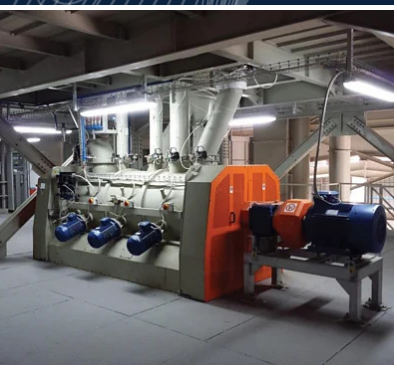
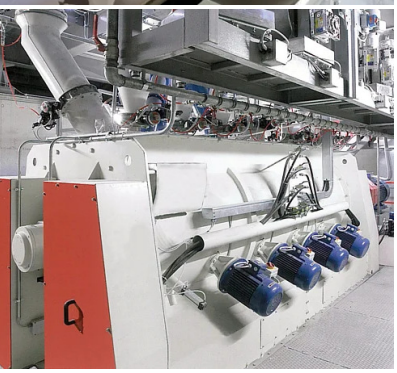
MIXING TECHNOLOGIES

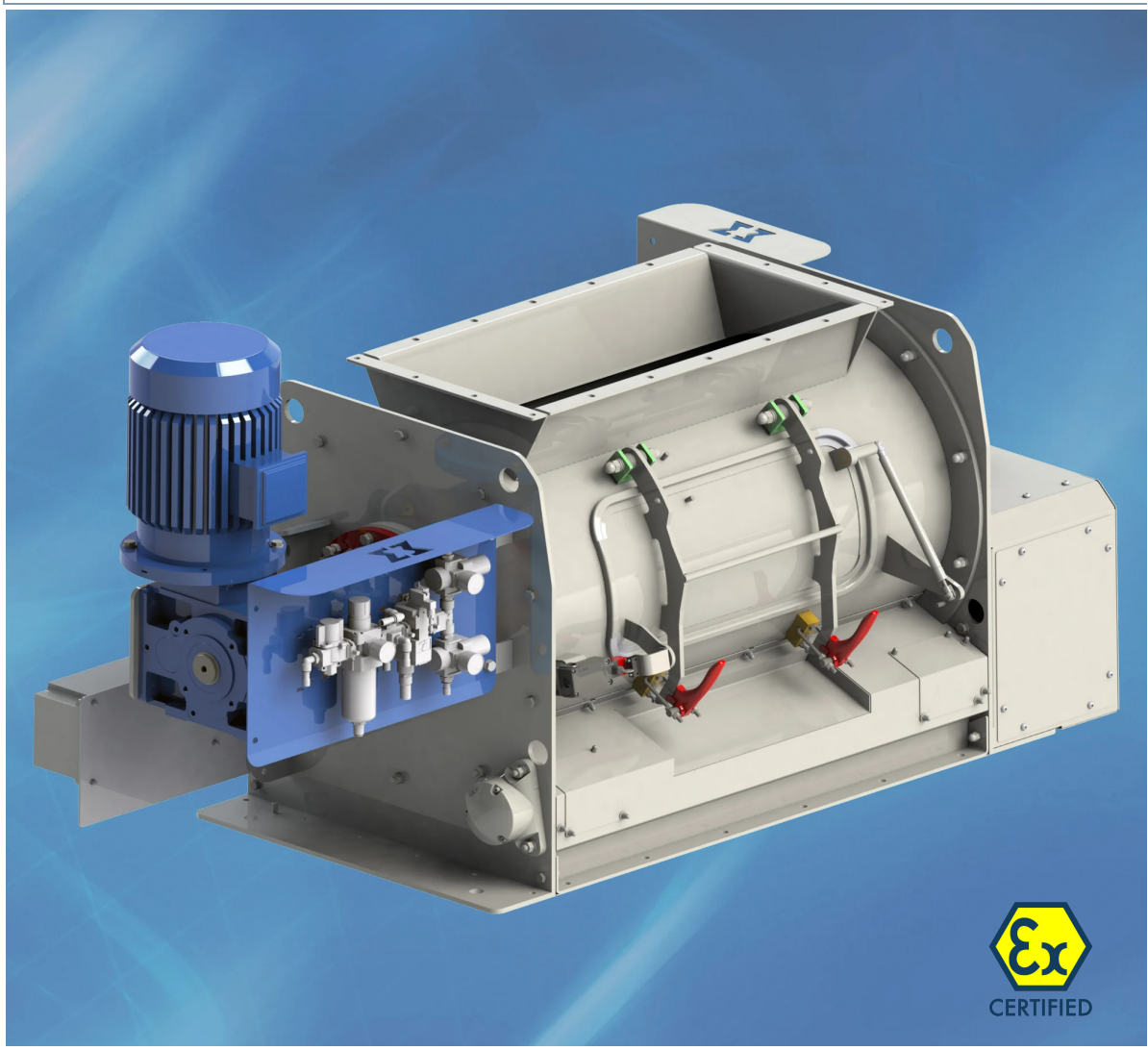
Batch-type Single-Shaft Mixers With Bomb-Bay Discharge

