

Microtubule Jet High Shear Mixer

Description

FD30 microtubule jet high shear mixer adopts FLUKO unique multi-layer stator & rotor structure, equipped with 18000rpm high-speed motor, the highest working temperature to 250°C, the highest working pressure to 20bar, contact material can be made of stainless steel 304, 316L, hastelloy or special material, providing reliable inline fine mixing for a variety of reactions, catalysis, process strengthening, new materials research and process research.



FD30

Microtubule Jet High Shear Mixer



Order #	300001
Model	FD30
Power supply	220V/50Hz
Motor power	1.5 kW
Motor type	Frequency conversion high speed motor
Speed control	Frequency control
Displayed parameters	Rotation speed/electric current
Rotation speed range	12000~18000 rpm
Flow rate (H ₂ O)	~3.3 L/min
Max viscosity	1000 cP
Working temperature range	0-250 °C
Working pressure range	-0.098~2.0 MPa
Max linear velocity	21.6 m/s
Agitator	Multi-layer design
Type of seal	Combined type mechanical seal
Type of mechanical seal cooling	Circulating coolant(by customer)
Contact part metal material	Stainless steel, Hastelloy or other material
Contact part non-metal material	FFKM
Other metal material	SS304
Material of protection cover	C.S coated
Material of static ring and dynamic ring	Silicon carbide
Working chamber	Chamber with jacket
Inlet/outlet	Rc3/8" clamp (OD φ12)
Jacket inlet/outlet	Rc3/8" clamp (OD φ12)
Mechanical seal coolant inlet/outlet	φ8 quick connector
Mechanical seal leakage observation port	φ8 quick connector

Biology
Pharmacy

Food

Daily Care

Chemical
Industry

New
Material



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