

# Powder Mixer: Beverage Options



## Better Blends in Less Time

Stop wasting your valuable time and money on outdated, oversized, or underperforming mixing systems. The Fristam Powder Mixer provides quick, thorough blending of wet and dry ingredients into a fluid stream. The Powder Mixer can also be configured for the beverage industry.

## Integrated System

Fristam's Powder Mixer incorporates the uniform powder induction of the FZX liquid ring pump and thorough blending of the FS Shear Blender into a single, compact system.

## Consistent Powder Induction

The FZX is unparalleled as a self-priming pump, easily pulling liquids and solids together. The table's full-port valve inducts powders fully, eliminates powder bridging and ensures maximum powder induction rate. Vacuum gauges monitor suction for repeatable results.

## Package Typical Features

- FZX liquid ring pump
- FS shear blender
- Arc valve
- Lid with gasket
- Drum unload port
- Liquid addition port
- Jug rinse tube
- FS bypass

## Optional PM Features

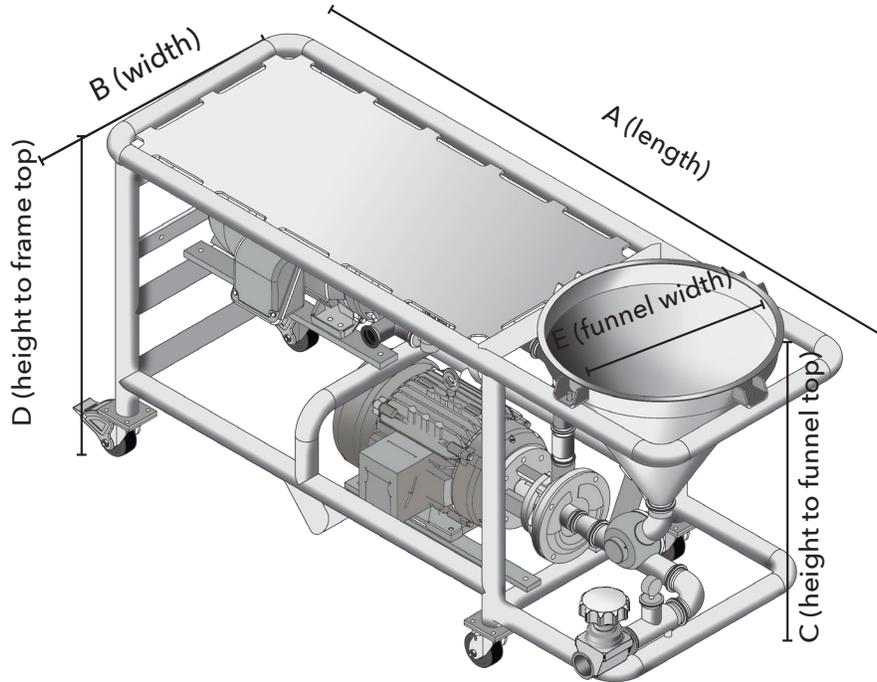
- Funnel vibrator: promotes powder flow
- Funnel screen: prevents foreign materials from entering the funnel
- Diaphragm inlet valve
- Double seals: for sticky or abrasive products



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# PM Dimensional Drawing



Model	FZX Model	FS Model	Inlet	Outlet	A	B	C	D	E
01-10	2010	712	1.5 (3.8)	1.5 (3.8)	56 (142)	30 (76.2)	36.5 (92.7)	34 (86.4)	12 (30.5)
10-52	2100	3522	2 (5.1)	2 (5.1)	71 (180)	30.5 (77.5)	40.5 (103)	38 (96.5)	24 (61)
15-52	2150	3532	2 (5.1)	2 (5.1)	71 (180)	30.5 (77.5)	41.5 (105)	38 (96.5)	24 (61)
20-53	2200	3532	2.5 (6.4)	2.5 (6.4)	83 (211)	30.5 (77.5)	41.5 (105)	39 (99.1)	24 (61)
25-53	2250	3532	2.5 (6.4)	2.5 (6.4)	83 (211)	30.5 (77.5)	41.5 (105)	39 (99.1)	24 (61)

All dimensions are in inches (centimeters).

# PM Induction/Flow Capacity

Powder Mixer Model	Liquid Flow Rate GPM (m <sup>3</sup> /hr)	Max. Induction Rate lbs/min (kg/min)			
		Sugar/Salt	Starch/WPC/ Cocoa	Pectin	Carbopol/ Xanthan
01-10	15 (3.4)	30 (13.6)	20 (9.1)	6 (2.7)	3 (1.4)
10-52	50 (11.4)	100 (45)	67 (30)	20 (9)	10 (4.5)
15-52	90 (20.4)	175 (79)	117 (53)	35 (16)	18 (8)
20-53	120 (27.3)	225 (102)	151 (69)	45 (20)	23 (10)
25-53	150 (34.1)	300 (136)	201 (91)	60 (27)	30 (13.6)
40-53*	250 (56.7)	500 (227)	335 (152)	100 (45)	50 (23)
40-53**	350 (79.5)	600 (272)	402 (182)	120 (54)	60 (27)

FZX-only Powder Mixers are available for highly soluble solids, such as sugar and salt.

\* PM 40-00 and FS 3532 with 1200 RPM 2400

\*\*PM 40-00 and FS 3532



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