MIXING TECHNOLOGIES

Continuous Single Shaft Mixers

WAH









CERTIFIED

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

WAMGROUP®

MAP®

Continuous Single Shaft Mixers **WAH**

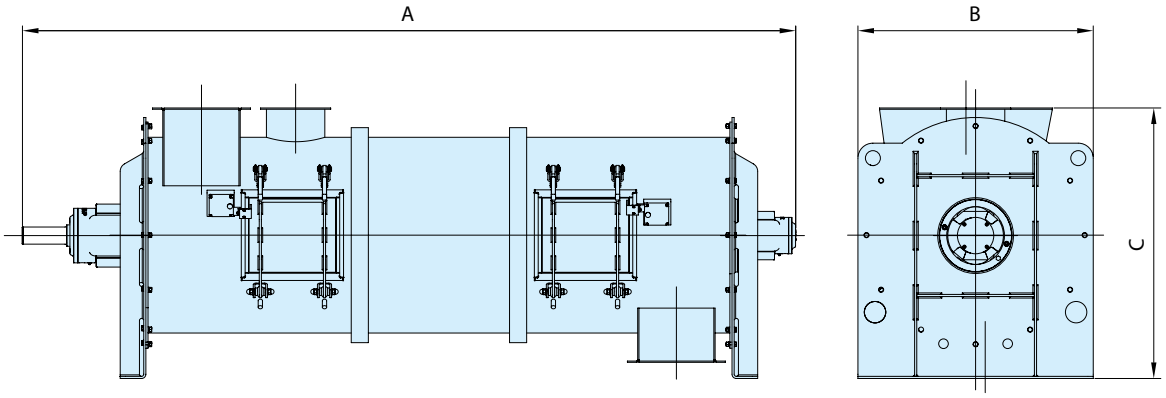
CONSTANT MIXING QUALITY

The WAH Continuous Single Shaft Mixer is the ideal machine for producing the highest quality mixtures with maximum production efficiency. The WAH range also features ATEX-certified machines which can operate in “zones” according to the classification of the ATEX Directive with dust and gas explosive atmospheres, even if conductive powder is present.

Technical Features

- Capacity: 2 ~ 1,000 m³/h (1.2 ~ 590 cfm) depending on recipe and mixer configuration
- Optionally up to 20% liquid addition
- Mixing chamber for temperatures of up to 150 °C (302 °F) and 3.0 bar (43.5 PSI) pressure
- Operating atmopheres: group IIA, IIB for gas, group IIIA, IIIB and IIIC for dust
- ATEX-certified devices
- ATEX certification compatible with most finishing materials for tools and chamber

