

Paddle mixer

For mixing of powders and crumbles



Paddle mixer

Type HPB



The mixing element consists of a shaft with radially adjustable paddles to ensure maximum mixing accuracy. Scrapers for cleaning of inside gables are also adjustable.

The mixing element runs in roller bearings in detachable end gables. Double mounted sealing rings with grease chambers prevent material from escaping.

A discharge gate, which is self-barring in the closed position and has an exchangeable rubber seal, is installed along the entire length of the mixer trough.

Capacities

- Mixer content: 500-8,000 liters
- Batch sizes: 40-100%
- Batch frequency: 10-12 per hour
- Mixing time: 3-4 minutes (dry mixing)
- Mixer rotation: approx. 29 r.p.m.

Liquid addition

The mixer is supplied with equipment for addition of up to three liquid ingredients.

- Max. 2% molasses
- Max. 8% fat

Safety

Inspection and cleaning doors are supplied with safety locks to prevent the doors from opening when the mixing element is rotating.

Drive

The drive consists of a gear motor with hollow shaft.

Application

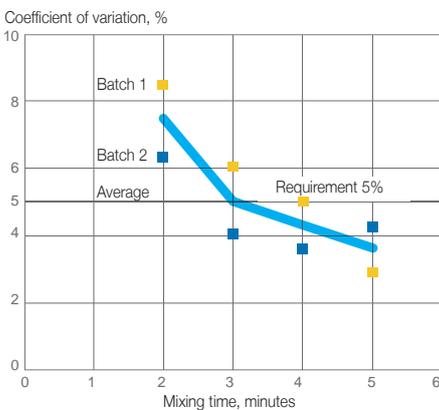
The ANDRITZ paddle mixer is a batch mixer for mixing of powders and crumbles. Several types of liquid ingredients can be added during mixing.

Advantages

- Mixing time 3-4 minutes per batch in dry mixing
- Optional batch size 40-100%
- Trough with large self-cleaning effect
- Efficient emptying
- Large inspection and cleaning doors
- Addition of up to three liquid ingredients
- Modular mixer arrangement with pre-bin and surge bin

