

# Plastics Processing

## WBHV Batch-Type Single Shaft Mixers



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### Description ▼

WBHV Batch-Type Single Shaft Mixers consist of a horizontal single shaft equipped with ploughshare or shovel tools, housed in a tubular mixing drum. One or more inlets, an outlet with central discharge port, 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.

### Function ▼

The horizontal single shaft ploughshare mixer WBH is based 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 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 and 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;**
- ✓ **Low material residue;**
- ✓ **Minimum wear/low maintainance;**
- ✓ **Easy access to all internal parts of the mixer;**
- ✓ **Maximum quality mixing;**
- ✓ **Attractive price;**
- ✓ **Low maintenance costs;**

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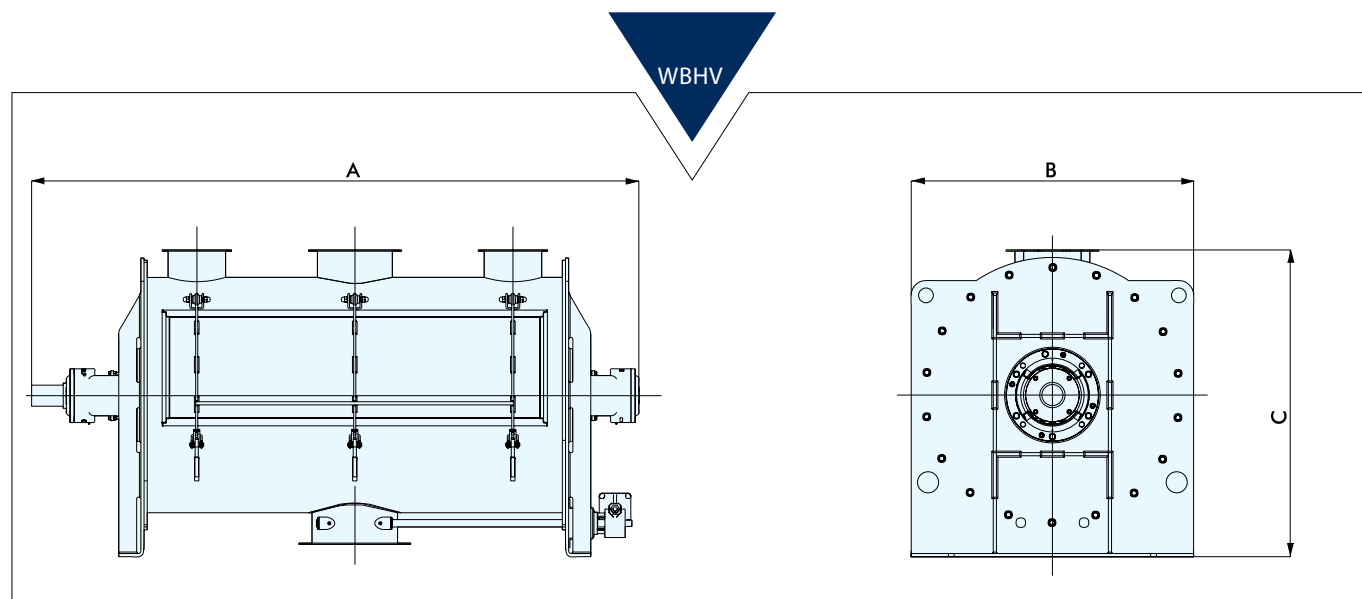
## WBHV Batch-Type Single Shaft Mixers



### Technical Features / Performance ▼

- ▶ From 75 up to 15,000 litres volume
- ▶ Different construction materials
- ▶ Bomb-bay total discharge available (15° or 60°).

### Overall Dimensions ▼



TYPE	A	B	C	Usable Volume (dm <sup>3</sup> )	Empty Weight (kg)
WBHV 75	1,300	611	649	56	245
WBHV 150	1,460	670	754	105	350
WBHV 300	1,840	770	889	210	550
WBHV 550	2,150	930	1,075	385	840
WBHV 800	2,350	980	1,151	560	1,080
WBHV 1100	2,690	1,100	1,278	770	1,400
WBHV 2000	2,920	1,340	1,455	1,400	2,100
WBHV 3000	3,920	1,340	1,455	2,100	2,800
WBHV 4800	4,520	1,500	1,750	3,360	4,300
WBHV 6000	4,820	1,600	1,860	4,200	4,800
WBHV 8800	5,390	1,810	2,130	6,160	5,800
WBHV 10500	5,630	1,910	2,160	7,350	6,900
WBHV 15000	6,124	2,110	2,445	10,500	8,200

Dimensions in mm

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