

Pneumatic stirrer PML

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 PML stirrer uses an air motor.

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 bearing housing and seperate mounting of the stirring shaft.
- 2,4 and 6 with double shaft mounting.
- 2K and 4K with single shaft mounting.
- ATEX configuration: II 2GcT4

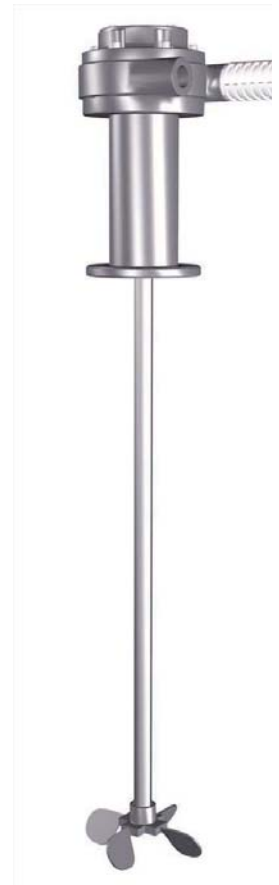
Stirrer devices

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 PML with 4 blade folding propeller



dispersing disc

PML	Type		Power			Dimensions in mm				Weight approx. kg
	Power kW	Pressure _{max} bar	r.p.m. from · to	Air feed approx. l/min*	L max	H	d	D		
2K	0,5	7	500 2500	900	800	172	20	100	7	
2	0,5	7	500 2500	900	1200	286	25	125	8	
4K	0,5	7	300 2000	1400	800	180	20	150	8	
4	1,0	7	300 2000	1400	1400	303	30	175	9	
6	2,0	7	300 2000	2400	1600	349	35	200	19	

* at maximum speed

Stirrer clamps

- PMLF with container thread for 2" bung-hole 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

