



Technical Catalogue



FRX Series

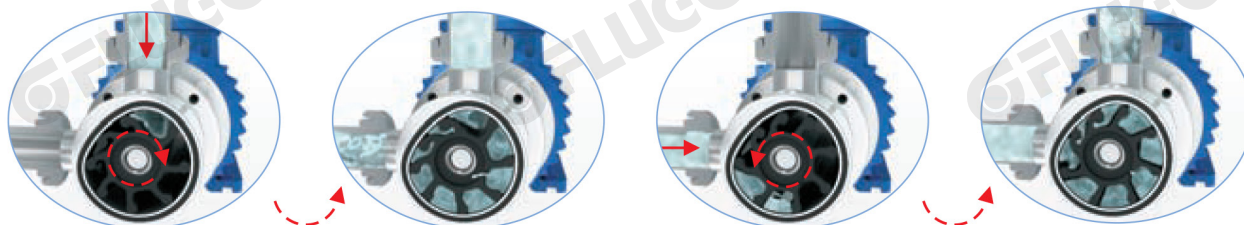
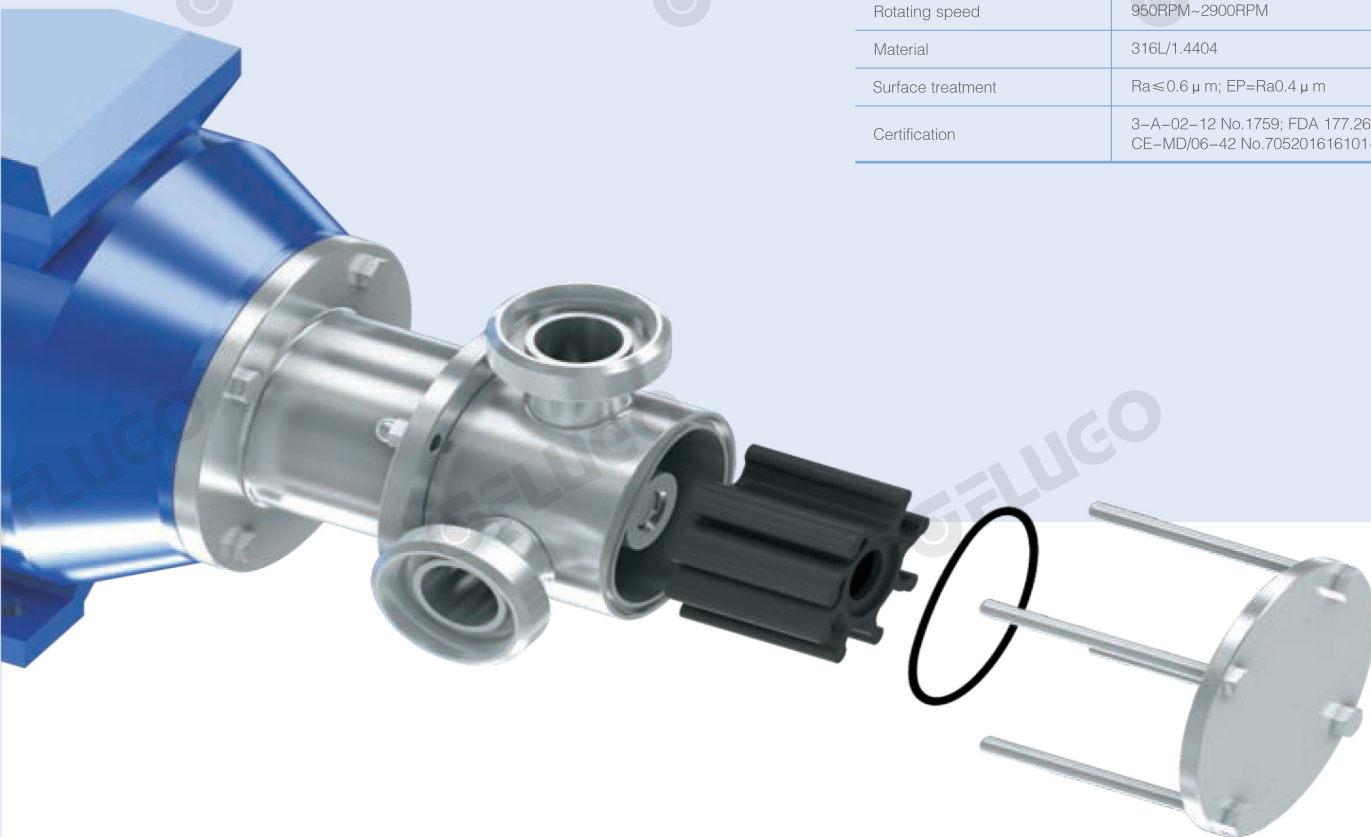
Flexible Impeller Pump

