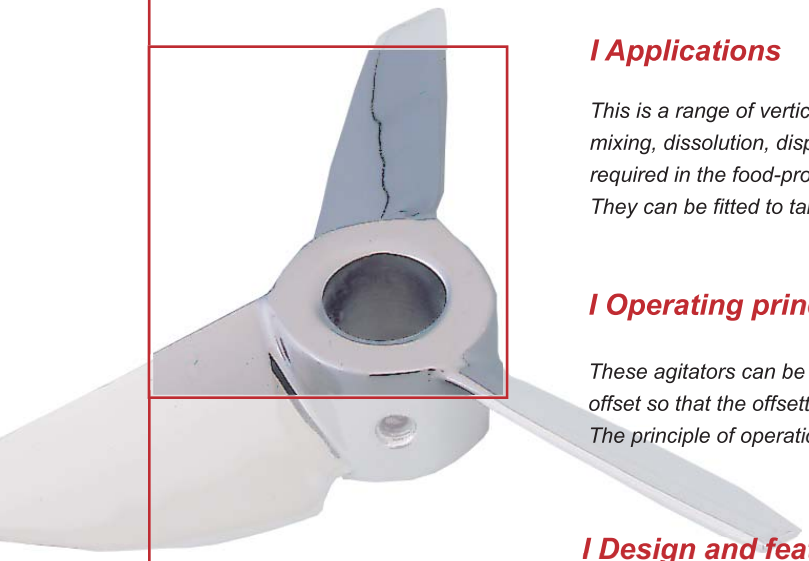


I Applications

This is a range of vertical, direct motor-driven agitators. They can be used in processes of mixing, dissolution, dispersion, and maintenance whenever strong, high-speed stirring is required in the food-processing, cosmetics, pharmaceutical or chemical industries.
They can be fitted to tanks of up to 1,500 liters, typically with low-viscosity products.

I Operating principles

These agitators can be installed inside the tank either centrally with current deflectors, or offset so that the offsetting itself prevents the rotation of the stirred material.
The principle of operation depends on the type of propeller used.

I Design and features

Vertical agitators
Packing through V-ring and retainer
Bearing support
Propeller attached to shaft and shaft attached to half-shaft by Allen setbolts.
Standard electropolished surface finishing
IEC B14 engine, 1500 RPM, IP 55, F-class insulation
Max. power 0.75 kW
Lyneflux propeller

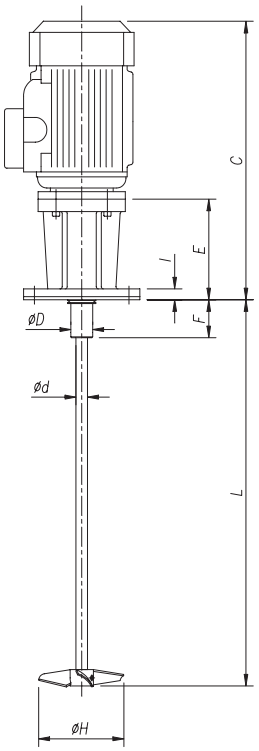
I Materials

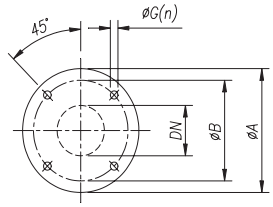
Parts in contact with pumped media:	*AISI 316L*
V-ring and retainer	*NBR*
Bearing support	*Aluminum*

I Options

Serrated turbine
Sealing through double/cooled mechanical seal
V-ring and retainer in FPM
One-piece shaft
Welded propeller and Ra<0.4 surface finishing
Motor shroud
Motors with additional protection
950 rpm and 750 rpm motors
Gearbox drive or speed-selector drive
Pneumatic drive
Shafts lined with plastic material for use with corrosive materials

SOURCE OF SOLUTIONS





Agitator base

Agitator type		BCI 1.18-4007-1-100	BCI 1.18-4007-1-130	BCI 1.18-4007-1-150	BCI 1.18-6005-1-130	BCI 1.18-6005-1-150
Motor Power	[Kw]	0,75			0,55	
Speed	[r/min]	1415			940	
Capacity [H_2O]	[m^3]	0,1 0,6	0,2 0,8	0,4 1,5	0,1 0,7	0,15 1
Dimensions	A	160				
	B	130				
	C	360				
	D	30				
	E	130				
	F	50				
	G	10,5 (4)				
	I	14				
	DN	65				
Agitator shaft	∅ d	16				
	L máx.	1250				
Type 18 Lineflux	∅ H	100	130	150	130	150
Weight	[Kg]	16,5	16,5	16,5	17	17

FTBCI.1.EN-0504