

Plastics Processing

WBN Batch-Type Ribbon Blenders



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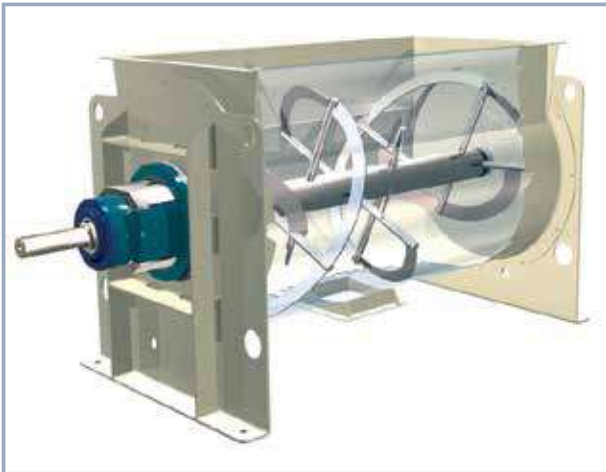


Description ▼

WBN Batch-Type Ribbon Blenders consist of a horizontal, single shaft double counter-pitch ribbon screw housed in a tubular mixing drum, a central inlet or a rectangular shape inlet port across the entire length of the mixing drum, an outlet with a central discharge outlet, a venting spout, two drum closing end plates that carry flanged end bearing assemblies complete with integrated adjustable shaft sealing unit, and a drive unit complete with power transmission.

Function ▼

The outer helix will move the material from both ends of the vessel towards the centre, while the inner helix will transfer the material towards both ends, performing a sort of convection mixing. The product is processed gently in a relative short mixing 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;**
- ✓ **Mixing of fragile materials without particle damage;**
- ✓ **Low material residue;**
- ✓ **Minimum wear/low maintenance;**
- ✓ **Easy access to all internal parts of the mixer;**
- ✓ **Attractive price;**
- ✓ **Maximum quality mixing.**

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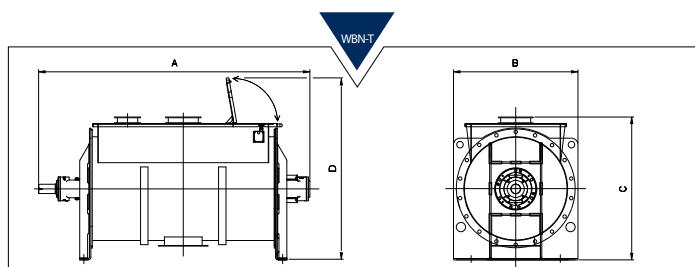
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Technical Features / Performance ▼

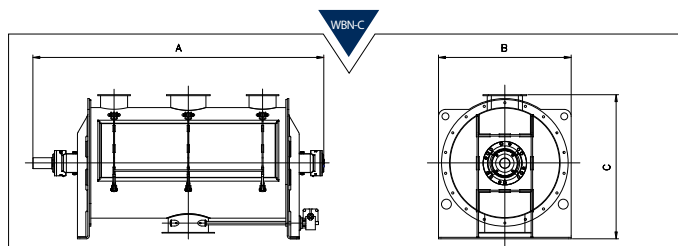
- ▶ From 75 up to 15,000 litres volume
- ▶ Different construction materials
- ▶ Bomb-bay total discharge available (15° or 60°).

Overall Dimensions ▼



TYPE	A	B	C	D	Usable Volume (dm ³)	Empty Weight (kg)
WBN-T 75	1,300	611	670	1,051	56	160
WBN-T 150	1,460	670	763	1,274	105	270
WBN-T 300	1,840	770	930	1,393	210	400
WBN-T 550	2,150	930	1,133	1,585	385	690
WBN-T 800	2,350	980	1,154	1,602	560	850
WBN-T 1100	2,690	1,100	1,260	1,754	770	1,200
WBN-T 2000	2,920	1,340	1,465	1,975	1,400	2,400
WBN-T 3000	3,920	1,340	1,465	2,090	2,100	2,700
WBN-T 4800	4,520	1,500	1,725	2,199	3,360	3,800
WBN-T 6000	4,820	1,600	1,876	2,325	4,200	4,400
WBN-T 8800	5,390	1,810	2,067	2,665	6,160	5,300
WBN-T 10500	5,630	1,910	2,413	2,862	7,350	6,900
WBN-T 15000	6,124	2,110	2,706	3,190	10,500	8,000

Dimensions in mm



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WBN-C 3000	3,920	1,340	1,455	2,100	2,700
WBN-C 4800	4,520	1,500	1,750	3,360	3,800
WBN-C 6000	4,820	1,600	1,860	4,200	4,400
WBN-C 8800	5,390	1,810	2,130	6,160	5,300
WBN-C 10500	5,630	1,910	2,160	7,350	6,900
WBN-C 15000	6,124	2,110	2,445	10,500	8,000

Dimensions in mm

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