

Лопастные насосы серии TLS12

Технические характеристики

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Bare Lobe Pump



Name: Lobe pump, rotary lobe pump, rotor pump

Fuel: Gear oil

Brand: DURREX

Structure: Positive-displacement pump

Pressure: Low pressure

Power: Electric

Place of original: Zhejiang China(mainland)

Flow: 0.01-400m³/h

Power: 0.12-250kw

Viscosity: 1-1000000

Pressure(Mpa): 0.1-1.2

Suction Pressure(Mpa): 0.08

Rotation speed(r/min): 10-720

Usage: Liquid

Product Introduce:

DURREX twin-rotor lobe pumps are rotary positive displacement pumps, developed after decades of research and design. The manufacture engineering and accuracy has come up to advanced world level.

The twin-rotor lobe pumps are produced according to the following manufacturer standards: Foodstuffs, chemicals, Regular, Oil-fields and Special-type. The core parts and sealing device of the products are made of different materials and seal methods according to different properties of material and technological processes. There are 12 varieties of DURREX rotors, which can be set interchangeably in the same pumps.

Rotor Introduce:

Single impeller: used to transfer medium with a little large grains because this impeller is not easy to damage grains. The shortage is high impulse, low pressure, small capacity, so seldom using.

Double impeller: used to transfer medium with middle or small grains, with low damage rate and low impulse, the capacity is smaller than tri-impeller.

Tri-impeller: this is commonly type, the capacity and performance is better than other rotors. The shortage is high requirement to medium because its easy to damage grain medium.

Multi-impeller: when impeller quantity beyond three, the capacity will decrease when impeller increase. Multi-impeller has high stability while using, but easy to damage grain medium.

Product fratures:

- *Gap is kept between the rotors and between the rotors and the pump body, no friction, long life.
- *Simple assembling and disassembling, easy to maintenance and clean, strong resistance to wering.
- *High efficiency and energy-saving, low failure rate, reliable sealing and low noise.
- *Special materials are used to pump materials with solid granules, like sludge and sewage.
- *Flange, screw, or clamp connection can be used, as required by the customer.
- *Capble of pumping mixtures of gas, fluid, and solid materials.
- *Heating&cooling pump is of built-in structure, with well heat conductivity.
- *Movable pumps can be used to pump canned medium, with intake vacuum of 0.08Mpa.
- *Hygienic safety valves can be set at the pump head if customer required.

Applications Areas:

Consumer Chemicals:

AES, LAS, AOS, K12, glycerol, sorbitol, fatty alcohol, bathing shapoo, skin cream, shampoo, detergent liquid, toothpaste soap, washing powder slurry, etc.

Refined Chemicals:

Dyestuffs, pigments, all kinds of pulp, chemical additives, adhesives, silicone oil, leather oil, a variety of colloidal materials, etc.

Foods:

Chocolate, concentrated milk, yoghourt, honey, syrup, cane sugar, tomato juice, concentrated juice, jam, ice cream, milk, yeast slurry, meat slurry, jelly, condiment, leess, soybean protein, flour slurry, etc.

Paper Making:

Polyacrylamide, calcium carbonate, starch paste, carboxyl starch paste, rosin, rosin size, paper pulp, filling, dry strength agent, wet strength agent, sizing agent, filter agent, antifoaming agent, spreading, water treatment chemicals, tec.

Chemical Fiber:

Pectic slurry, PVA, vinylon slurry, acrylic slurry, ammonia slurry, polyester slice, terylene, polypropylene fiber, rayon, functional fiber, etc.

Pharmaceuticals:

Ointments, extractum, medine latex, pill paste, syrup, healthcare products, drugs, etc.

Coating:

Paint, dope, printing ink, insulating paint, resin, additives and assistants, organic solvent, etc.

Technical parameters:

Type	Capacity (L/r)	Rotation Speed (r/min)	Flow (M3/h)	Pressure (Mpa)	Power (kw)	Suction Pressure (Mpa)	Viscosity (cp)	Inlet & Outlet DN (mm)
TLS12-0.1B10	0.01	10-720	0.1	0.1-1.2	0.12-1.1	0.08	1-1000000	10
TLS12-0.5B15	0.04	10-720	0.5	0.1-1.2	0.25-1.5	0.08	1-1000000	15
TLS12-2B25	0.15	10-720	2	0.1-1.2	0.25-2.2	0.08	1-1000000	25
TLS12-5B40	0.32	10-500	5	0.1-1.2	0.37-3	0.08	1-1000000	40
TLS12-10B50	0.65	10-500	10	0.1-1.2	1.5-7.5	0.08	1-1000000	50

Type	Capacity (L/r)	Rotation Speed (r/min)	Flow (M3/h)	Pressure (Mpa)	Power (kw)	Suction Pressure (Mpa)	Viscosity (cp)	Inlet & Outlet DN (mm)
TLS12-15B65	1.1	10-500	15	0.1-1.2	2.2-11	0.08	1- 1000000	65
TLS12-B20B65	1.74	10-500	20	0.1-1.2	2.2-15	0.08	1- 1000000	65
TLS12-30B80	2.6	10-500	30	0.1-1.2	3-22	0.08	1- 1000000	80
TLS12-40B80	3.65	10-500	40	0.1-1.2	4-30	0.08	1- 1000000	100
TLS12-60B100	5.2	10-500	60	0.1-1.2	5.5-45	0.08	1- 1000000	125
TLS12-80B125	6.8	10-500	80	0.1-1.2	7.5-55	0.08	1- 1000000	125
TLS12- 120B1520	9.8	10-400	120	0.1-1.2	11-90	0.08	1- 1000000	150
TLS12- 150B150	12.8	10-400	150	0.1-1.2	15- 160	0.08	1- 1000000	150
TLS12- 200B200	20	10-300	200	0.1-1.2	18.5- 185	0.08	1- 1000000	200
TLS12- 300B250	30	10-300	300	0.1-1.2	22- 220	0.08	1- 1000000	250
TLS12- 400B300	40	10-300	400	0.1-1.2	30- 250	0.08	1- 1000000	300

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