



Agitator - FAG Series

Agitators are used for effective mixing, avoiding deposits and to generate high flow and it can be used without difficulty in all kinds of tank geometries.

Operating parameters

Maximum Liquid Temperature	upto 40°C
Service	S1 Duty
Impeller Type	Vortex Impeller
Application Field	upto 10m
No. of Starts / Per Hour	20
Max. immersion depth	20m
pH range	6 to 12
Liquid Viscosity	1 mm ² /s
Liquid Density	1kg/dm ³
Max. Noise level	≤ 70dB

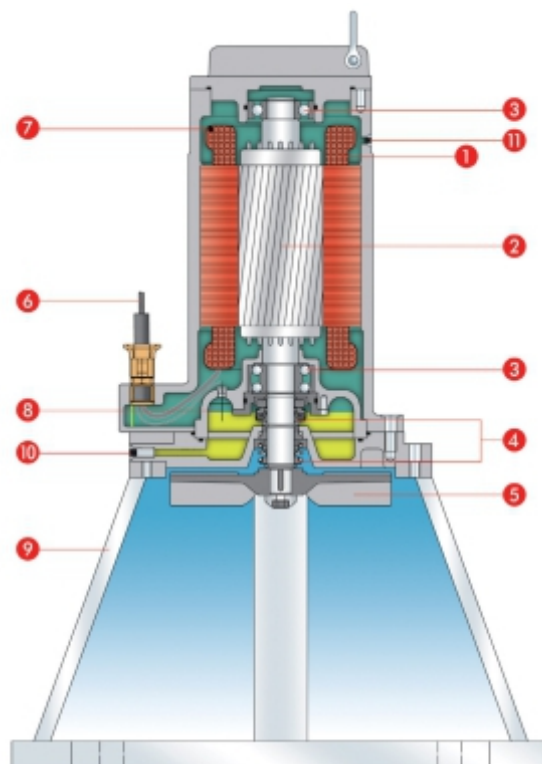
Specifications

Power Range	1.1 to 22kW
Power Supply	380-415V - Three Phase, 50Hz, AC.
Ingress Protection	IP68
Motor	Dry Type Induction motor
Speed	1450 / 2850 rpm
Class of Insulation	H
Moisture sensor	# Available
Thermal Overload Protector	* Available
Starting Method	Three Phase - DOL & SD
Shaft Seal	Double Mechanical seal
Mechanical Seal Face Combination	Motor Side : Graphite / Alumina Pump Side : Silicon Carbide / Silicon Carbide Silicon Carbide / Silicon Carbide
Bearing Type	Shielded prelubricated bearing
Cable Type	HO7RNF
Standard Cable Length	10m

Material of Construction

Stand	Fabricated mild steel
Impeller	Cast iron EN-GJL-260
Motor Housing	Cast iron EN-GJL-260
Shaft	Stainless Steel X30 Cr13 (AISI 420)
Fasteners	Stainless Steel A2 (AISI 304)

Cross Sectional Drawing

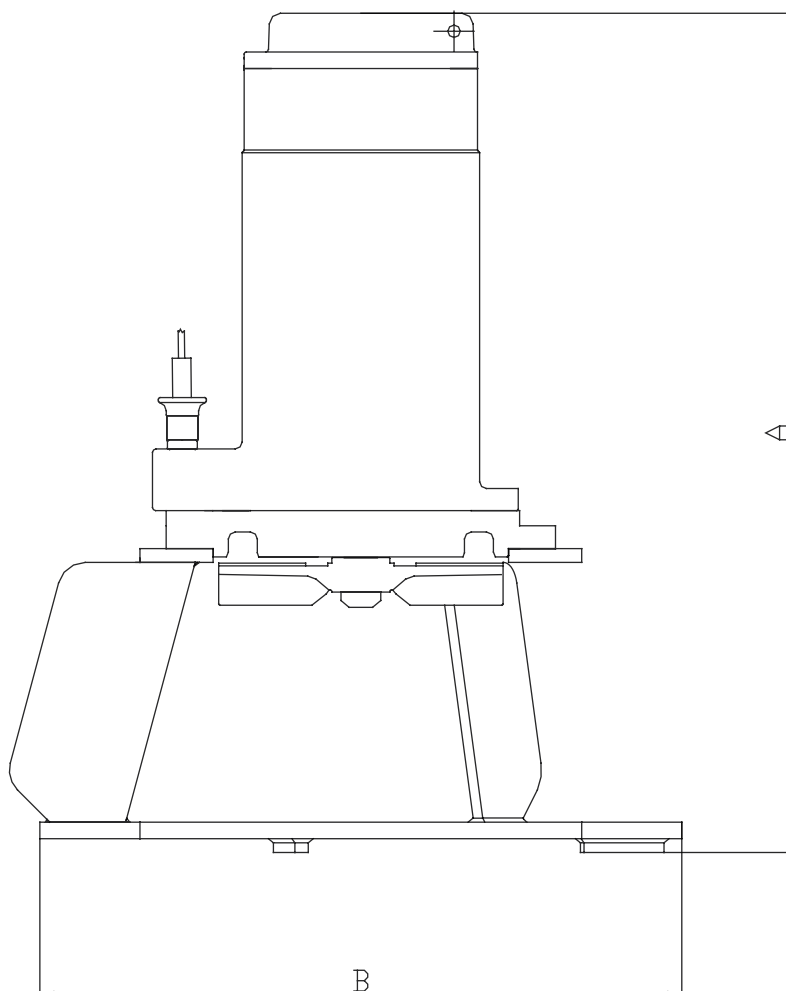


- | | |
|--|--|
| 1. Fully submersible pressure tight electric motor | 7. Thermal over load protector |
| 2. Rotor Shaft | 8. Oil chamber probe |
| 3. Bearing | 9. Foot ring |
| 4. Mechanical seal | 10. Oil inspection plug |
| 5. Vortex impeller | 11. Hole for the motor water tightness control |
| 6. Cable | |

PRODUCTS IDENTIFICATION CODE

F	AG	08	-	2	/	95	(m)	(s)
• FIPS PRODUCTION	• SERIES NAME (AGITATOR)	• P2 MOTOR NOMINAL POWER		• NO. OF POLES (MOTOR SPEED)		• IMPELLER DIAMETER	SINGLE-PHASE	• SINGLE PHASE MODEL WITH EXTERNAL CAPACITOR (SUPPLIED WITH CONTROL BOX)

* The above diagram is only for illustration purpose the actual construction of the product may vary according to the model.



PERFORMANCE, DIMENSION & WEIGHT DATA											
No	Model - Type	P1 kW	P2 kW	Volt	Amp	μF	rpm	Application Field (m)	A mm	B mm	Weight (kg)
1	FAG 08-2/95	0,9	0,8	400	2,1		2850	1,5	325	300	23
2	FAG 08-4/132ms	1	0,8	400	4		1450	1	375	300	27
3	FAG 11-2/105	1,4	1,1	400	3,2		2850	2	325	300	18
4	FAG 11-4/162	1,5	1,1	400	2,5		1450	2	406	300	28
5	FAG 15-4/115	2,1	1,5	400	3,6		1450	3	406	465	47
6	FAG 35-4/136	4,5	3,5	400	7,7		1450	5	560	500	85
7	FAG 110-4/165	12,5	11	400	18		1450	9	800	510	141
8	FAG 220-4/202	26,2	22	400	46		1450	13	900	850	250

* Inbuilt with TOP / # Moisture sensor available

Performance curve tolerances are as per HI : 14.6 / ISO : 9906, Grade - 2B.

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.