

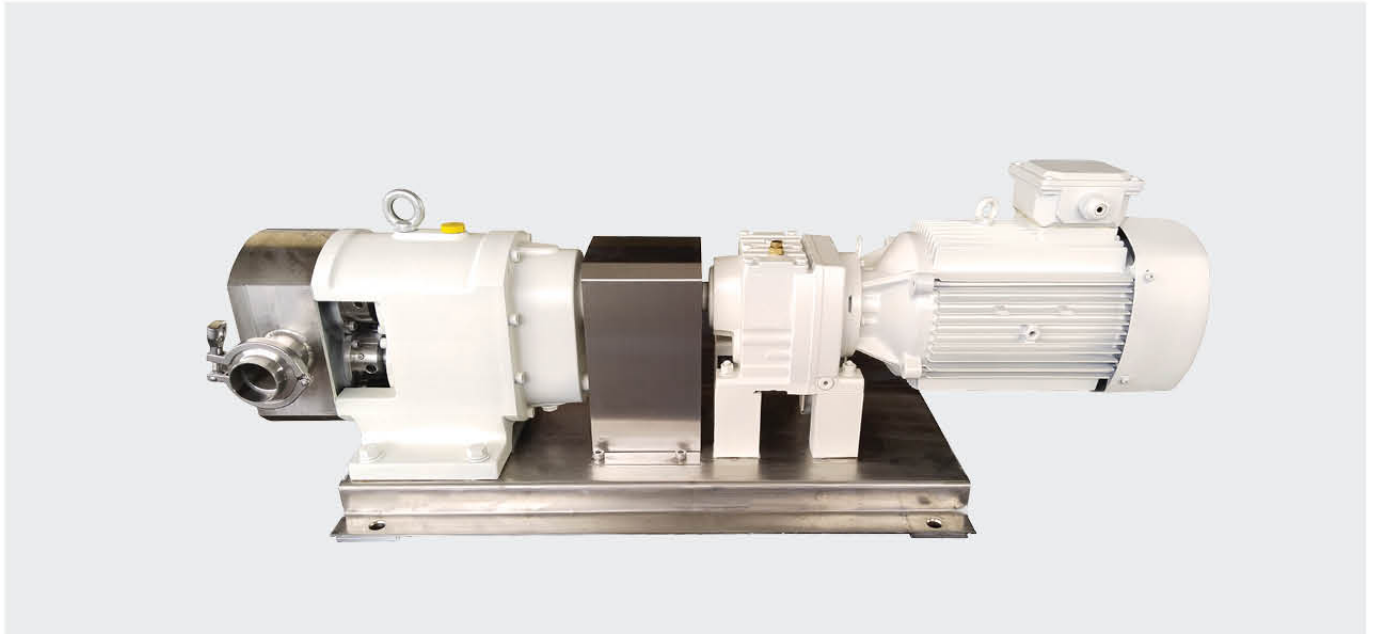


# TIB Rotary Lobe Pumps Datasheet

Fully Integrated Industrial Pumping System

## Rotary Lobe Pump **Model TIB-LP**

We are distributors of all types of pumps.



The pump chamber of a rotary lobe pump consists of two rotors and a pump body. When the two rotors rotate in the opposite direction. The cavity volume changes from small to large to deliver fluid to the target. The mechanical energy fed from the main shaft of the pump is converted into the kinetic energy of the fluid transported by the pump. The pump flow rate depends on the volume of the working chamber and how often it changes per unit time and (theoretically) has nothing to do with the discharge pressure. The rotor on which the pump is driven is driven by a shaft. A synchronous rotor and two counter-rotating rotors. (The number of rotor blades is 1-8) where the inlet volume increases ascending during the rotation process to create suction (vacuum) to inject the material. Then two rotors and a pump cavity. A cavity with a fixed volume is created and the volume at the pump outlet will change from large to small which results in the material flowing out. Higher vacuum is created and pressure is transmitted.

### Type Explanation





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## Technical Parameters

Type	Capacity (L/r)	Rotation speed (r/min)	Flow (m <sup>3</sup> /h)	Power (kw)	Pressure (Mpa)	Suction Pressure (Mpa)	Viscosity (cp)	Inlet & Outlet DN (mm)
TIB-LP-12-0.5-15	0.04	10-550	0.1-0.5	0.55-1.1	0.1-1.2	0.08	1-2000000	15
TIB-LP-12-2-25	0.15	10-550	0.5-2	0.75-2.2	0.1-1.2	0.08	1-2000000	25
TIB-LP-12-5-40	0.32	10-450	2-5	1.1-3	0.1-1.2	0.08	1-2000000	40
TIB-LP-12-10-50	0.65	10-450	5-10	2.2-7.5	0.1-1.2	0.08	1-2000000	50
TIB-LP-12-15-65	1.1	10-450	10-15	3-11	0.1-1.2	0.08	1-2000000	65
TIB-LP-12-20-65	1.74	10-450	15-20	4-15	0.1-1.2	0.08	1-2000000	65
TIB-LP-12-30-80	2.6	10-450	20-30	5.5-22	0.1-1.2	0.08	1-2000000	80
TIB-LP-12-40-80	3.65	10-450	30-40	7.5-30	0.1-1.2	0.08	1-2000000	80
TIB-LP-12-60-100	5.2	10-450	40-60	9-45	0.1-1.2	0.08	1-2000000	100
TIB-LP-12-80-125	6.8	10-350	60-80	11-55	0.1-1.2	0.08	1-2000000	125
TIB-LP-12-120-150	9.8	10-350	80-120	15-90	0.1-1.2	0.08	1-2000000	150
TIB-LP-12-150-150	12.8	10-350	120-150	18.5-160	0.1-1.2	0.08	1-2000000	150
TIB-LP-12-200-200	20	10-300	150-200	122-185	0.1-1.2	0.08	1-2000000	200
TIB-LP-12-300-250	30	10-300	200-300	30-220	0.1-1.2	0.08	1-2000000	250
TIB-LP-12-400-300	40	10-300	300-400	37-250	0.1-1.2	0.08	1-2000000	300



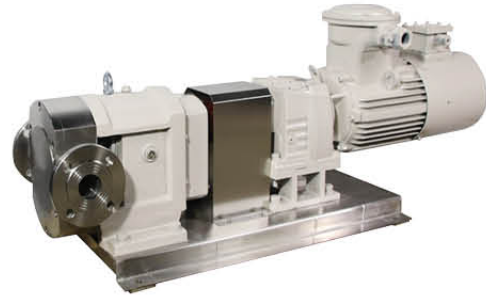
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## TIB Rotary Lobe Pumps Optional



- Ferrule connect universal rotary lobe pump



- Pump with explosion-proof motor



- Flange connect universal rotary lobe pump



- Movable pump



- Heat preservation cooling pump



- Pump with manual speed control



- Pump with frequency inverter control