VR SERIES PROPELLER MIXERS

P19-VR-FT-001

Product data sheet · Mixers

VR series slow-speed propeller mixers, with three-phase 400 V, 50 Hz motor and gearbox, and shaft with coupling from 800 to 3,000 mm (up to 5,000 mm on request). Bare or PVC-coated shaft.



Technical data

Motor	Three-phase 400 V, 50 Hz
Power	0.37 to 2.2 kW (models VR-037 to VR-220); up to 15 kW rated power in the range
Rotation speed	56 to 210 rpm
Drive	Motor with gearbox
Shaft	AISI 304 or 316 stainless steel, with coupling; PVC coating as an option
Shaft length	800 to 3,000 mm as standard, up to 5,000 mm on request
Coupling flanges	To UNI or ANSI, on request

Description

VR series propeller mixers mix solutions of medium density and viscosity, in water treatment and in the chemical industry, in medium to large tanks.

They are slow-speed mixers: the motor drives the shaft through a gearbox. The shaft, made of AISI 304 or 316 stainless steel, is connected to the gearbox by a coupling. Coupling flanges to UNI or ANSI are available on request.

For shafts of 1,500 mm or less, see also the HR series.



VR series mixer propeller

Models and codes

Code	PVC-coated shaft code	Power (kW)	Rotation speed (rpm)
VR-037-210-80	VR-037-210-80-PVC	0.37	210
VR-055-140-100	VR-055-140-100-PVC	0.55	140
VR-075-90-100	VR-075-90-100-PVC	0.75	90
VR-110-90-150	VR-110-90-150-PVC	1.1	90
VR-150-90-150	VR-150-90-150-PVC	1.5	90

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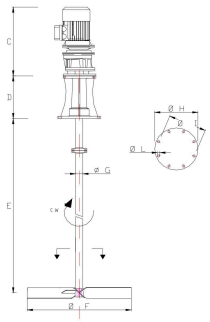
Code	PVC-coated shaft code	Power (kW)	Rotation speed (rpm)
VR-150-90-200	VR-150-90-200-PVC	1.5	90
VR-220-90-200	VR-220-90-200-PVC	2.2	90
VR-220-70-250	VR-220-70-250-PVC	2.2	70
VR-300-56-300	VR-300-56-300-PVC		56

Dimensions



Dimensions C, D, E, F, G, H, I and L

Dimensions and weights

Code	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	L (mm)	Weight (kg)
VR-037-210-80	340	120	800	300	25	160	130	4 × 14	24
VR-055-140-100	380	160	1000	400	30	210	170	4 × 18	35
VR-075-90-100	430	200	1500	500	35	265	225	8 × 18	48
VR-110-90-150	540	200	1500	550	35	265	225	8 × 18	52
VR-150-90-150	540	200	1500	600	35	265	225	8 × 18	60
VR-150-90-200	580	200	2000	650	40	265	225	8 × 18	75
VR-220-90-200	620	300	2000	750	45	320	280	8 × 18	90
VR-220-70-250	620	300	2500	800	50	320	280	8 × 18	120
VR-300-56-300	720	400	3000	1000	60	395	350	8 × 22	190

Special manufacture

On request:

- shaft length E can be up to 5,000 mm;
- the shape and type of propeller (turbine or special profile) are adapted to the application, according to the viscosity and density of the product.

Related documents : P19-HR-FT-001, P19-AQAG-FT-001

Product codes : VR-037-210-80, VR-055-140-100, VR-075-90-100, VR-110-90-150, VR-150-90-150, VR-150-90-200, VR-220-90-200, VR-220-70-250, VR-300-56-300, VR-037-210-80-PVC, VR-055-140-100-PVC, VR-075-90-100-PVC, VR-110-90-150-PVC, VR-150-90-150-PVC, VR-150-90-200-PVC, VR-220-90-200-PVC, VR-220-70-250-PVC, VR-300-56-300-PVC