WBHT









WAMGROUP®

MAP®

Batch-type Single-Shaft Mixers
With Bomb-Bay Discharge
WBHT

MIXTURE EMPTYING IN THE SHORTEST POSSIBLE TIME

For industries demanding top-tier mixing performance, the WBH Batch-type Single-Shaft Mixer delivers unparalleled precision, ensuring perfectly reproducible batches every time. Over the past four decades, MAP® has supplied thousands of high-performance mixers worldwide, catering to diverse industrial needs. Customers can even validate results through mixing tests conducted in the company's global laboratories.

The WBHT Bomb-Bay Discharge Mixer takes efficiency a step further, enabling instant emptying with product residue as low as 0.1%, making it an essential solution where minimal discharge time is critical.

For operations in hazardous environments, ATEX-certified models are available, designed to function safely in explosive dust and gas atmospheres—including those with conductive powders—meeting stringent safety regulations.

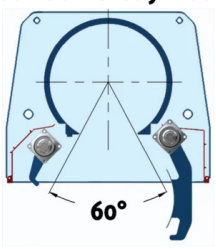
Technical Features

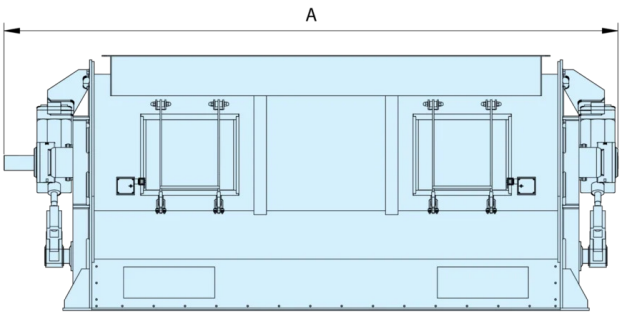
- Capacity: 75 ~ 10,500 litres per batch
- Mixing ratio: 1/100,000
- Variation coefficient (CV): up to 2%
- Extra heavy-duty design for long durability
- Optional liquid addition
- Fast opening and closing cycle (approximately 18 seconds)
- Zone 20-21-22 ATEX-certified devices

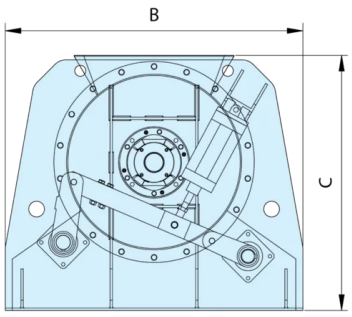
Overall Dimensions

WBHT

60° Bomb-bay Door







Model	A (mm)	B (mm)	C (mm)	Weight (kg)
WBHT 300 ¤	1,920	1,200	920	800
WBHT 550 ¤	2,175	1,440	1,150	1,150
WBHT 800 ¤	2,425		1,180	1,300
WBHT 1,100 ¤	2,750		1,300	1,750
WBHT 1,600 ¤	2,795	1,915	1,496	2,600
WBHT 2,000 ¤	3,070			3,150
WBHT 3,000 ¤	4,070			3,800
WBHT 4,800 •	4,515	1,900	1,770	5,650
WBHT 6,000 •	4,800		1,860	6,050
WBHT 8,800 •	5,450	2,100	2,135	8,550
WBHT 10,500 •	5,595	2,220	2,235	9,350
WBHT 15,000 •	6,125	2,540	2,525	12,150

