MIXING TECHNOLOGIES

Batch-type Single Shaft Mixers With Bomb-Bay Discharge

WBHT / WBHP









CERTIFIED

Foods | Plastics | Minerals | Cosmetics | Chemicals | Metallurgy | Animal Feed
Organic Materials | Pharmaceuticals | Building Materials | Environmental Technology

WAMGROUP®

MAP®

Batch-type
Single Shaft Mixers
With Bomb-bay Discharge

WBHT / WBHP

MIXTURE DISCHARGE IN THE SHORTEST TIME POSSIBLE

The WBH Batch-Type Single Shaft Mixer is the ideal machine for producing top quality mixtures in perfectly reproducible batches. Over the last four decades, MAP® has supplied thousands of mixers to a wide variety of industries all over the world. Mixing tests for customers are performed in the Group's own laboratories worldwide.

In addition to the features of standard WBH mixers, WBHP and WBHT-type Bomb-bay Discharge Mixers ensure instant product discharge with a residue of less than 0.1% depending on the product mixed. A bomb-bay discharge is mandatory if discharge time has to be reduced to the minimum.

ATEX-certified machines are available that can operate in "zones" (according to the classification of the ATEX directive) with dust and gas explosive atmospheres, even in the presence of conductive powder

Technical Features

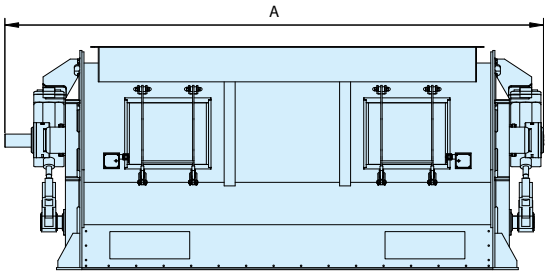
- Capacity: 165 ~ 10,500 litres per batch
- Mixing ratio: 1/100,000
- Variation coefficient (CV): between 3 and 5
- Mixing chamber for temperatures of up to 150 °C (302 °F) and 3.0 bar (43.5 PSI) absolute pressure
- Optional liquid addition
- Operating atmopheres: group IIB for gas, group IIIC for dust
- ATEX-certified devices
- ATEX certification compatible with all finishing materials for tools and chamber

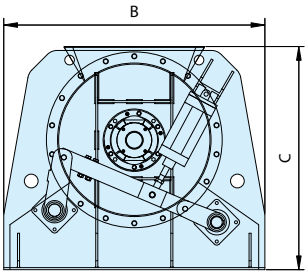
Overall Dimensions

WBHT

60° Bomb-bay Door



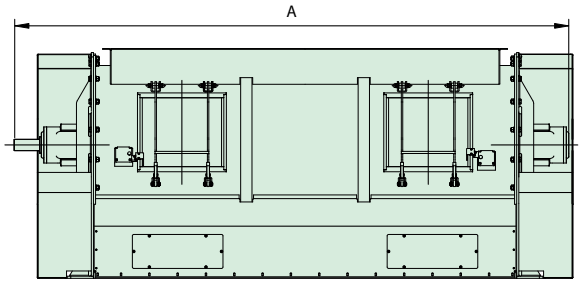


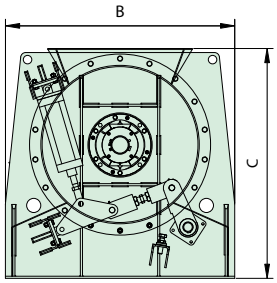


WBHP

15° Bomb-bay Door







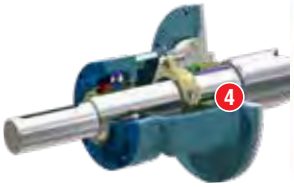
Model	A	B		C	Working Capacity (l)	Empty Weight (kg)	
		WBHT	WBHP			WBHT	WBHP
550 ¤	2,150	1,250	1,250	1,200	155 ~ 385	690	650
800 ¤	2,350	1,200	1,200	1,250	215 ~ 560	850	810
1100 ¤	2,620	1,500	1,350	1,500	315 ~ 770	1,200	1,100
1600 ¤	2,620	1,500	1,350	1,500	485 ~ 1,150	1,200	1,100
2000 ¤	2,920	1,900	1,500	1,650	551 ~ 1,400	2,400	2,280
3000 ¤	3,920	1,900	1,500	1,650	825 ~ 2,100	3,000	2,550
4800 •	4,550	2,000	1,780	1,790	1,340 ~ 3,360	3,800	3,600
6000 •	4,870	1,960	1,820	1,900	1,650 ~ 4,150	4,400	4,200
8800 •	5,390	2,200	2,000	2,200	2,450 ~ 6,150	5,300	5,050
10500 •	5,630	2,400	2,110	2,430	2,950 ~ 7,350	6,900	6,500
15000 •	6,130	2,800	2,380	2,530	4,100 ~ 10,500	8,000	7,600

