MIXING TECHNOLOGIES

Batch-type Single Shaft Mixers

WBH









CERTIFIED

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

WAMGROUP®

MAP®

Batch-type
Single Shaft Mixers
WBH

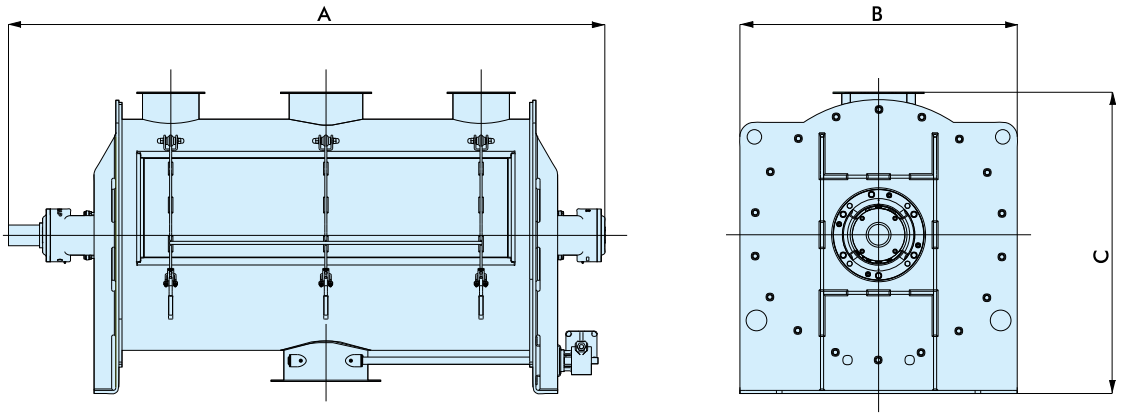
THOUSANDFOLD PROVEN HIGH-QUALITY MIXING

The WBH Batch-type Single Shaft Mixer is the ideal machine for producing highest 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. 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: 10 ~ 17,500 litres per batch
- Mixing ratio: 1/100,000
- Variation coefficient (CV): 3 ~ 5%
- Mixing chamber for temperatures of up to 150 °C (302 °F) and 3.0 bar (43.5 PSI) absolute pressure
- Operating atmopheres: group IIA, IIB for gas, group IIIA, IIIB and IIIC for dust
- Optional liquid addition
- ATEX-certified devices
- ATEX certification compatible with most finishing materials for tools and chamber

