

SIGNAL S600 VT1000 SERIES MIXERS

by Milton Roy

TYPE VT1000

- Closed tanks from 0.5 to 2 m³
- Sealing system
- Pressure from 0 to 5 barg
- Temperature up to 120°C

General Characteristics

- Direct drive motor or speed reducer drive
- Lantern with radial bearing
- Flange connection to the vessel ND 150 NP 10
- Lower shaft fitted with impeller adjustable in position
- Power from 0.37 to 1.5 kW
- High rotation speed (1500 rpm) and slow speed (160 or 260 rpm)

Capacities

- From 0.5 to approx. 2 m³

Operating conditions

- Pressure from vacuum 0 to 5 bar g.
(depending on seal device)
- Temperature : up to 120°C

Main applications

- Chemicals
- End-products manufacturing
- Homogenization
- Dissolving
- Solid suspension
- Storage

Construction materials

- Stainless steel 316L
- Painting PU : RAL 1018 (on drive system)
(please consult for any other material)

Electrical characteristics

- 230/400 volt three-phase
- 50 Hz
- IP 55
(please consult us for any other voltage and frequency)

Options (depending on mixer type)

- Special motors
- ExP or ATEX motors
- Variable speed
- additional impeller

Robust construction

- Low maintenance conception
- Guiding bearing
- Possible rotation during discharge

Operational limits

- Maximum viscosity of 500 mPas
- Density < = 1.2
- Not recommended for gaz dispersion



SIGNAL S600 VT1000 SERIES MIXERS by Milton

Closed tanks from 0.5 to 2 m³ – Sealing system – Pressure from -1 to 6 barg – Temperature up to 120°C

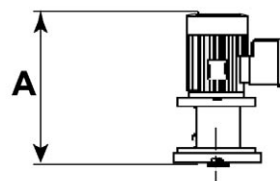
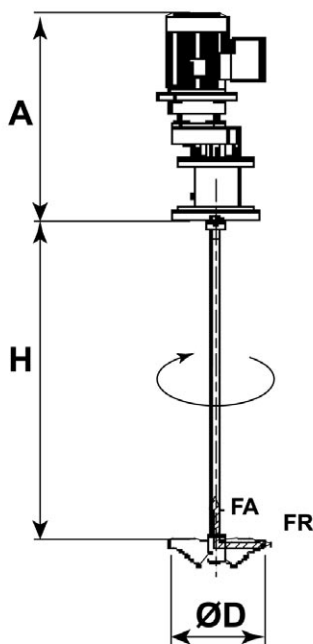
VT1000 AGITATORS TECHNICAL CHARACTERISTICS

VT1000 type		1201	1301	1302	1401	1141	1161	1202
Impeller type		sabre	sabre	sabre	sabre	marine	marine	marine
Impeller diameter D	mm	200	300		400	140	160	200
Mini opening for impel. introduction	mm	205	310		410	145	165	205
Rotation speed	rpm	249	158	252	160	1400		
Drive		gear reducer				direct drive		
Rated power	kW	0.37		0.75		0.75	1.5	
Maxi shaft length H	mm	1400	1500	1300	1500	900 à 1500		
Pumping flow rate	m ³ /h	126	274	435	660	119	180	350
Total weight	kg	50	50	55	55	40	45	45
Radial load FR	N	8	16	41	52	30	52	127
Axial load FA	N	2	5	13	16	5	9	21
Drive height A	mm	581		600		412	457	
Mini impeller immersion	mm	discharge during rotation allowed				300	400	600

Characteristics for information only

OPERATING CONDITIONS

VT1000	1201-1301-1302-14501		1141-1161-1202		Seal Device
	Temp	Pressure	Temp	Pressure	
	°C	Barg	°C	Barg	
VTV	120	atm	120	atm	lip seal
VTP	80	4	80	2	single mechanical seal with PVC lubrication pot
VTS	70	4			single mechanical seal dry running
VTC	120	0 to 10	120	2	single mechanical seal with continuous flushing



Direct drive VT1000



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Please consult us for further information.

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