FRX 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



FRX series flexible impeller pump



Excellent self-priming characteristics

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

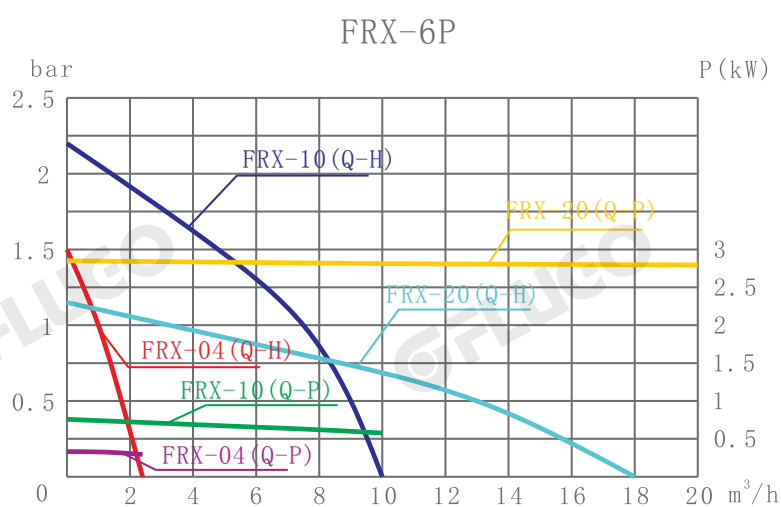
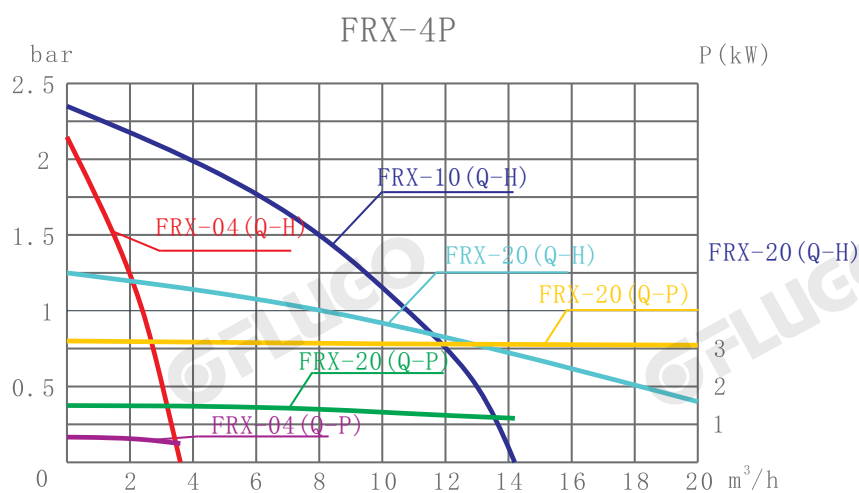
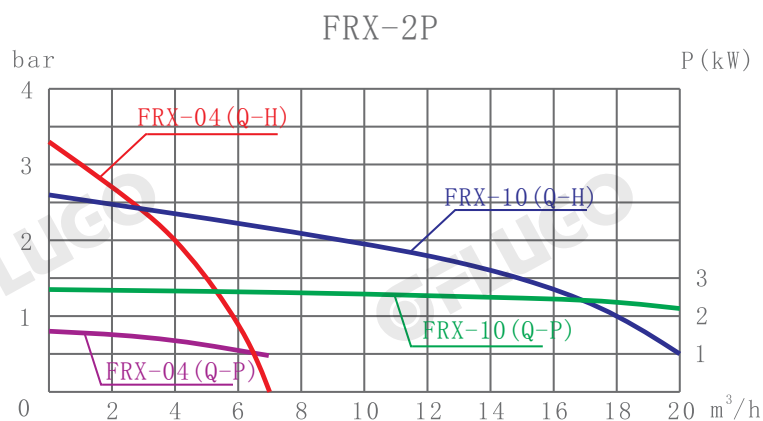
Wide application range