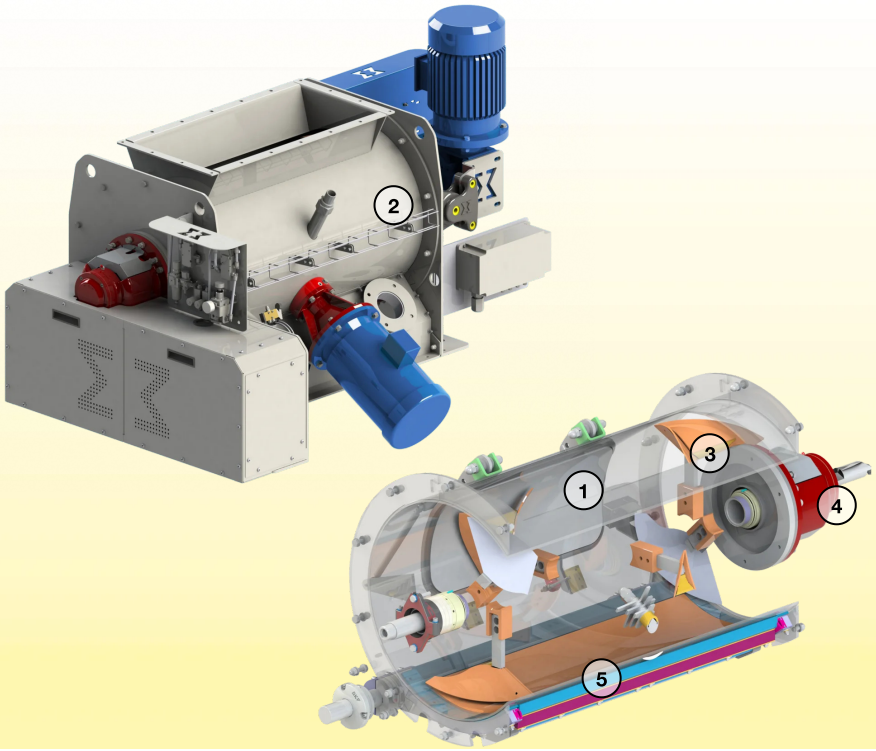
¤ Pneumatically operated bomb-bay discharge door • Hydraulically operated bomb-bay discharge door

Dimensions in mm

Benefits

- Excellent reproducibility of batches
- Total emptying, minimum residue
- Perfect bomb-bay door sealing
- Optimum mixing homogeneity
- No product degradation
- Safe and durable
- Power rating adapted to application
- High uptime
- Extensive mixing know-how and test facilities
- Quick and easy access to mixer interior

1. Large inspection doors enabling comfortable access to the interior of the mixer
2. Heavy-duty mixing chamber manufactured in carbon steel, antiwear steel or 304L / 316L stainless steel
3. Replaceable, adjustable mixing tools
4. End bearing assemblies in various shaft seal configurations for all application requirements
5. Bomb-bay discharge door



Mixing Tools & Choppers

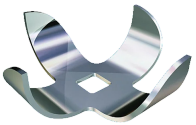

Standard

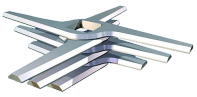

Toothed Edge


Blade-type


Toothed Blade

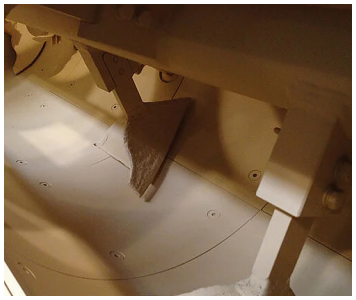


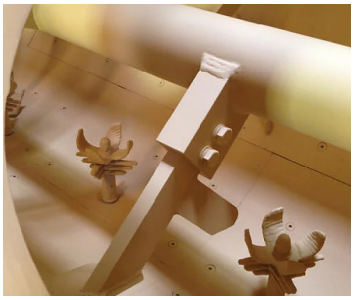

Tulip-shaped

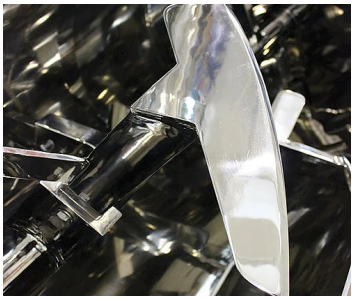

Blade-type

Options


Choppers, liquid injectors, temperature jacket


Removable chamber liner, tools in special anti-wear material


Choppers

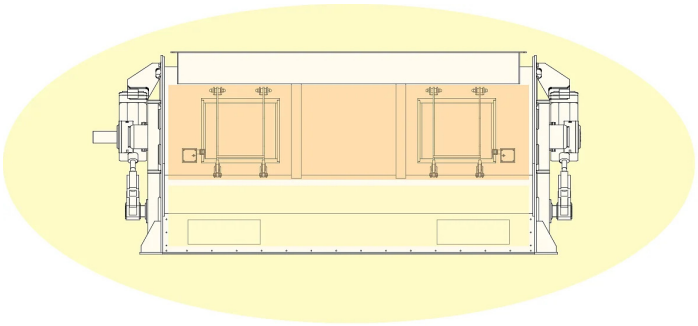

304L / 316L stainless steel internal polishing

Application





ATEX Zones



Zone: a place in which an explosive atmosphere is...	ATEX Zone Gases	ATEX Zone Dusts
continually present	0	20
likely to occur occasionally in normal operation	1	21
not likely to occur in normal operation and only for very short durations	2	22



WAMGROUP®

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