

# Batch-type Single Shaft Mixers

WBH



CERTIFIED

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

## THOUSANDFOLD PROVEN HIGH-QUALITY MIXING

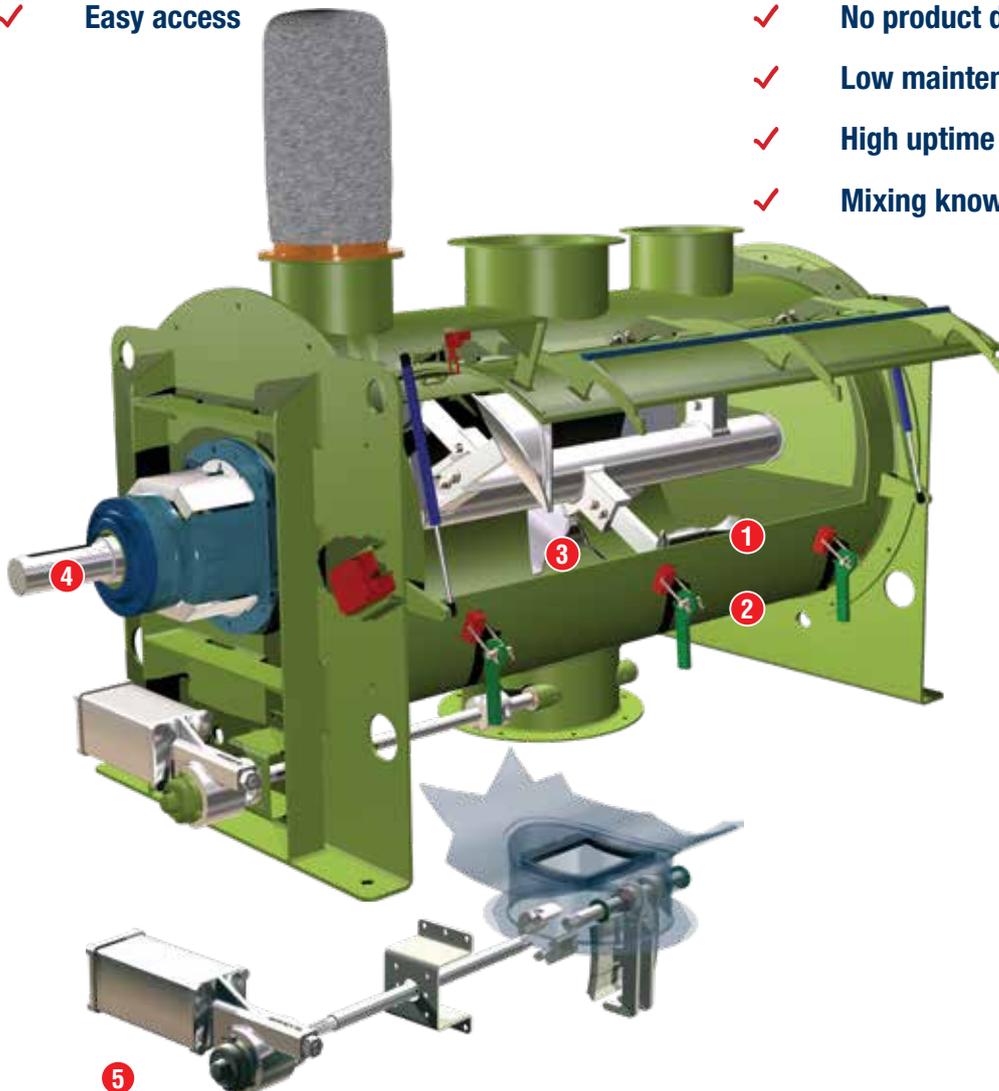
The WBH Batch-type Single Shaft Mixer is the ideal machine for producing highest quality mixtures in perfectly reproducible batches. Over the last four decades, MAP® has supplied thousands of mixers to a wide variety of industries all over the world. Mixing tests for customers are performed in the Group's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

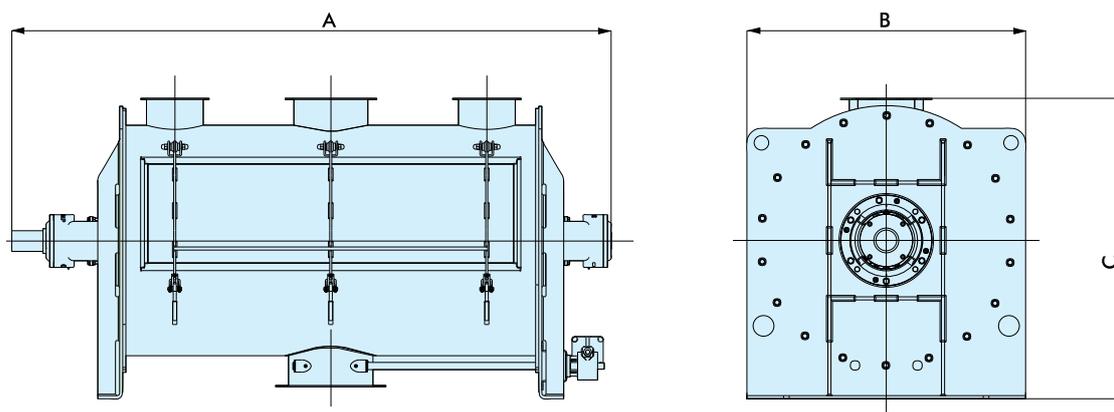
### Benefits

- ✓ **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

# Overall Dimensions



TYPE	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

## 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

## Mixing Tools



Standard

Toothed Edge

Blade-type

Toothed Blade

Anti-Wear Coating as an option for all mixing tools

## Choppers



Tulip-shaped



Blade-type

# Application



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