Design

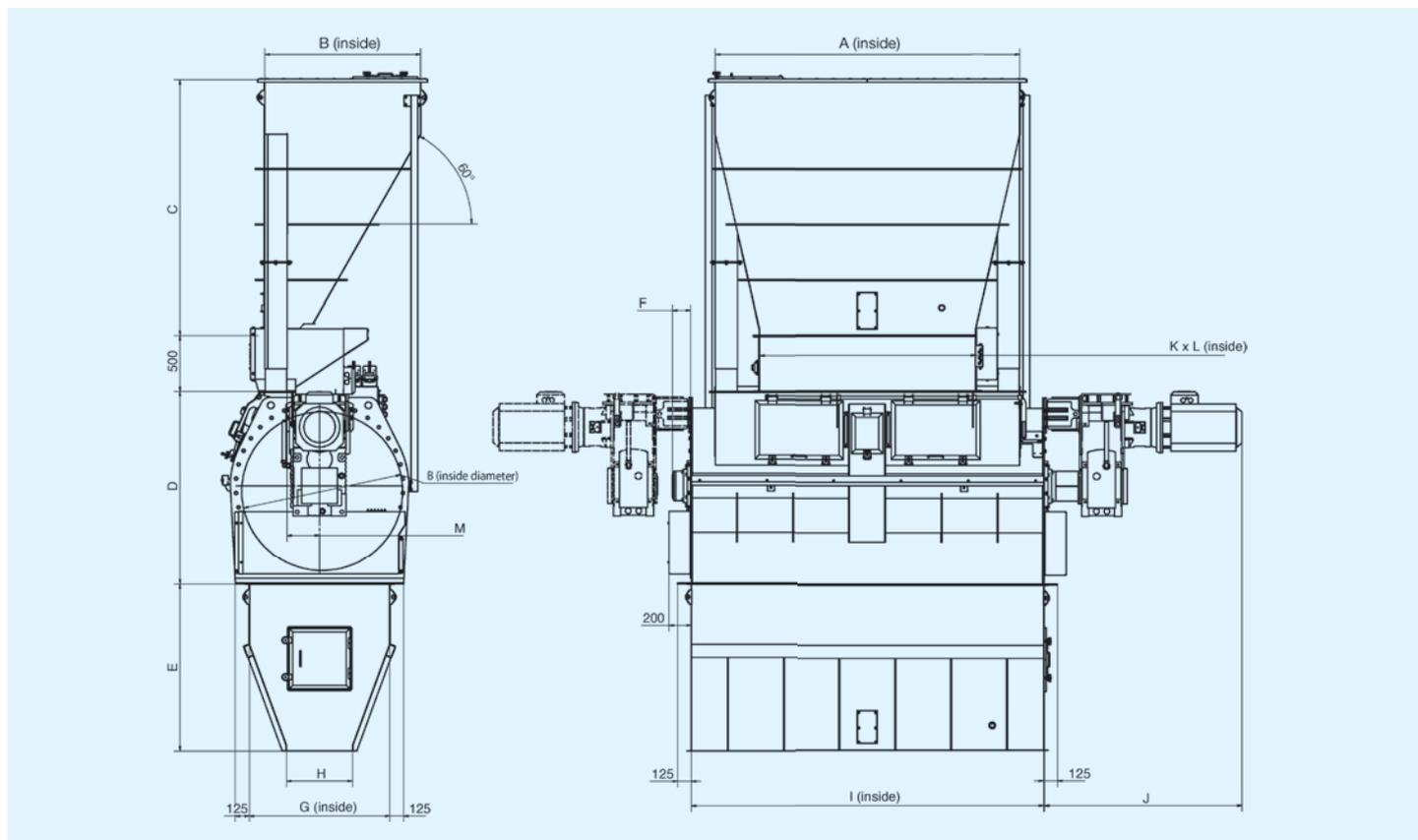
The paddle mixer trough is a welded construction, cylindrical with tangential inlet. The mixer is made of carbon steel or with parts in contact with materials made of stainless steel – excluding the mixing element.



▲ Homogeneity of tracer in 10g samples of hog feed mixed in an ANDRITZ HPB 6000 batch mixer



Paddle mixer installation



Type	Max. volume liters	Motor power kW	Net weight incl. motor kg	Vol. in seaworthy packing m ³
HPB501	500	7.5	1550	6.0
HPB1001	1000	11-15	1700	9.2
HPB2001	1800	15-30	2500	17.7
HPB4001	3500	30-45	4200	36.3
HPB6001	5000	45-55	5100	47.2
HPB8001	7000	55-75	6100	63.4
HPB10001	8000	90	8200	78.3

Type	A	B	C	D	E	F	G	H	I	J	K	L	M
HPB501	794	875	1920	1100	950	135	780	312	1240	1300	400	400	200
HPB1001	1150	990	1925	1236	1040	155	820	382	1660	1480	400	600	230
HPB2001	1920	1180	2200	1473	1200	155	1024	468	2360	1600	400	1168	265
HPB4001	2716	1390	2300	1735	1500	165	1244	590	3144	1760	400	1930	289
HPB6001	3350	1560	2900	1970	1800	200	1465	658	3792	1765	400	2230	370
HPB8001	3760	1670	3320	2085	1850	200	1552	738	4232	1875	500	2850	342
HPB10001	4094	1760	3600	2197	2170	265	1650	738	4550	1900	500	2850	369

Where to find us

Global supplier – local presence

ANDRITZ is truly a global organization – but also with local presence. We are represented all over the world. The global market for feed technologies is served from five main locations:

- Esbjerg, Denmark
- Sanshui, Guangdong Province, China
- Geldrop, Netherlands
- Muncy, PA, USA
- Humenné, Slovakia

In addition, we operate from several strategic regional sales, engineering, and service locations in China, Vietnam, India, Australia, Mexico, Venezuela, Brazil, Chile, France, the UK, and Germany – and are also represented locally by agents and distributors in many other markets.



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