

Mixers

- PCM Drum & small vessel Mixers
- PVM Mobile vessel Mixers
- PSM Stationary Mixers

Drum & small vessel Mixers

PCM

The PCM Drum & small vessel Mixers are used for liquids mixing in mobile vessels, IBC containers and drums. The Mixer is attached by a clamping arm to the vessel's edge or lid in the case of drums and IBC containers.

OPERATION:

Electric and pneumatic motors are used in the PCM Mixers.

The motor is positioned in a shaft rotation axis in order to directly transfer motor torque.

All parts in contact with the product are made of stainless steel.

A special assembly system ensures the easy use of mixers in all conditions (drum, IBC container, vessel).

Different agitators may be used with the mixer.

APPLICATION:

The PCM Container Mixers can be used in the process of:

- varnish production,
- low viscosity product tinting,
- liquids mixing,
- prevention from solid materials sedimentation - e.g. while storing coloring pastes in drums.



Small dimensions and easy assembly make the mobile Mixer easy to use anywhere.



TECHNICAL SPECIFICATIONS:

model	main motor power (kW)	main motor power (HP)	drive type	vessel type/working capacity (ltrs)	mixer diameter (rpm)	mixer rotation (rpm)	diameter x height (mm)	total weight (kg)
PCM-D/0,5/P	0.5	0,7	pneumatic	Drum / 200	250	0÷400	Ø250 x 960	28
PCM-IBC/1,35/E	1.35	1,8	electric	IBC-type containers / 1000	up to 500	147	Ø500 x 1300	38
PCM-IBC/2,5/P	2.5	3,4	pneumatic	IBC-type containers / 1000	up to 500	0÷420	Ø500 x 1400	70
PCM-T/1,1/E	1.1	1,5	electric	Tub / 100÷1500	155	925	Ø290 x 1180	44

OPTIONS:

- electric/pneumatic motor,
- exchangeable agitators,
- CE and ROSSTEST certificates,
- machine can be adapted for the EX explosive environment operation (European ATEX certificate and Russian GOZGORTECHNADZOR certificate).

Mobile vessel Mixers

PVM

The PVM Mobile vessel Mixers are used for liquids and dispersions media mixing in mobile vessels. They are particularly used in coating tinting processes.

OPERATION:

The PVM vessel Mixer consists of a slideway, extension arm and mixer drive unit.

The Mixer's rotor can be lifted up and down together with the drive unit attached to the extension arm. The transmission between motor and mixing shaft is made by a v-belt drive. Speed is regulated by means of a frequency inverter.

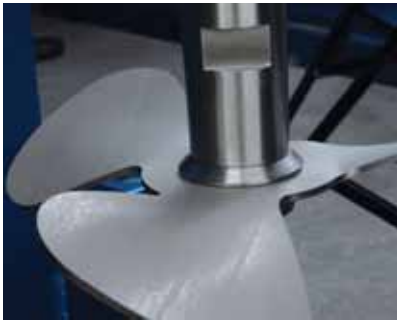
Mixer lifting and lowering are facilitated by a hydraulic or pneumatic cylinder. Hydraulic cylinder can be operated either by a manual pump or by an electric aggregate.

In standard execution, machine is offered as a wall mounted construction, free standing version is optional.

APPLICATION:

The PVM mobile vessel Mixer can be used in the process of:

- varnish production,
- product tinting,
- liquid mixing,
- prevention from solid material sedimentation - i.e. while storing coloring pastes in drums.



PVM Mixer has very stable and solid construction. It can be used as a free standing or wall mounted machine.

TECHNICAL SPECIFICATIONS:

model	main motor power (kW)	main motor power (HP)	vessel working capacity (ltrs)	mixer rotation (rpm)	mixer diameter (mm)	L x W x H (Hmax) (mm)	total weight (kg)
PVM-1,5F	1.5	2,0	100÷1500	0÷1400	170	880x620x3100x (3200)	370
PVM-2,2F	2.2	3,0	100÷1500	0÷1400	170	880x620x3100x (3200)	380
PVM-3,0F	3.0	4,0	100÷1500	0÷1400	200	880x620x3100x (3200)	400
PVM-4,0F	4.0	5,4	100÷1500	0÷1400	200	880x620x3100x (3200)	420
PVM-5,5F	5.5	7,4	100÷1500	0÷1400	250	880x620x3100x (3200)	480
PVM-7,5F	7.5	10,1	100÷1500	0÷1400	250	880x620x3100x (3200)	500

OPTIONS:

- pneumatic PVM/P or hydraulic lifting PVM/H,
- exchangeable agitators,
- compact fixing (mini coloring stations),
- shaft with quick coupling,
- clamping arms or belts for tub securing,
- CE and ROSSTEST certificates,
- machine can be adapted for the EX explosive environment operation (European ATEX certificate and Russian GOZGORTECHNADZOR certificate).

Stationary Mixers

PSM

The PSM Stationary Mixers are used for liquid and dispersed products mixing in stationary vessels.

They are particularly used as holding, finishing and tinting tanks.

OPERATION:

The mixer is equipped with one or two independently driven agitators: usually propellers and anchor agitators.

The agitators are driven by electric motors and torque is generally transferred by gear transmission. Rotational speed adjustment is carried out by an inverter.

