

Single-Shaft Mixer BWM, Twin-Shaft Mixer MAH

Field of application

- Mixers of the construction series MAH and BWM are discontinuous mixers.
- They are used as individual machines or as batch mixers within a plant.
- Liquid addition is possible to a certain limit.

Possible applications

- Homogenizing of different raw materials
- Storage of non-free-flowing products (prebin)

The batch mixers of the construction series MAH and BWM can mix several solid matters (individual components) to a homogeneous mixture.

Design criteria

The contents of the batch mixer is indicated in litres of useful contents, e.g. 1,000 l contents in kg
 = useful contents x bulk density
 e.g. 1,000 l x 0.5 t/m³
 = 500 kg

Filling degree

- Minimum 20 %
- Maximum 110 %
- The useful contents of a mixer is abt. 70 - 80 % of the gross contents.



Single-shaft mixer BWM



Twin-shaft mixer MAH



Bulk density of the individual components:

Compound feed:	0.35 - 0.7 t/m ³
Minerals:	0.6 - 0.9 t/m ³
Individual components:	0.1 - 0.9 t/m ³
Particle size of the components:	100 µm - 4 mm ground

KAHL Batch Mixers

Single-shaft mixer BWM

Twin-shaft mixer MAH

Construction sizes:	BWM 100, 200, 500, 1000, 2000, 3000, 4000, 6000, 8000	Construction sizes:	MAH 500, 1000, 2000, 3000, 4000, 5000, 6000, 8000
Mixing tools:	adjustable mixing paddles arranged on a shaft	Mixing tools:	2 mixing spirals made of flat steel thread
Case:	mixing drum	Case:	U-shaped trough adapted to the mixing spirals which lie side by side
Material:	St 37-2, product-contacting parts in 1.4301 design possible	Material:	product-contacting parts made of St 37-2, stainless steel 1.4301 possible
Bearings:	exterior pillow blocks	Cover:	screwed cover with braces
Outlet:	electropneumatically operated bottom flap over the complete mixer length	Bearings:	2 exterior pillow blocks per mixing shaft
Drive:	slip-on geared motor	Drive:	1 slip-on geared motor per mixing shaft
	Connections		Connections
Inlet:	150 - 600 mm round	Inlet:	selectable according to requirement
		Outlet:	2 openings closed by electropneumatically actuated flat slides
Ventilation:	ventilation socket depending on mixer size 100 - 400 mm	Ventilation:	ventilation socket depending on mixer size 200 - 400 mm Ø
Inspection openings:	in the mixing drum and in the outlet case, protected by limit switches	Inspection opening:	in the cover, abt. 400 x 500 mm, protected by limit switch
Compressed air:	installed ready for connection, incl. maintenance unit	Compressed air:	installed ready for connection, incl. maintenance unit
Options:	crusher, liquid nozzles	Options:	liquid nozzles



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