

# FlowMixer™



The FlowMixer™ is a high-performance benchtop mixing solution optimized for single-use applications in bioprocessing. Engineered for precision and efficiency, FlowMixer™ supports a range of critical processes, including media and buffer formulation, intermediate processing, drug substance purification, and drug product formulation.

Utilizing advanced magnetic mixing technology, FlowMixer™ delivers exceptional performance in blending powders and viscous products with reliability and reproducibility. Each unit can control up to three independent mixing bases, providing unparalleled flexibility in laboratory and cGMP production environments.

Measurement options include temperature and pH monitoring for enhanced process control. Additional features such as load cells for weighing and stainless-steel jackets for heat exchange can be integrated upon request, ensuring adaptability to diverse processing needs.

**MODEL AVAILABLE (CAPACITY):**  
**Benchtop Mixer (500 mL - 30 L)**



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## SCALABILITY AND EASE OF USE FOR ALL MIXING APPLICATIONS

CCG's high-performance mixing technology is available from 500 mL to 30 L allowing for flexibility and scalability for every mixing process step. Each mixer features an integrated drive unit with 13" touchscreen for ease of use. Load cells for weighing are standard along with the integrated drive unit. Optional features include temperature, pH, and jacketed tote.

### A benchtop mixer for liquid-liquid and liquid-solid mixing from 500 mL to 30 L for cGMP

- ◆ Standard automation modules for mixing and weighing
- ◆ Optional modules for pH monitoring and temperature are available
- ◆ HMI touchscreen and user-friendly software for automated control of modules, user permissions, password management, trends, alarm and calibration, audit trail
- ◆ Install bag and start processing in minutes

DESCRIPTION	SPECIFICATION
<b>Table Contents</b>	<b>Material of Construction</b>
Mixer Drive Base	ABS
Mixer Tank Holder	Polypropylene and Polycarbonate
Nominal Mixing Volumes	2 L   5 L   10 L   20 L   30 L
Impeller Range	0 to 500 RPM
Controller Footprint (L x W)	16 x 11 in. (405 x 280mm)
Base Footprint (L x W)	16 x 16 in. (400 x 400mm)
Height	22 in. (550 mm)
Weight	35 lbs
Voltage	110-220 VAC
Current	4 Amp
Power	480 Watts
Operating Temperature	0°C to 60°C



FLOWMIXER™ WITH HMI TOUCHSCREEN



WEIGHING MEASUREMENT & CONTROL VIA LOADCELL

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## BENCHTOP MIXER AND SENSORS:

PART NUMBER	DESCRIPTION
CCGSUM-BCU-V1	FlowMixer™ Controller, 2-30L
CCGSUM-BMB-V1	FlowMixer™ Drive Base, 2-30L
CCGSUM-BTA-C-CB	Cable, Controller to Drive Base
CCGSUM-BTA-C-PCUS	FlowMixer™ Power Cable, US
CCGSUM-BTA-C-PCEU	FlowMixer™ Power Cable, EU
CCGSUM-BTA-C-PCUK	FlowMixer™ Power Cable, UK
CCGSUM-BTA-S-MTPH	Mettler Toledo pH Sensor
CCGSUM-BTA-T-MTPH	Mettler Toledo pH Sensor Transmitter
CCGSUM-BTA-C-MTPH	pH Sensor Cable
CCGSUM-BTA-S-TP	Temperature Probe
CCGSUM-BTA-C-TP	Temperature Probe Cable

## TEMPERATURE CONTROL UNIT:

PART NUMBER	DESCRIPTION
00130988	LAUDA Pro RP 240 E TCU Cooling Heating Circulator 208-220 V; 60 Hz
00132036	LRZ 932 Profinet Module Advanced

## BAG TOTE:

PART NUMBER	DESCRIPTION
CCGSUM-BTA-2LT-PP	2L PP Bag Tote
CCGSUM-BTA-5LT-PP	5L PP Bag Tote
CCGSUM-BTA-10LT-PP	10L PP Bag Tote
CCGSUM-BTA-20LT-PP	20L PP Bag Tote
CCGSUM-BTA-30LT-PP	30L PP Bag Tote
CCGSUM-BTA-2LT-SS	2L SS Jacketed Tote
CCGSUM-BTA-5LT-SS	5L SS Jacketed Tote
CCGSUM-BTA-10LT-SS	10L SS Jacketed Tote
CCGSUM-BTA-20LT-SS	20L SS Jacketed Tote
CCGSUM-BTA-30LT-SS	30L SS Jacketed Tote