The shafts are positioned in bearing columns or connected with reinforced gearboxes (for smaller machines).

All parts in contact with the product are made of stainless steel.

APPLICATION:

The PSM Stationary Mixers can be used for:

- liquid products mixing,
- finishing,
- holding,
- tinting.



These Mixers come in a range of sizes from 1000 l to 35000 l.

TECHNICAL SPECIFICATIONS:

Mixers with single drive. (designed for the storage of products)

model	working capacity (m ³)	motors power (kW)	motors power (HP)	standard mixing tools	revolutions (rpm)	diameter x height (mm)	total weight (kg)
PSM-1000/1,1-120	1.0	1.1	1,5	1x propeller	120	Ø1200x1900	290
PSM-1000/1,5-125	1.0	1.5	2,0	1x propeller + 1xbottom mixer	125	Ø1200x2000	370
PSM-2000/2,2-108	2.0	2.2	3,0	2x propellers + 1xbottom mixer	108	Ø1400x2500	490
PSM-4000/5,5-48	4.0	5.5	7,4	2x propellers + 1xbottom mixer	48	Ø1800x3120	1500
PSM-6000/7,5-34	6.0	7.5	10,1	2x propellers + 1xbottom mixer	34	Ø2000x4500	1600
PSM-10000/11-27	10.0	11	14,8	2x propellers + 1xbottom mixer	27	Ø2000x4800	2100
PSM-35000/30-26	35.0	30	40,2	2x propellers + 1xbottom mixer	26	Ø3234x6500	5000

Finishing/Tinting and Special mixers. (for the equalisation and tinting of products)

model	working capacity (m ³)	motors power (kW)	motors power (HP)	standard mixing tools	revolutions (rpm)	diameter x height (mm)	total weight (kg)
PSM-1000/4,0F-120	1.0	4	5,4	1x alpha propeller	0÷120	Ø1200x2000	290
PSM-2000/5,5-60	2.0	5.5	7,4	1x propeller+1xbottom mixer	60	Ø1400x2500	1000
PSM-3000/7,5F-180	3.0	7.5	10,1	2x propeller	0÷180	Ø1800x2800	1440
PSM-3200/18,5F-30	3.2	18.5	24,8	2x alpha propellers+1xbottom mixer	0÷30	Ø1800x3500	1160
PSM-3200/11-135	3.2	11	14,8	2x propellers	135	Ø1800x3500	1100
PSM-4000/7,5-150	4.0	7.5	10,1	2x propellers	150	Ø1800x2800	1440
PSM-4000/15-48	4.0	15	20,1	2x propellers+1xbottom mixer	48	Ø1800x3100	1650
PSM-4000/18,5-38	4.0	18.5	24,8	Ribbon+1xbottom mixer	38	Ø1800x3470	1810
PSM-5000/5,5F-100	5.0	5.5	7,4	3x propeller	0÷100	Ø1800x3000	1420
PSM-5000/17,5(13,5) 192(92)	5.0	13.5/17.5	17,7/23,5	2x propellers	92/192	Ø2000x4900	2000
PSM-5000/22-30	5.0	22	29,5	2xalpha propellers+1xbottom mixer	30	Ø2000x3350	1330
PSM-6000/11F-96	6.0	11	14,8	1x propeller+ 1x anchor	0÷96	Ø2000x3250	1730
PSM-6000/15F-80	6.0	15	20,1	2x propellers+1xbottom mixer	0÷80	Ø2000x3250	1790
PSM-6000/22F-13	6.0	22	29,5	2xalpha propellers+bottom mixer	0÷13	Ø1800x4600	1900
PSM-6000/22F-54	6.0	22	29,5	2xalpha propellers+bottom mixer	0÷54	Ø2000x4600	1900
PSM-6300/15-118	6.3	15	20,1	2x propellers	118	Ø2000x4900	2080
PSM-10000/37F-44	10.0	37	49,6	2x alpha propellers+ 1x Bottom mixer	0÷44	Ø2400x5500	2300
PSM-20000/22F-200	20.0	22	29,5	3x propellers	0÷200	Ø2800x6480	2800

Mixers with two drives. Tinting mixers

model	working capacity (m ³)	motors power (kW)	motors power (HP)	standard mixing tools	revolutions (rpm)	diameter x height (mm)	total weight (kg)
PSM-2000/15F-500/3-11	2.0	15 and 3	20,1 and 4,0	dispersing disc/ anchor scraper	0÷500 / 11	Ø1200x3400	1800
PSM-6300/22F-500/4-10	6.3	22 and 4	29,5 and 5,4	dispersing disc/ anchor scraper	0÷500 / 10	Ø2000x4730	2890
PSM-10000/18.5-140/11-25	10.0	18.5 and 11	24,8 and 14,8	2x propellers / anchor scraper	140 / 25	Ø2200x4800	3440

OPTIONS:

- individual designs, different powers,
- polished or mirror finished vessels made of stainless steel (mirror-finished interior)
- vessels equipped with cooling jacket, D-tubes, pressure and non-pressure systems,
- equipped with weighing systems,
- equipped with cleaning systems,
- CE and ROSSTEST certificates,
- machine can be adapted for the EX explosive environment operation (European ATEX certificate and Russian GOZGORTECHNADZOR certificate).