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

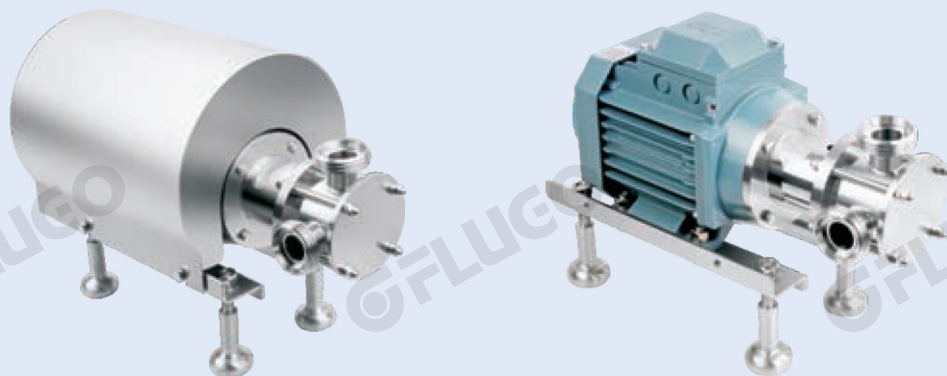
Very gentle pumping

How about function for extracting sensitive medium? FRX's suction function is very smooth and gentle, and does not scrap or damaged 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 FRX pump is guaranteed to run completely without pulsation. By adjusting the pump speed, it can also be used as a dosing pump.

FRX series flexible impeller pump



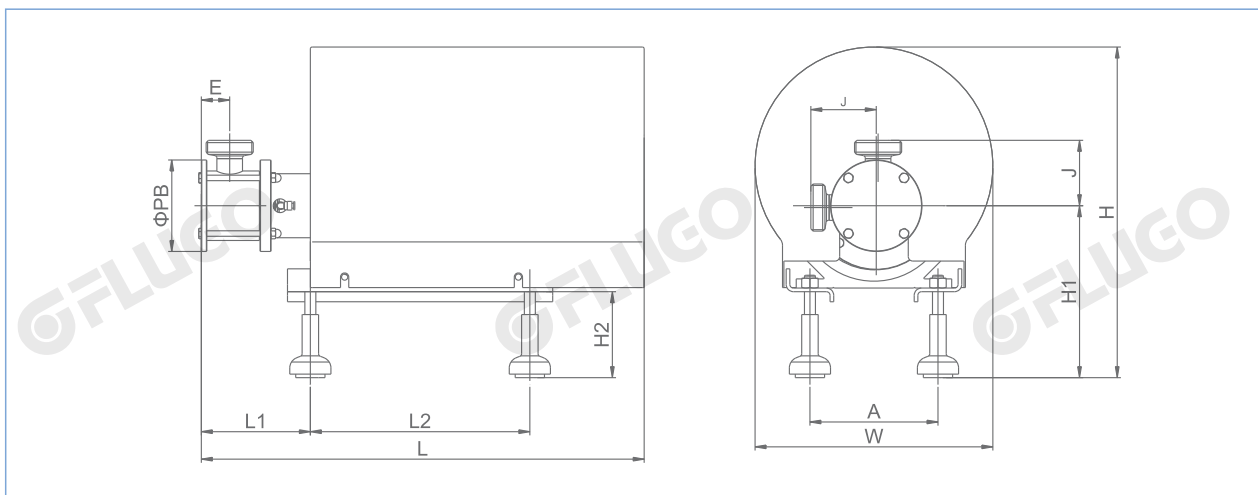
FRX series flexible impeller pump



Flexible impeller pump selection table

Model	(KW) Motor power	(RPM) Speed	(L/R) Flow per rotation	(m³/h) Flow	Max diameter of passed granule	(bar) Pressure	Inlet/Outlet	(m) Max suction	(kg) weight
FRX-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			
	0.75	1450 (4P)	0.060	1.2		1.6	1"/DN25	6	21
				2.3		1.0			
				3.0		0.5			
	0.55	950 (6P)	0.060	1.0		1.0	1"/DN25	6	18
				1.2		0.8			
				1.7		0.5			
FRX-10	3.0	2900 (2P)	0.103	2.0	≤5mm	2.5	1.5"/DN40	5	40
				8.7		2.0			
				14.5		1.5			
				18.0		1.0			
				20.0		0.5			
	1.5	1450 (4P)	0.103	4.0		2.0	1.5"/DN40	6	31
				8.0		1.5			
				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			
FRX-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			
	3.0	950 (6P)	0.214	5.8		0.9	2"/DN50	6	71
				7.5		0.8			
				11.5		0.6			
				13.0		0.5			

FRX series flexible impeller pump



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





FRX Series - Centrifugal Pump