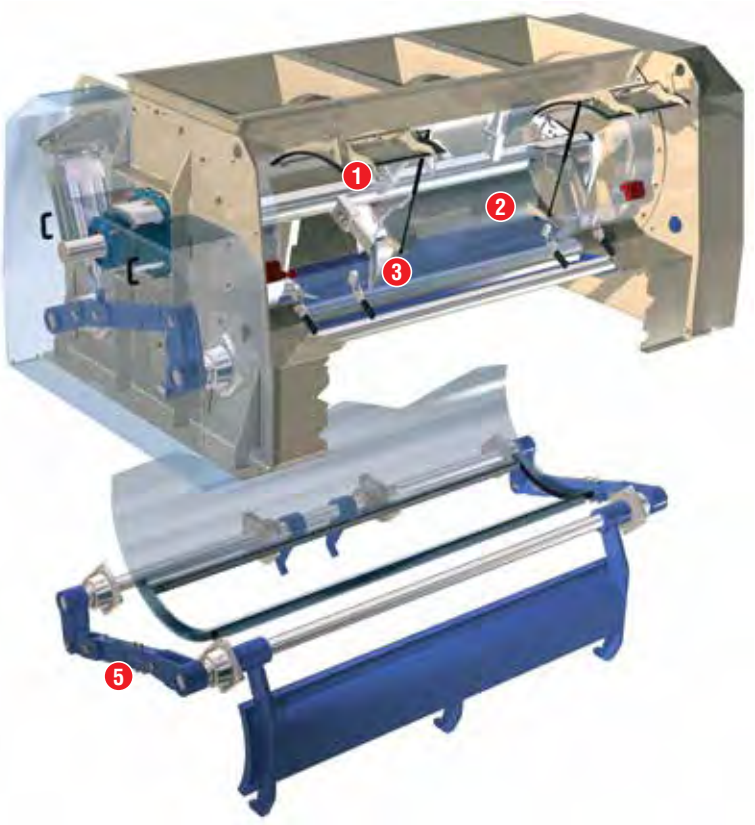
¤ Pneumatically operated bomb-bay discharge door *• Hydraulically operated bomb-bay discharge door* *Dimensions in mm*

Benefits

- ✓ **Excellent reproducibility of batches**
- ✓ **Total emptying, minimum residue**
- ✓ **Perfect bomb-bay door sealing**
- ✓ **Optimum mixing homogeneity**
- ✓ **No product degradation**
- ✓ **Safe and durable**
- ✓ **Rated power 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, anti-wear 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



Standard | Toothed Edge | Blade-type | Toothed Blade

Anti-Wear Coating as an option for all mixing tools

Choppers





Tulip-shaped | Blade-type

Options



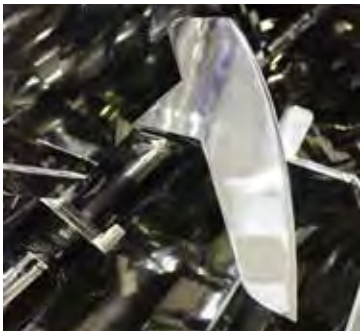
Choppers, liquid injectors, temperature jacket



Removable chamber liner, tools in special anti-wear material



Choppers



304L / 316L stainless steel internal polishing

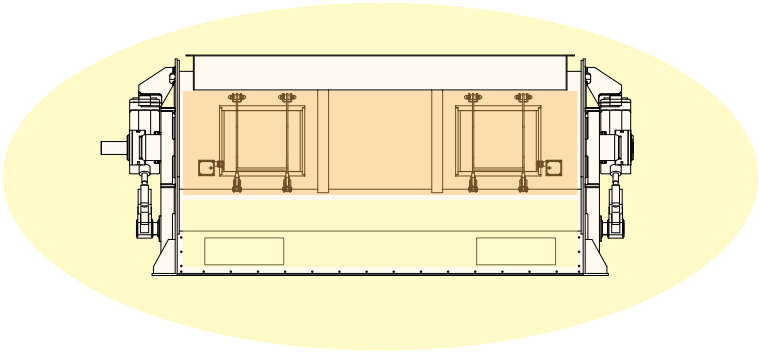
Application





ATEX Zones

Zone: a place in which an explosive atmosphere is…	ATEX Zone	
	Gases	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





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SILOFAB™ MVM® CHIOR® SEPCOM® SPECO® SAVI SAVECO®

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