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Mixing of:

- Cement slurries
- Binder slurries for insulating materials
- Bentonite slurries
- Anchor grout
- Fly ash slurries
- Anhydrite slurries
- Other solid-containing slurries (after technical clarification)

Technical Data / Performance Data*

Mixing capacity (10 batches/h)	1,0	m ³ /h
Effective mixer volume.	40 - 100	l
Mixing water minimum, approx.	40	l
Mixer filling height, approx.	1070	mm (above pedestal)
Solids grain size	max. 2	mm
Mixing components	5	2 liquids (clear and recycled water) 2 solids 1 additive (liquefier, liquid)
Water connection	2 x Storz C	1 1/2 " standard coupling DIN 14307, max. 6 bar
Cleaning connection	DN 25	Geka coupling
Mixer outlet	2 x DN 65	Pneumatic butterfly valve
Clear water dosage	gravimetric	Rough/fine dosage (mixer scale)
Recycled water dosage	gravimetric	Rough dosage (mixer scale)
Solid(s) dosage - silo	gravimetric	Rough/fine dosage (mixer scale + screw conveyor speed regulation)
Solid(s) dosage - bags	manually	mechn. Modification to bag emptying grid (no parallel silo operation)
Liquid additive dosage	volumetric	Inductive measurement
Pressurized air connection	NW 7,2	Plug DIN EN ISO 228-1; 6 bar
Electric power connection	CEE-Plug	16 A, 5-pole
Power intake	6	kW
Voltage	400	V; 50 Hz
Dimensions	1200x800x2180	m (L x W x H)
Weight approx.	375	kg

)* The specified performance data are non-binding values that differ significantly depending on dosing, mixing and discharge times.

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Description:

The automatic Batch Intensive Mixer CIM-100-EA is a compact mixer for the production of colloidally distributed slurries. It is particularly suitable for mixing bentonite and cement slurries, binder slurries for insulation, or other solid-containing slurries.

Features:

- ✓ **Batch mixer** 40-100 l effective volume (colloidal mixer); mixing container made of stainless steel,
Fast-running speed-controlled colloidal mixing wheel (frequency converter);
Additional speed-controlled agitator (frequency converter) in the mixing tank;
Cleaning lid with safety switch;
Mixer mounted on 3 sturdy load cells;
Temperature sensor for roughly measuring the slurry temperature;
2 x Emptying line with pneumatic butterfly valve
- ✓ **Clear water dosage** automatic rough/fine dosage by pneumatic valves
- ✓ **Recycled water dosage** automatic rough dosage by pneumatic valve
- ✓ **Bag emptying grid** (optional) loose (mechan. Modification necessary)
- ✓ **Additive dosage** (1 pc.) for liquid additives incl. inductive flow meter and pneumatic valve
- ✓ **Simple dust removal**
- ✓ **Main frame** with working pedestal
- ✓ **Electric function and power control**
 - * Main switch On/Off
 - * Emergency stop button
 - * Switch Mixer On/Off
 - * Switch Agitator On/Off
 - * Potentiometer [0-100%] Mixer speed
 - * Potentiometer [0-100%] Agitator speed
 - * Switch Emptying line 1/2
 - * Switch Emptying On/Off
 - * Button quit disturbance
 - * Switch Service/Automatic mode
 - * Display/Touch Panel to visualize:
 - Plant/Mixer visualization
 - operational state mixer
 - Actual weight mixer/Target weights mixing components
 - Mixer speed (%)
 - Agitator speed (%)
 - Recipe management
 - Mixing instructions (sequence control)
 - Batch protocol (target/actual comparison mixing components)
 - Service and machine parameters
 - Remote Access Service by WiFi or customer provided SIM card

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