

Pasta Processing Plant

Continuous Single Shaft Mixers WAH

10



Description ▼

Continuous type WAH mixers consist of a horizontal, single shaft, equipped with ploughshare or shovel tools, housed in a tubular mixing drum. The machines come with one or more inlets, an outlet, a venting spout, two drum closing end plates that carry flanged end bearing assemblies complete with integrated, adjustable, shaft sealing units, and a drive unit complete with power transmission.

WAH-type horizontal single shaft mixers work on the principle of mechanical fluidisation of the product.

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

This ensures that ingredients with different particle size and bulk density are perfectly blended and mixed with high precision within the shortest possible time. The quality of the mixture is achieved before the product reaches the mixer outlet.



Application ▼

WAH mixer installed in the flour mixing section of a pasta making plant in Italy.

Benefits ▼

- ✓ **Maximum mixing homogeneity;**
- ✓ **High speed mixing;**
- ✓ **Low material residue;**
- ✓ **Minimum wear - low maintenance;**
- ✓ **Easy access to all internal parts of the mixer;**
- ✓ **High quality mixing;**
- ✓ **High productivity;**
- ✓ **ATEX-certified;**
- ✓ **Attractive price.**

Pasta Processing Plant

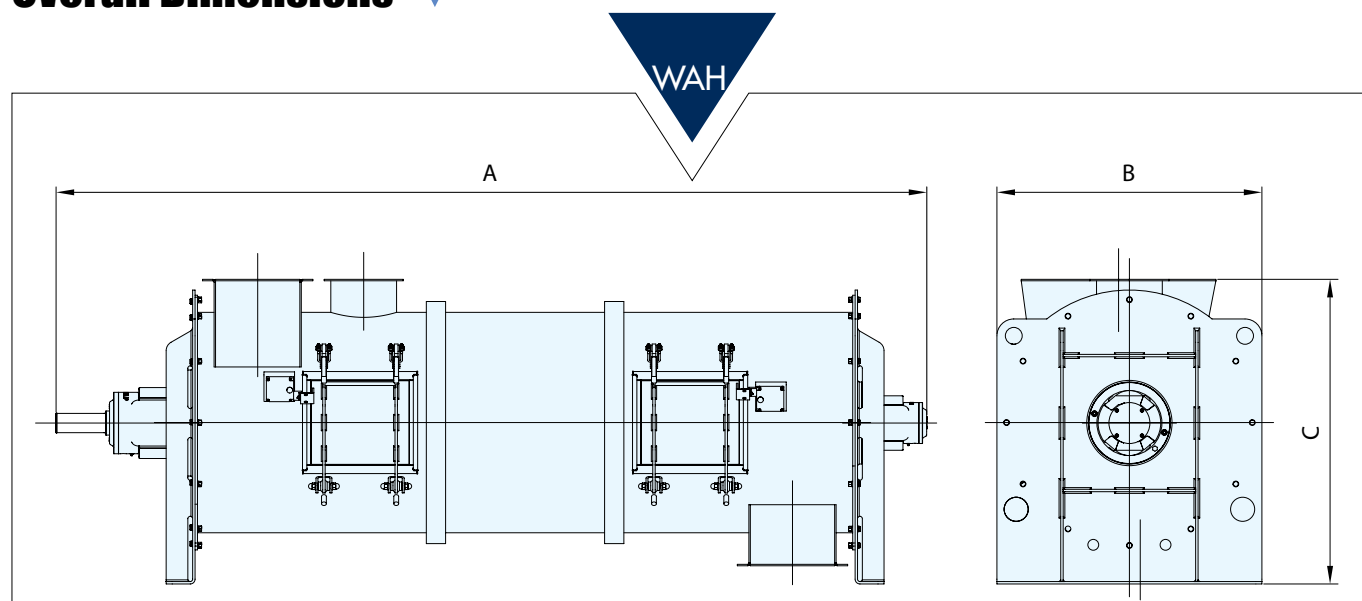
Continuous Single Shaft Mixers WAH




Technical Features / Performance ▼

- ▶ Sizes: 75 to 25,000 litres
- ▶ Drive units: 4.0 kW to 300 kW
- ▶ Mixing capacity: from 2 to 1,000 m³/h (depending on recipe and unit configuration)
- ▶ End bearing assemblies with various types of shaft seals and option of air or nitrogen purging
- ▶ Flush discharge valve
- ▶ Heavy-duty mixing chamber manufactured in carbon steel, or 304L, or 316L stainless steel
- ▶ Jacketed mixing chamber
- ▶ Chopper bearing assemblies with rotary air-purged shaft seals
- ▶ Liquid injection devices
- ▶ Decompression control panel
- ▶ Pneumatic sampling device
- ▶ PT 100 temperature probe on jacketed mixing chamber
- ▶ Wide range of mixing tools
- ▶ Automatic cleaning system

Overall Dimensions ▼



	A	B	C	50%  dm ³ /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

Dimensions in mm

This datasheet might not show the complete range but only the models specialised for the application.