Overall Dimensions

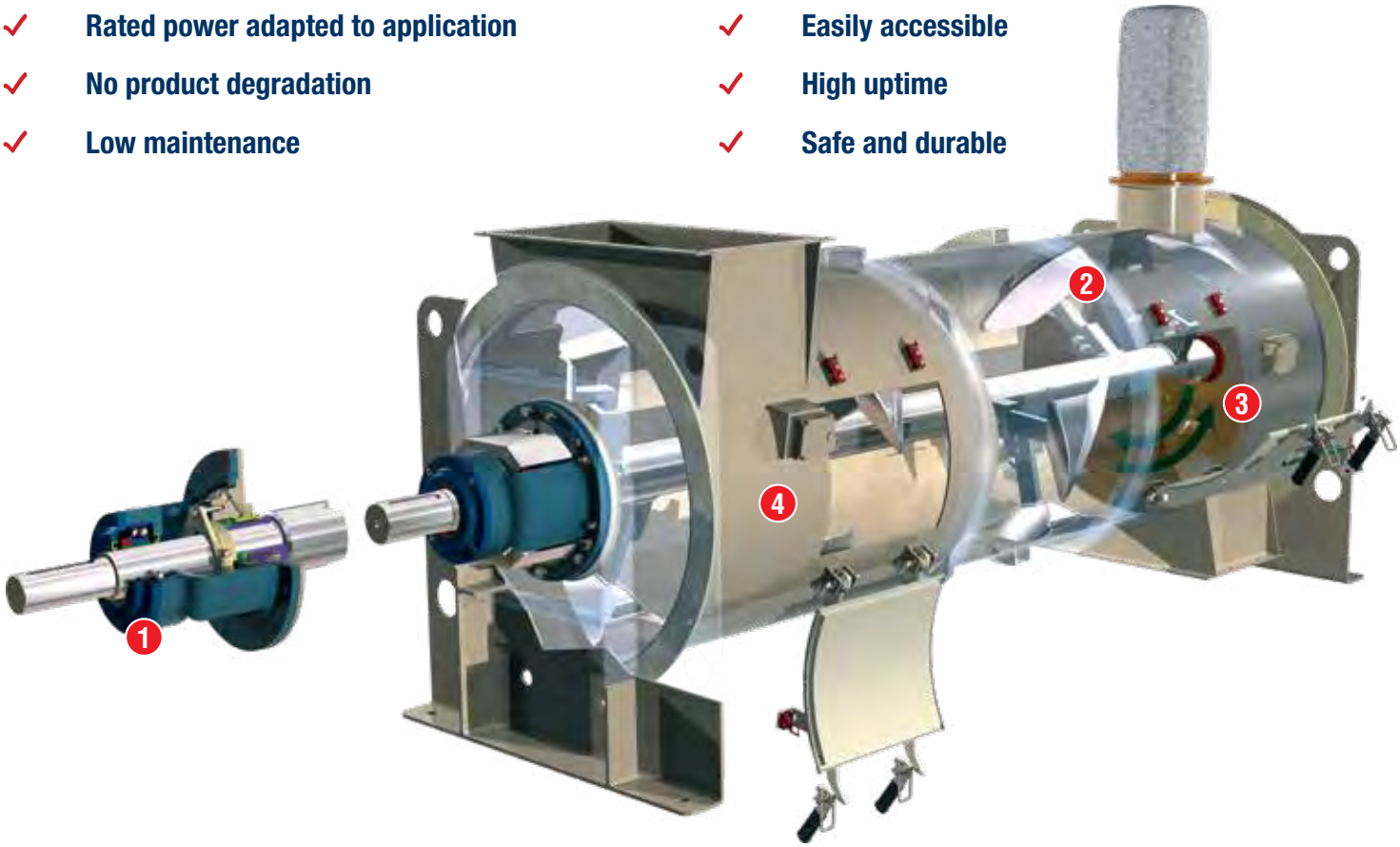


	A	B	C	50% ◒ dm³/h in 60 sec	50% ◒ dm³/h in 180 sec	Empty Weight (kg)
WAH00075	1,690	490	560	2,020	670	210
WAH00150	1,960	570	630	4,030	1,340	350
WAH00300	2,220	670	800	7,890	2,630	580
WAH00500	2,550	770	920	13,720	4,570	840
WAH01000	3,140	930	1,120	27,990	9,330	1,390
WAH01800	3,670	1,100	1,270	50,170	16,720	2,100
WAH03000	3,920	1,340	1,470	82,580	27,530	2,800
WAH04800	4,510	1,500	1,800	134,280	44,760	3,800
WAH06000	4,816	1,600	1,860	165,710	55,240	4,500
WAH08800	5,325	1,810	2,130	245,800	81,930	5,840
WAH10500	5,580	1,910	2,240	295,320	98,440	6,600
WAH15000	6,090	2,110	2,470	411,890	137,300	8,200
WAH20000	6,620	2,310	2,670	549,180	183,060	11,900
WAH25000	6,890	2,430	2,740	686,480	228,830	13,650

Dimensions in mm

Benefits

- ✓ **Maximum mixing homogeneity**
- ✓ **Rated power adapted to application**
- ✓ **No product degradation**
- ✓ **Low maintenance**
- ✓ **Mixing know-how and test facilities**
- ✓ **Easily accessible**
- ✓ **High uptime**
- ✓ **Safe and durable**



1. End bearing assemblies with various types of shaft seals (air or nitrogen-purged)
2. Replaceable, adjustable mixing tools
3. Large inspection doors enabling comfortable access to the interior of the mixer
4. Heavy-duty mixing chamber manufactured from carbon steel, anti-wear steel, or 304L / 316L stainless steel

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 in special anti-wear material



Special tool arrangement for different applications



Front discharge

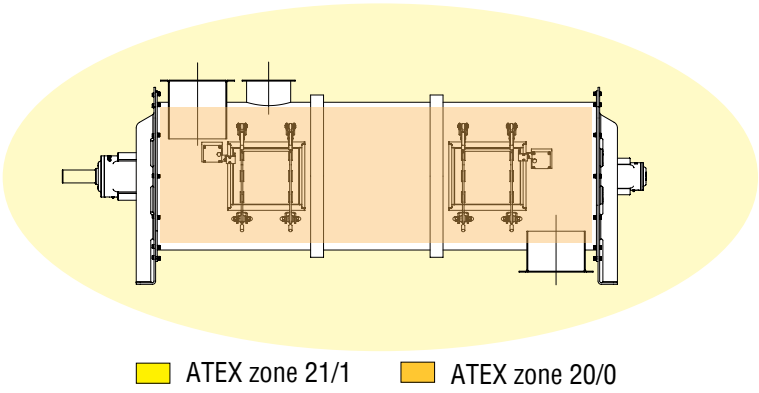
Application





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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