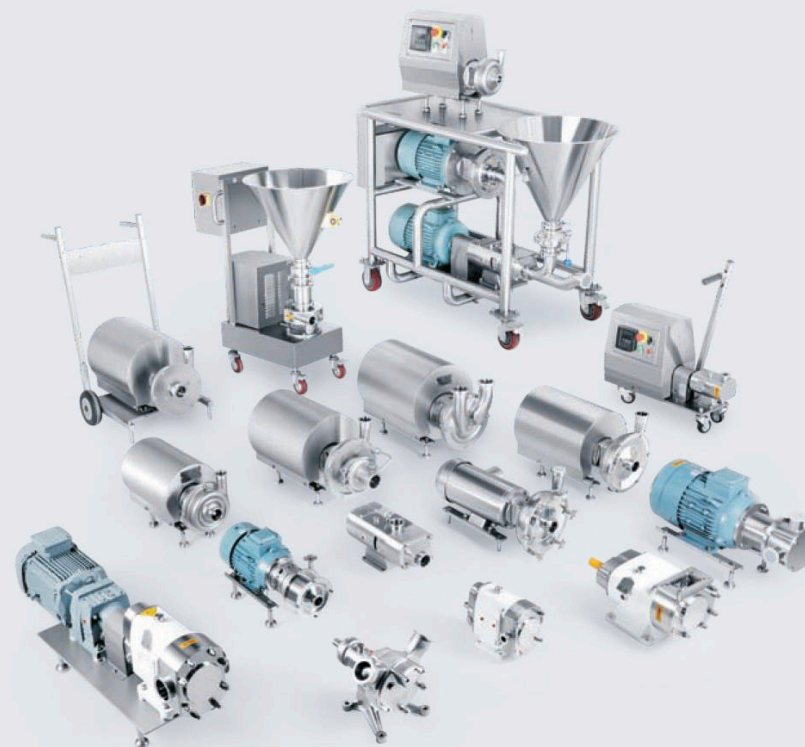




Beluno pumps



BELUNO



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

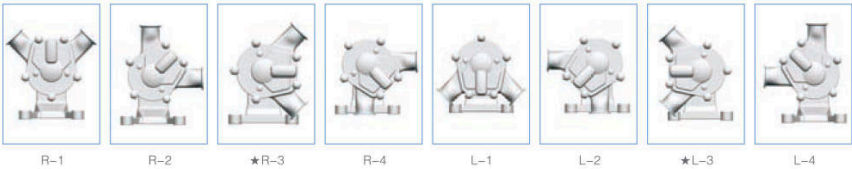


Technical Specifications

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



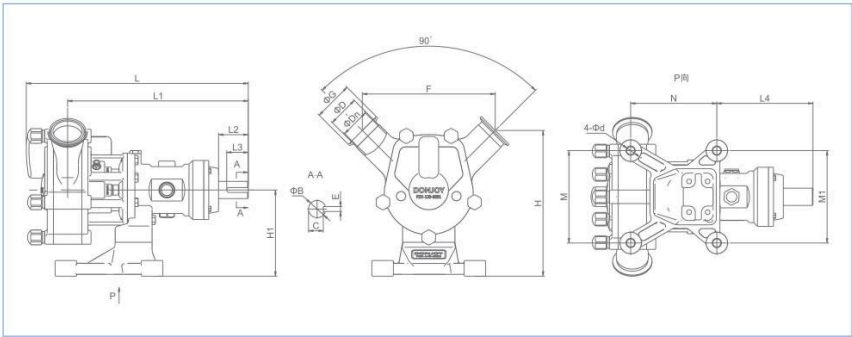
Optional Interface Orientation



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

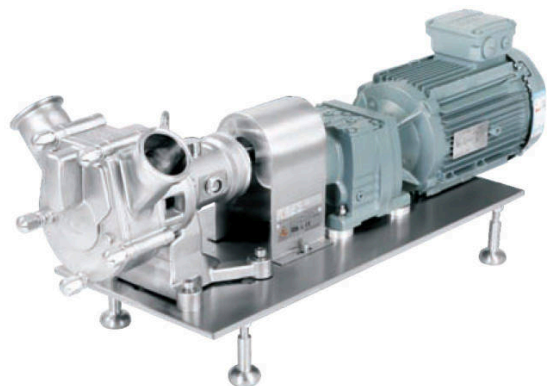
Sine pump selection table

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

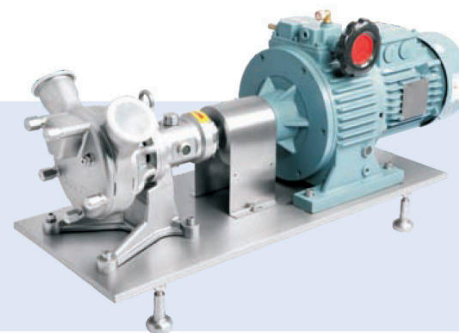
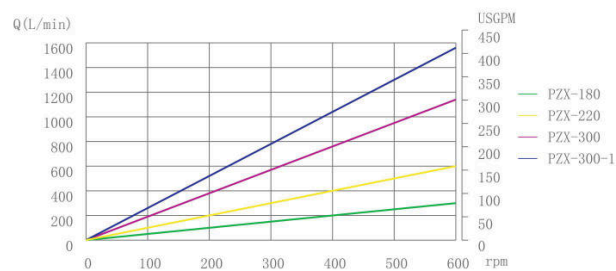
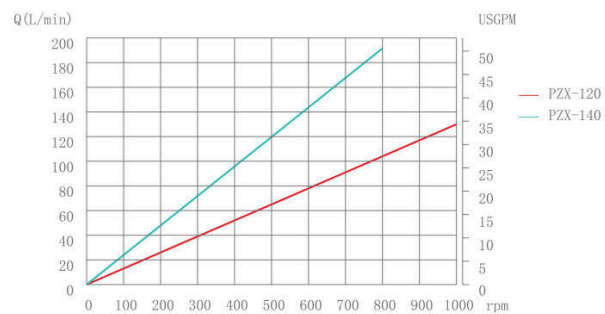


Model	D	Dn	G	F	H	H1	L	L1	L2	L3	L4	M	M1	N	Φd	B	C	E
PZX-120	50.8	47.5	64	216	237	140	360.6	293.5	44.2	35	156.2	150	150	140	13	28	24	8
PZX-140	63.5	59.5	77.5	241.5	249.5	140	378	297	44.2	35	156.2	150	150	140	13	28	24	8
PZX-180	76.2	72.2	91	330.2	325	188	491.3	368.2	72.8	55	189.8	180	170	170	13	42	35	12
PZX-220	89	85	106	306.8	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



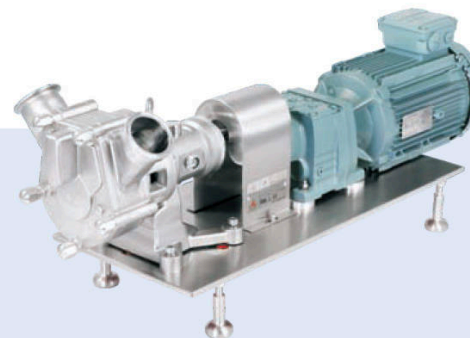
PZX Sine pump curve



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

