

Product Information Dispensing Cell DC-VAC

Innovative Material Processing –
Vacuum Casting for demanding materials



Mixing-head with scale ▷



3-chamber system for integration in automatic production lines ▷



Your advantages

- » Flow rate range 0.2–15 g/s (depending on mixing system)
- » Precise metering via gear pumps or piston pumps
- » Constant material quality by material recirculation through the mixing system
- » Vacuum chamber for standard part carriers up to 320 x 320 mm
- » Various options for process monitoring
- » Graphic process overview in connection with optional OP08/012 colour display
- » Integrated recipe management



Dispensing Cell DC-VAC

Product details

The vacuum dispensing cell DC-VAC is designed for dispensing of 1K and 2K casting resins. The cell is equipped with material conditioning under vacuum and the dynamic mixing system MS-C. The vacuum chamber has large windows to check and adjust the encapsulation process. Various monitoring options allow for full process control. The vacuum chamber can be designed for manual or automatic part loading.



Technical Data (subject to change)

Dispensing capacity, Mixing ratio, Number of compents, etc.	Depending on installed mixing system
Weight	app. 1200 kg
Repeatability	< 0.1 mm (ISO 9283)
Control	Siemens Sinumerik 810D with OP08
Stroke of axis (X-Y-Z)	320 x 320 x 50 mm inside the chamber
Max. speed	24 m/min
Time to evacuate chamber	app. 15 s (at 100 mbar)
Dispensing programs	99
Electrical supply	3 x 400 V/50 Hz; 32 A
Electrical consumption	app. 15 kw
Compressed air supply	> 5 bar at max. 800 l/min
Compressed air consumption	5–20 l/min

Options (more upon request)

- » High pressure solvent rinse or high pressure water rinse system
- » Barrel transfer station with agitator
- » Material recirculation inside the tank
- » Different agitator geometries available
- » Temperature controlled material hoses and tanks
- » 3-chamber system for integration in automatic production lines
- » Vacuum chamber with 400 x 400 x 50 mm
- » Piston dispensing system for abrasive materials
- » Process monitoring of: component pressure, tank level, vacuum level, shot-weight through automatic scale
- » Tele-service
- » Colour display OP08/012 on swivel arm
- » Integration into all common production lines via digital I/O interface or profibus

Headquarters
RAMPF Dosiertechnik GmbH & Co. KG
Römerallee 14
D-78658 Zimmern o. R.

T +49 (0) 741 2902-0
F +49 (0) 741 2902-2100
E info@rampf-dosiertechnik.de
www.rampf-dosiertechnik.de



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