

Datasheet

This product datasheet has been provided by
John Godrich in Partnership with SalvisLab



Pneumatic stirrer PMG

The pneumatic stirrer PML is preferred for aquaous media.

Stirrer design

FLUKO pneumatic stirres are designed for areas where non-electrical equipment is desired. The stirres are compact and in most cases lighter than the corresponding electric equivalent.

The stirres consists of:

- Compressed air motor
- Bearing housing
- Stirrer shaft
- Stirring device

Drives

The PMG uses an air motor with a reduction gearbox.

FLUKO pneumatic stirrers are available in 3 sizes from 0.4 to 2.0 kW at the nominal speeds. The speed is continously adjustable by throttling the air. Pneumatic stirrers can be configured for use in explosion-risk areas.

Configuration

- Pneumatic stirrer with flange mounted reduction gears.
- The stirrer shaft is fixed with a timble coupling.
- 2,4 and 6 with double shaft mounting.
- 2K and 4K with single shaft mounting.
- ATEX configuration: II 2GcT4

Stirrer devices

Standard—replaceable 3 blade propeller with threaded or friction screw connection.

Alternative—dispersing disc, or 3 or 4 blade hinged propeller for use with drums. Stirring devices in AISI 316Ti stainless steel.

Materials

Stirring shaft and stirring device in AISI 316Ti stainless steel.



Pneumatic stirrer PMG with propeller



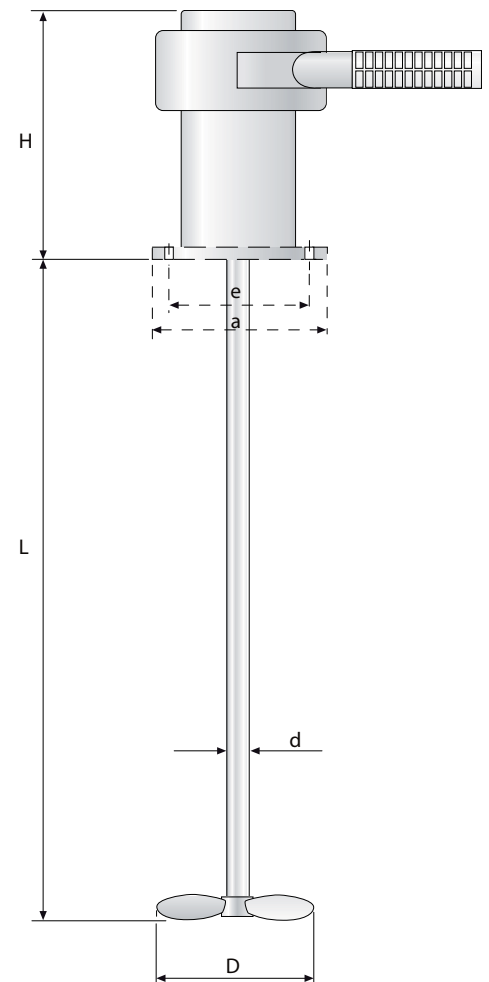
dispersing disc

PMG	Type		Power			Dimensions in mm		
	Power kW	Pressure _{max} bar	r.p.m. from * to	Air feed approx. l/min*	L max	H	d	Weight approx. kg
1,1	0,25	7	40 800	900	1000	140	20	5,5
1,2	0,25	7	15 335	900	1000	160	20	6
2,1	0,5	7	35 700	900	1400	150	25	9,5
2,2	0,5	7	15 290	900	1400	200	25	12
4,1	1,5	7	40 800	1400	1600	200	30	13
4,2	1,5	7	15 325	1400	1600	220	30	13,5

* at maximum speed

Stirrer clamps

- PMLF with container thread for 2" bunghole containers
- PMLC with container lid for refillable containers
- PMLK with clamp for open containers
- PMLE with mounting flange as stationary stirrer
 - a = 120 mm; e = 105 mm; 4 x Ø 7 mm
 - a = 160 mm; e = 130 mm; 4 x Ø 9 mm



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