Technical Data Sheet

n. 03 [February 2023]

Automatic Dispensers

COROB MODULA VG

Volumetric and Gravimetric

BASE DISPENSER FEATURES	
Dispensing technology	Hybrid: BPG (bellows), Gear or in combination
Dispensing flow	Volumetric: Simultaneous/Gravimetric: Sequential
Dispensing displacement	External
Canister configuration*	Internal: Up to 32 - External: Up to 10
Canister sizes [l] (q-G)	3 (3 q) / 4 (4 q) / 6 (6 q) / 9 (9.5 q) / 15 (4 G) / 20 (5.3 G) / 35 (9.2 G) / 90 (24 G) [according to modules]
Canister material	POM (Acetalic resin) and Stainless steel
Canister stirring	Pre-set [variable timing function available]
Pump type	Single drive pumps: [BPG] STD size; [Gear] MTRXs STD size
Circuit flow rate [l/min]**	Internal: [BPG] HF 0.4; [Gear] HF 1.0 - STD 0.5 - LAB 0.16 / External: [AODD] up to 20
Minimum dispensed quantity [fl.oz.] (cc)**	STD 1/768 (0.039) - HF 1/384 (0.077) - LAB 1/1152 (0.026) / AODD: 1 gr
Valve type	COROB 3-way electric valve: DN04/DN05 (volumetric system) - DN15 (gravimetric system)
Nozzle closure system	Automatic cap
Electronic generation/type	5G integrated with PLC
Colorant base compatibility	Decorative and Industrial: Water [w], Universal and Solvent [s]
Can hadling type	Idle adjustable height roll conveyor with integrated weighing unit

DISPENSER VERSIONS	
Panels	Sheet metal
External modules add-ons	Yes
Available versions	-

CAN HANDLING FEATURES***	
Minimum can height [mm] (in)	70 (2.8)
Maximum can height [mm] (in)	450 (17.7)
Minimum can diameter [mm] (in)	100 (3.9) / 150 (5.9) for VG-SIM dispensing
Maximum can diameter [mm] (in)	360 (14.2)
Minimum hole diameter [mm] (in)	54 (2.1)

POWER SUPPLY / MACHINE ENVIRONMENT	
Power supply [V]	Single phase 100 - 240 ±10% / Tri-phase 380-400 ±10% [optional]
Frequency [Hz]	50/60
Fuses [A]	F 10 A
Maximum power absorption [W]	1000 (based on the configuration)
Working temperature [Celsius] (Fahrenheit)	From 10° to 40° (50° to 104°)
Relative humidity	From 5% to 85% (without condensation)
Certification	CE / ETL [optional] / Explosion proof [optional]

DISPENSER DIMENSIONS	
Length [mm] (in)	1700 (67) [center frame + 2 modules]
Depth [mm] (in)	1450 (57)
Height [mm] (in)	1410 (55.5)
Footprint [m^2] (ft^2)	2.41 (26)

EQUIPMENT FEATURES	
COROB VG-SIM module (high productivity dispensing system)	Optional
Floor scale (for batch production)	Optional
Raised dispensing head	Optional
Idle fixed height roll conveyor	-
Double dispensing head	-
Integrated Nozzle Valve [INV] (with re-circulation)	-
Laser BHL	Optional
External heater	Optional

* The bigger size canisters reduce the maximum canister number possible.
** Values highly affected by the nature of the colorants and their rheological properties.
*** IMPORTANT: most machine and paint can dimensions refer to the basic machine model. Options and alternative devices can change these values. Please check with your local sales representative or contact one of COROB's offices.
Take note: data refers to base configuration machine, figures may vary according to different specifications.

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Automatic Dispensers

COROB MODULA V

Volumetric

BASE DISPENSER FEATURES	
Dispensing technology	Hybrid: BPG (bellows), Gear or in combination
Dispensing flow	Simultaneous
Dispensing displacement	External
Canister configuration*	Up to 32
Canister sizes [l] (q-G)	3 (3 q) / 4 (4 q) / 6 (6 q) / 9 (9.5 q) / 15 (4 G) / 20 (5.3 G) / 35 (9.2 G) / 90 (24 G) [according to modules]
Canister material	POM (Acetalic resin) and Stainless steel
Canister stirring	Pre-set [variable timing function available]
Pump type	Single drive pumps: [BPG] STD size; [Gear] MTRXs STD size
Circuit flow rate [l/min]**	[BPG] HF 0.4; [Gear] STD 0.5 - HF 1.0 - LAB 0.16
Minimum dispensed quantity [fl.oz.] (cc)**	STD 1/768 (0.039) - HF 1/384 (0.077) - LAB 1/1152 (0.026)
Valve type	COROB 3-way electric valve or Integrated Nozzle Valve [INV] (with re-circulation)
Nozzle closure system	Automatic cap
Electronic generation/type	Trigen or 5G
Colorant base compatibility	Decorative and Industrial: Water [w], Universal and Solvent [s]
Can hadling type	none
DISPENSER VERSIONS	
Panels	Sheet metal
External modules add-ons	Yes
Available versions	-
CAN HANDLING FEATURES* **	
Minimum can height [mm] (in)	70 (2.8)
Maximum can height [mm] (in)	450 (17.7)
Minimum can diameter [mm] (in)	100 (3.9)
Maximum can diameter [mm] (in)	360 (14.2)
Minimum hole diameter [mm] (in)	54 (2.1)
POWER SUPPLY / MACHINE ENVIRONMENT	
Power supply [V]	Single phase 100 - 240 ±10%
Frequency [Hz]	50/60
Fuses [A]	F 10 A
Maximum power absorption [W]	1000 (based on the configuration)
Working temperature [Celsius] (Fahrenheit)	From 10° to 40° (50° to 104°)
Relative humidity	From 5% to 85% (without condensation)
Certification	CE / ETL [optional] / Explosion proof [optional]
DISPENSER DIMENSIONS	
Length [mm] (in)	1400 (55.1) [center frame + 2 modules]
Depth [mm] (in)	1350 (53.1)
Height [mm] (in)	1210 (47.6)
Footprint [m^2] (ft^2)	1.89 (20.34)
EQUIPMENT FEATURES	
COROB VG-SIM module (high productivity dispensing system)	-
Floor scale (for batch production)	-
Raised dispensing head	Optional
Idle fixed height roll conveyor	Optional
Double dispensing head	Optional
Integrated Nozzle Valve [INV] (with re-circulation)	Optional
Laser BHL	Optional
External heater	Optional

* The bigger size canisters reduce the maximum canister number possible.
** Values highly affected by the nature of the colorants and their rheological properties.
*** IMPORTANT: most machine and paint can dimensions refer to the basic machine model. Options and alternative devices can change these values. Please check with your local sales representative or contact one of COROB's offices.
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