Overall Dimensions

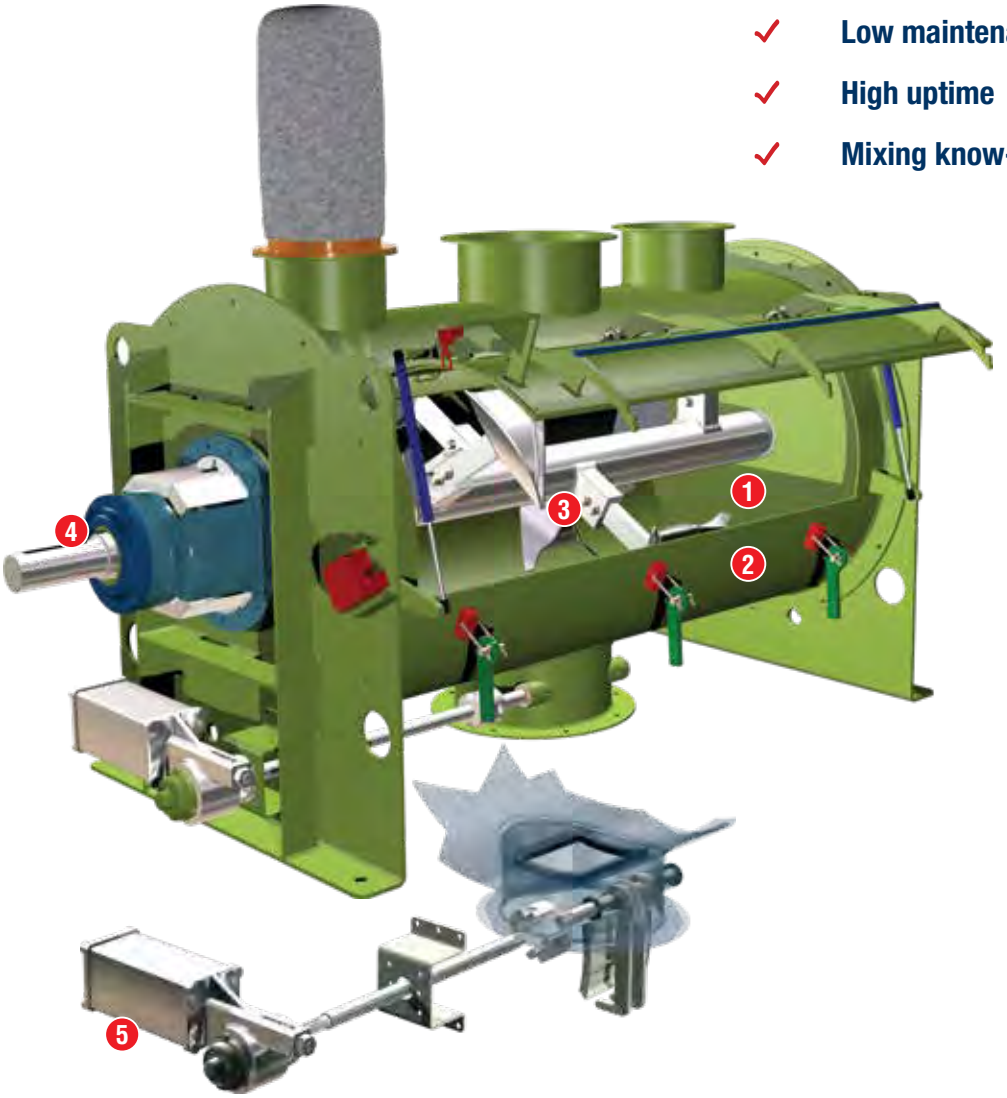


	A	B	C	Working Capacity (l)	Empty Weight (kg)
WBHV 75	1,300	610	650	21 ~ 55	240
WBHV 150	1,460	670	750	40 ~ 105	350
WBHV 300	1,840	770	890	85 ~ 210	550
WBHV 550	2,150	930	1,080	155 ~ 385	840
WBHV 800	2,350	980	1,150	215 ~ 560	1,080
WBHV 1100	2,690	1,100	1,280	315 ~ 770	1,400
WBHV 1600	2,690	1,100	1,280	485 ~ 1,150	1,400
WBHV 2000	2,920	1,340	1,460	551 ~ 1,400	2,100
WBHV 3000	3,920	1,340	1,460	825 ~ 2,100	2,800
WBHV 4800	4,520	1,500	1,750	1,340 ~ 3,360	4,300
WBHV 6000	4,820	1,600	1,860	1,650 ~ 4,150	4,800
WBHV 8800	5,390	1,810	2,130	2,450 ~ 6,150	5,800
WBHV 10500	5,630	1,910	2,160	2,950 ~ 7,350	6,900
WBHV 15000	6,120	2,110	2,450	4,100 ~ 10,500	8,200
WBHV 20000	6,610	2,310	2,670	6,000 ~ 14,000	11,900
WBHV 25000	6,880	2,430	2,740	7,500 ~ 17,500	13,650

Dimensions in mm

Benefits

- ✓ Short mixing time
- ✓ Excellent reproducibility of batches
- ✓ Easy access
- ✓ Safe and durable
- ✓ Maximum mixing homogeneity
- ✓ No product degradation
- ✓ Low maintenance
- ✓ High uptime
- ✓ Mixing know-how and test facilities



1. Large inspection door enabling comfortable access to the interior of the mixer
2. Heavy-duty mixing chamber manufactured from carbon steel, anti-wear steel or 304L / 316L stainless steel with a vast range of coatings
3. Replaceable, adjustable mixing tools
4. End bearing assemblies in various shaft seal configurations (air or nitrogen-purged)
5. Flush discharge valve

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



Chamber liner and tools in special anti-wear material



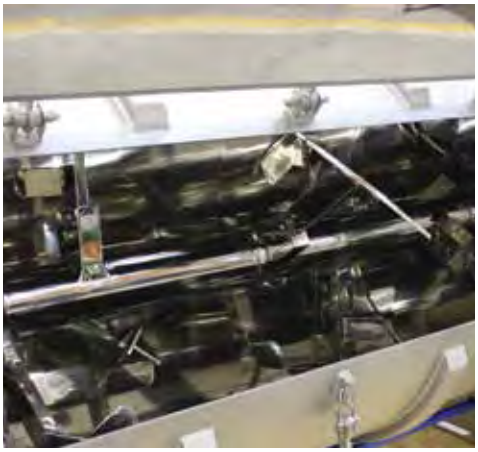
Large inspection door for easy-to-clean interior



304L / 316L stainless steel internal polishing

Application

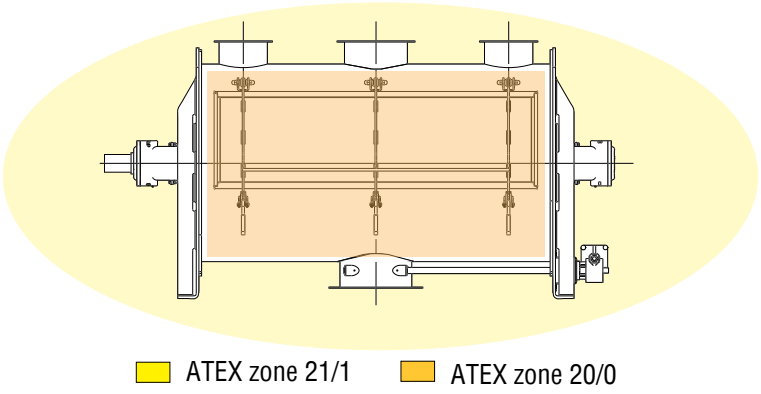






ATEX Zones

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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