



Unique Mixers & Furnaces Pvt. Ltd.

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Basic Technical Specifications For Ribbon Blender

Volume	Refer Capacity Table
Container Internal Dimensions	Refer Capacity Table
Mixer Container	'U' Shaped
Material of Construction (Options)	Product Contact, Non Contact Parts : <ul style="list-style-type: none">Carbon Steel Confirming to ASTM SA 36 / IS 2062ASTM SA 240 Gr. 304/ Gr. 316 / Special Alloy MaterialWear Resistant Liners can be provided for abrasive material
Jacket for Heat Transfer (Optional)	<ul style="list-style-type: none">Made from Carbon Steel Confirming to ASTM SA 36 / IS 2062; ASTM SA 240, Gr. 304.Standard Design Pressure: 4 kg/cm² (g)
Container Cover	<ul style="list-style-type: none">Flat cover with Nozzles as required. Bolted to the container top flange.
Nozzles	<ul style="list-style-type: none">Feed NozzleInspection NozzleAny other nozzles as required
Stand	Material of Construction – Structural Steel / Carbon Steel / Stainless Steel. Suitable to withstand dynamic load of blender
Surface Finish	<ul style="list-style-type: none">Internal Stainless Steel Surfaces are polished to 120 gritExternal Stainless Steel Surfaces are matt polished / glass bead blastedMild Steel Surfaces: Epoxy Painted / Synthetic Enamel Painted
Mixing Element	Double Helix Ribbons welded to the main shaft through spokes.
Bearing Housing	Bearing Housing made of Cast Iron Grade ASTM A-48 Grade 30 with suitable bearings. Generally Thrust Bearing for Axial load, Spherical Roller Bearing for Radial load
Stuffing Box	Two stage Sealing <ul style="list-style-type: none">First Stage – Hylem / Teflon SealSecond Stage – Pure Teflon Gland Packing
Drive	Standard <ul style="list-style-type: none">3 Phase, Non Flame Proof , Induction Motor, 415 V, 50 HzGearbox – Worm Reduction / Helical ReductionSuitable CouplingsConstant Speed Operation Optional <ul style="list-style-type: none">Geared MotorVariable Speed Operation using Variable Frequency Drive
Charging	Through Feed Nozzle
Discharging	Through centrally located Bottom Discharge Nozzle. Valve Options: <ul style="list-style-type: none">Flush BottomSlide Gate ValveButterfly ValveTo suit customer requirements
Electricals	Electrical Control Panel made from Carbon Steel, Powder Coated. Provided with suitable Control Devices, Indicators, Switch Gears, Overload Protection, Safety Interlocks.
Overall Dimension	Refer Capacity Table
Lab Equipment	Available in 5, 10 Liters Working Capacity
Optional Features	GMP Equipment, Multiple Discharge

Note: Specifications are for reference only and are subject to change without prior notice.