

# Plastics Processing

## WAH Continuous Single Shaft Mixers



31



### Description ▼

WAH is a Continuous Horizontal Single Shaft Mixer suitable for dry bulk solids (powders, granules, short fibres), dry bulk solids + liquids (conditioning & granulating), sludges and pastes.

WAH Mixers operate on the principle of a mechanically generated fluid bed. Ploughshare or shovel-shaped mixing tools rotate close to the horizontal, cylindrical drum casing lifting the components to be mixed from the product bed into the open mixing area. The quality of the mixture is achieved before the product reaches the mixer outlet.

### Function ▼

The horizontal single shaft mixer WAH is based on the principle of mechanical fluidisation of the product.

The particular shape, position and rotation speed of the mixing tools, creates a centrifugal vortex motion, which allows the products to be projected in a three-dimensional way and to merge with each other.

This ensures that components with different particle size and bulk density are perfectly blended and mixed with high precision within the shortest possible time.



### Application ▼

Processing of all kinds of PVC, resins, thermoplastic resins, thermosets, compounds, melts, pastes or solutions.

For various applications in the plastics industry, process-specific solutions are offered by MAP® in the fields of polymerization, mixing, homogenizing, dispersing, emulsifying, compounding, coating, agglomerating, conditioning, heating/cooling and melting.

MAP® mixers are used for the production, stabilization, preparation and product feature adjustment of plastic materials (thermoplastics, thermosets, elastomers, resins).

### Benefits ▼

- ✓ **Maximum mixing homogeneity;**
- ✓ **High speed mixing (short mixing time);**
- ✓ **Low material residue;**
- ✓ **Minimum wear/low maintenance;**
- ✓ **Easy access to all internal parts of the mixer;**

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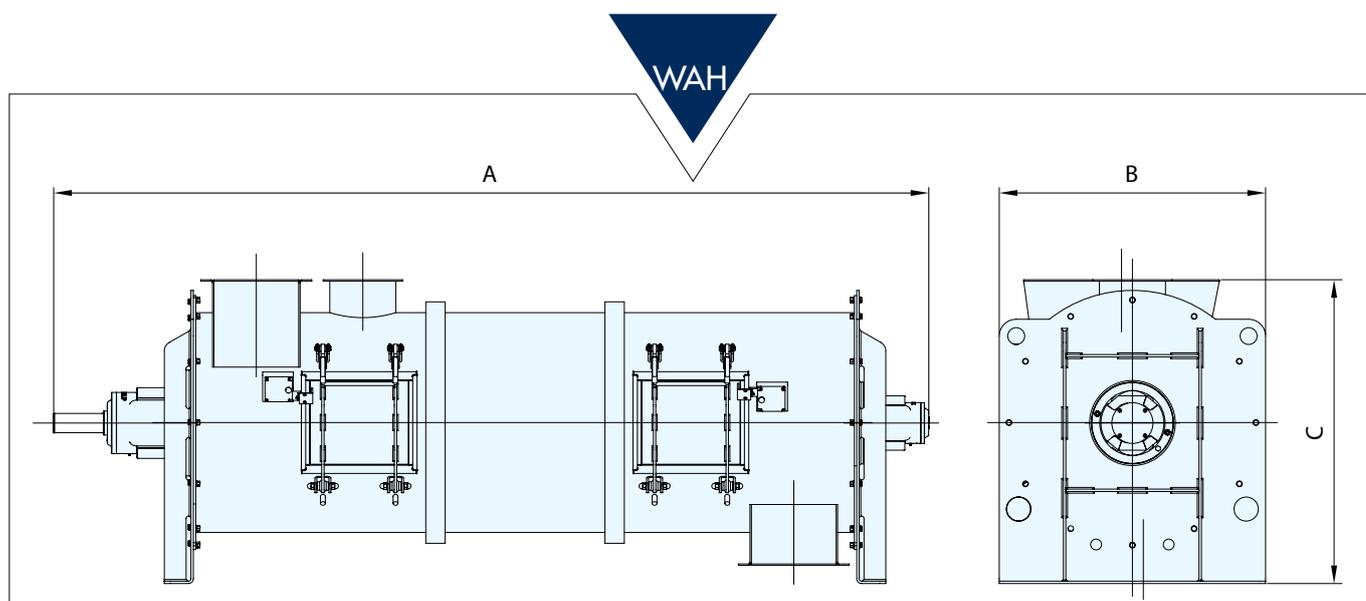
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### Technical Features / Performance ▼

- ▶ From 75 up to 15,000 litres volume
- ▶ Different construction materials
- ▶ Different types of mixing tools

### Overall Dimensions ▼



	A	B	C	50% $\text{dm}^3/\text{h}$ Residence Time		Empty Weight (kg)
				60 s	180 s	
WAH 00075	1,690	485	556	2,022	674	210
WAH 00150	1,960	570	634	4,031	1,344	350
WAH 00300	2,220	670	801	7,892	2,631	580
WAH 00500	2,550	770	920	13,716	4,572	840
WAH 01000	3,140	930	1,118	27,993	9,331	1,390
WAH 01800	3,670	1,100	1,265	50,170	16,723	2,100
WAH 03000	3,920	1,340	1,472	82,577	27,526	2,800
WAH 04800	4,510	1,500	1,800	134,281	44,760	3,800
WAH 06000	4,816	1,600	1,860	165,708	55,236	4,500
WAH 08800	5,325	1,810	2,133	245,796	81,932	5,840
WAH 10500	5,580	1,910	2,237	295,322	98,441	6,600
WAH 15000	6,090	2,110	2,465	411,885	137,295	8,200

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*This datasheet might not show the complete range but only the models most suitable for the application.*



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