



**COROB™**  
color engineering

## COROB™ D600 | D600 EXTRA

The ultimate configurable performance automatic dispenser

**DISPENSERS**

# COROB™ D600 | D600 EXTRA

The ultimate configurable performance automatic dispenser  
Gear pump technology

Meeting the most demanding requirements, the COROB™ D600 gear pump dispenser offers you speed and flexibility in a state-of-the-art dispensing solution for tinting medium to high paint volumes. The unique modular approach of the COROB™ D600 family now gives you the choice of multiple configurations of canisters in different shapes and sizes.

- Performance & productivity.
- Many configuration possibilities.
- Wide selection of canisters and pumps.

## BUSINESS ENVIRONMENT

The selection of frames styles (internal head [IH] or external head [EH]) with the choice of the plastic or full metal finish make this unit a true partner for the most demanding working environments: from professional stores all the way up to high production turnover paint distribution centers.

## PERFORMANCE

Patented pumps with ceramic components have been heavily tested in the field with the latest generations of VOC (Volatile Organic Compound) colorants. All test results confirm extremely reduced wear and tear, significantly reducing the need for maintenance. From partly stainless steel parts, through fully stainless steel combinations to next-generation fully ceramic pumps that will last a lifetime, they are available in a range of sizes to meet the needs of different uses.

The three pump sizes to choose among guarantee a full spectrum of performance needs: from the LAB size, or the standard STD 0,5 liter/min up to the high performance HF 1 liter/min type. This means being able to dispense even up to 8 liter/min of colorant.



## MODULAR CONFIGURABILITY & PRODUCTIVITY

The modular design of this dispenser allows to configure it according to the tinting system you use, with up to 24 circuits. A complete set of available modules to choose from means that the layout of this dispenser can be adapted to meet every possible need, from the standard two module configuration to more complex setups. The refilling height of 1110 cm [43.7 in] ensures ease of use at waist level, and can accommodate many types of acetalic resin or stainless steel canisters, so that the use of the circuits can be adapted to different colorant technologies and production volumes.

## ERGONOMICS & CAN HANDLING

The default electrical shelf guarantees a simple moving operation of the cans, and with the addition of the roll conveyors it is possible to create a small in-line production flow. The optional BHL laser locator facilitates the centering of the cans and the default safety switches on the moving parts of the shelf area deliver the operator a safe.

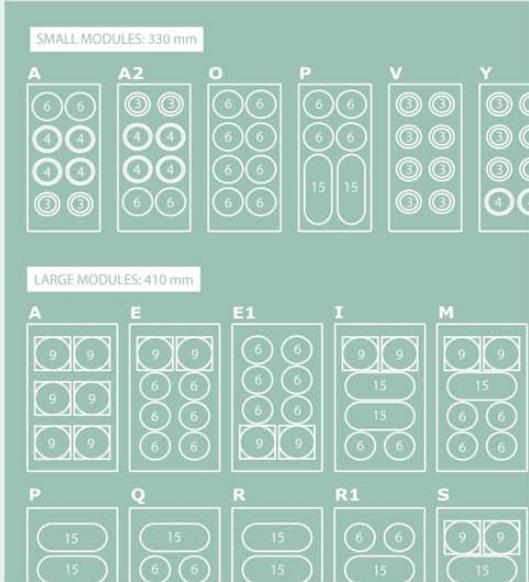
## SERVING A WIDE RANGE OF COLORANT APPLICATIONS

The active humidifier system for water borne colorants is an option that, in combination with the standard automatic cap, improves the colorant behavior in the nozzle area and contributes to a longer and carefree life for the dispenser.

The special combinations of materials for the canisters, and the optional lids in stainless steel are suitable to handle even the most difficult solvent applications.



The **D600 EXTRA** version builds on the single driven transmission for each pumping group, combined to the 4G electronics management control system. The possibility to drive each circuit means tailoring the drop shot and controlling the stirring and recirculation time to best suit the colorant. With a reduced movement of the pumps, there are also significant impacts on the need to change less parts over time.



The large selection of templates allow to fit canister sizes that best match the productivity needs of each paint center.



In the central head section are allocated the buttons for controlling the electrical shelf or the puncher when available.



The sturdy top working lids give access to the refilling of the canister area, with an ideal height of only 1110 mm.



Optional foldable roll conveyors create an 'in-line' can flow, useful when using bigger pails and when productivity is key to business.



**PERFORMANCE**

An incredible 4 liter/min [135 fl.oz.] dispense capability, expandable up to 8 liter/min [270 fl.oz.] for an unbeatable speed.



**PRODUCTIVITY**

Wide selection of canister sizes and the possibility to add can handling roll conveyors for creating a small in-line flow.



**LOW-NO VOC COLORANT HANDLING**

Special materials for the circuits and the pumps, matched to an effective active water humidifier avoid typical drying and reduce the need for daily operations.



**OPERATOR FRIENDLY**

Accessibility to the interior area of the machine is facilitated by panels that are removed with few steps, and the low top working area suit all operator heights.

