

AUTOMATED FREEZERS

SMARTFREEZER® EVO

Model	SMARTFREEZER® EVO	
	V 180.10	V 180.20
Storage capacity (n°)	19.170 + 201 ⁽¹⁾	11.430 + 201
Type of vial (ml)	0,5 / 1	2
Vial identification	Bar Code / Dot Code	
Speed to load and un-load (s/vial)	20	
External dimension (mm)	1460x890x1980 ⁽²⁾	
Working temperature range (°C)	From -180 °C to -155 °C	
Dry System	Yes ⁽³⁾	
Refrigeration plant	Liquid nitrogen	
Supply voltage (V)	230Vac, 50Hz	
Absorbed power (VA)	500	
LN ₂ consumption (lt/day)	15 to 20 ⁽⁴⁾	
Temperature backup	Auto-backup ⁽⁵⁾	
Uninterruptible power supply	Yes	
Pneumatic backup system	Yes	
Remote alarm	Yes ⁽⁶⁾	
Ports	Ethernet RS485	

1) 19.170 + 201 vials of 1ml using the buffer disk for clinical purpose

2) Cover on the top of the machine for external automation needed at installation. Height after installation is 2650 mm for v180.10, v180.20.

3) A device that produces dry air with a very low dew point.

4) This consumption value is related only to Smartfreezer® EVO itself, this value doesn't take into consideration LN₂ losses due to customer pipeline or mobile cylinder sometimes used to refill Smartfreezer® EVO.

5) Temperature can be kept for at least 48 hours without supplying liquid nitrogen.

6) Normally Closed/Normally Open dry contacts (230 Vac / 1A max).