## OPTIONS

Semi-Automatic puncher, external roll conveyors (foldable and stand-alone), active humidifier, heater, laser BHL, pipes for high viscosity colorants.

## QUICK GUIDE

BUSINESS ENVIRONMENT	DISPENSER	VOLUME OUTPUT	LAYOUT	CANISTERS	DISPENSE SYSTEM	COLORANT COMPATIBILITY	FOOTPRINT
<ul style="list-style-type: none"> <li>■ DIY</li> <li>■ Professional paint stores</li> </ul>	Automatic	High	Static	Up to 24	Simultaneous	<ul style="list-style-type: none"> <li>■ Water</li> <li>■ Universal</li> <li>■ Solvent</li> </ul>	<ul style="list-style-type: none"> <li>■ 0,96 m<sup>2</sup> [IH]</li> <li>■ 1,19 m<sup>2</sup> [EH]</li> <li>[2 module unit]</li> </ul>

## D600 | D600 EXTRA

IH [VL - Metal sheet] [VP - ABS Plastic]	EXTRA IH [VL - Metal sheet] [VP - ABS Plastic]	EH [VL - Metal sheet] [VP - ABS Plastic]	EXTRA EH [VL - Metal sheet] [VP - ABS Plastic]
--	--	--	--

### Base dispenser features

Dispensing technology	Gear pump			
Dispensing flow	Simultaneous			
Canister configuration	Up to 24			
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) [according to modules]			
Canister material	POM (Acetatic resin) / Stainless steel for 20			
Circuit flow rate [l/min]*	0,5 [STD] - 1,0 [HF] - 0,16 [LAB]			
Minimum dispensed quantity [fl.oz.] (cc)*	1/384 (0,077) [STD] - 1/192 (0,154) [HF] - 1/1152 (0,026) [LAB]			
Valve type	COROB 3-way electric valve (with re-circulation)			
Nozzle closure system	Automatic cap			
Pump type	CRXs	MTRXs (SDP Single Driving Pumps)	CRXs	MTRXs (SDP Single Driving Pumps)
Electronic generation/type	Trigen	4G	Trigen	4G
Colorant base compatibility	Decorative and Industrial: Water, Universal and Solvent			
Shelf type	Automatic	Automatic	Semi-Automatic	Semi-Automatic

### Can handling features

Minimum can height [mm] (in)	61,5 (2.4) - 130 (5.1) [w/ Puncher]		70 (2.8) - 130 (5.1) [w/ Puncher]	
Maximum can height [mm] (in)	405 (15.9) - 345 (13.6) [w/ Puncher]		505 (19.9) - 450 (17.7) [w/ Puncher]	
Minimum can diameter [mm] (in)	60 (2.4) - 100 (3.9) [w/ Puncher]			
Maximum can diameter [mm] (in)	340 (13.4) - 320 (12.6) [w/ Puncher]		235 (9.3) [w/ hole in the center] - 360 (14.2) [w/ hole not in the center]	
Minimum hole diameter [mm] (in)	43 (1.7) [up to 16c] - 54 (2.1) [17-20c] - 60 (2.4) [21-24c]			

### Power supply / Machine environment

Power supply [V] - Frequency [Hz]	Single 100-110 / 220-240 ± 10% -50 / 60	Single 100-240 ± 10% -50 / 60	Single 100-110 / 220-240 ± 10% -50 / 60	Single 100-240 ± 10% -50 / 60
Maximum power absorption [W]	650	500	650	500

### Dispenser dimensions

Length [mm] (in)	1070 (42.1) [center frame+2 modules] - Extra add-on modules: 330 (13) small / 410 (16.1) large			
Depth [mm] (in)	876 (34.5) [VL] / 898 (35.4) [VP]		876 (34.5) [VL w/o shelf] / 898 (35.4) [VP w/o shelf] / 1108 (43.6) [VL-VP w/ shelf]	
Height [mm] (in)	1190 (46.9)			
Footprint [m²] (ft²)	0,96 (10.3)		0,96 (10.3) [w/o shelf] / 1,19 (12.8) [w/ shelf]	
Machine Weight [kg] (lbs)	290 (639) [16c] - 350 (772) [24c]			

### Certification

CE / UL



## ABOUT COROB

Headquartered in San Felice sul Panaro, Italy, COROB is one of the world's leading supplier of advanced tinting equipment for the global paints and coatings industry. COROB offers a complete range of point-of-sales equipment from entry-level to high-performance dispensers, as well as mixers and shakers. In addition, COROB supplies complete In-Plant tinting systems and advanced self-service vending solutions. COROB offering is supported globally by a highly recognized Service Partner network.

For further information, please visit:  
[www.corob.com](http://www.corob.com)



## SERVICE NETWORK

The global Service and Partner network is a true asset to our customers, making the deployment and servicing of COROB™ equipment a true hassle free activity. Professional and extensively trained Customer Service Representatives deliver technical support, installations and on-site operator training. Extended warranty and preventive maintenance programs are offered to extend the life cycle of your equipment and optimize performances.

\* Values highly affected by the nature of the colorants and their rheological properties.  
Data refers to base configuration machine, figures may vary according to different specifications.