

Material Management System

Absolute Process Control



Material Management System

SPECIFICATION SHEET

Date / Revised: 10.11.2023 Version No.: 1.0

DIVERTIONS Dryer dimensions (WxDxH): 3 chambers: 850 × 850 × 740 cmm (33.4 & 24.80 × 88.50 in)			
B chamber: 1560 x 1740 mm (61.42 x 42.91 x 88.90 in)	DIMENSIONS	Dryer dimensions (WxDxH):	
Storage temperature: \$20-545 (-68-128) 2*F) relative humidity 10% to 85% w/o condensation Required connection [USA]: \$3 chambers: 1 ph 20 A Nama L6-20 plug 6 chambers: 2xplug 1ph 20 A Nema L6-20 plug Power cable length: \$200 mm (86.61 in) Voltage: \$3 chambers: 230 VAC (210-250 VAC) 6 chambers: 2x20 VAC (210-250 VAC) 7 chambers: 2x20 VAC (210-250 VAC) 8 chambers: 2x20 VAC (210-250 VAC) 9 chambers: 2x20 VAC (210-250 VAC) 1 chambers: 2x20 VAC (210-250 VAC)		Max. dimensions with open door [WxDxH):	·
POWER Required connection (USA): 3 chambers: 1 ph 20 A Nema L6-20 plug 6 chembers: 2 kplug 1ph 20 A Nema L6-20 plug Power cable length: 2200 mm (86.61 in) Voltage: 3 chambers: 2820 VAC (210-250 VAC) Frequency: 50-80 Hz Max, power consumption of the device without additional accessories. 3 chambers: 3830 VAC (210-250 VAC) Frequency: Max, power consumption of the device without additional accessories. 4 chambers: 3830 VAC 6 chambers: 7300 W TEMPERATURES Operating temperature range: 50°C-200°C (122-392°F) CONNECTION Communication: WiFi, LAN, USB Drying chamber space [WXDxH]: 470 × 260 × 320mm (18.50 × 10.23 × 12.59 in) Drying chamber space [WXDxH]: 470 × 260 × 320mm (18.50 × 10.23 × 12.59 in) Number of material slots in one chamber: 4 (unlimited in the CUSTOM option) Number of chambers in the dryer: Depending on version (3 or 6 chambers) Maximum filament spool diameter: 220 mm (8.68 in) Maximum filament spool diameter: Prind party materials: Predefined / Edition in the CUSTOM option Prind party materials: Predefined / Edition in the CUSTOM option Prind party materials: Predefined / Edition in the CUSTOM option Prind party materials: Predefined / Edition in the CUSTOM option Prind party materials: Predefined / Edition in the CUSTOM option Prind party materials: Predefined / Edition in the Custom option Prind party materials: Predefined / Edition in the Custom option Predefined / Edition in	ENVIRONMENT	Working temperature:	
B chambers: 2plug 1ph 20 A Nama L6-20 plug		Storage temperature:	
Voltage: 3 chambers: 230 VAC (210-250 VAC) Frequency: 50-60 H2 Max. power consumption of the device without additional accessories: 3 chambers: 24230 VAC (210-250 VAC) Max. power consumption of the device without additional accessories: 3 chambers: 3680 W 6 chambers: 7300 W 7 communication: WiFI, LAN, USB Derating temperature range: 50°C-200°C (122-392°F) CONNECTION Operating technology: Dry air (actively dried) Drying chamber space [WxDxH]: 470 × 260 × 320mm (18.50 x 10.23 x 12.59 in) Drying chamber space [WxDxH]: 470 × 260 × 320mm (18.50 x 10.23 x 12.59 in) Drying chamber volume: 39.1 L (2386.02 in²) Number of material slots in one chamber: 4 (unlimited in the CUSTOM option) Number of chambers in the dryer: Depending on version (3 or 6 chambers) Maximum filament spool diameter: 220 mm (8.66 in) Maximum filament spool diameter: 220 mm (8.66 in) Maximum filament spool diameter: Smart Material Manager Third party materials: Yes, in the CUSTOM option Drying process settings: Predefined / Edition in the CUSTOM option Recrystallization process settings: Predefined Device monitoring and archiving: Locally and 3DGence CONNECT Software updates: Automatic, via USB and internet CONSTRUCTION Construction: Freestanding, equipped with castor wheels Frame: Steel Dors: Sealed/Thermally Insulated Electronics: 3DGence NFC TAG Reader: Yes, on the front of the device Display: 10" TFT capacitive display with 1280 x 768 px resolution SAFETY Doors: Mechanical lock with key, door opening sensor, over temperature protection acc. to DIN 12880 class 1.0, class 3.1 ACCESSORIES Print recrystalization kit (optional) Drying agent cartridges (one for each drying chamber) UFFI adaptor	POWER	Required connection [USA]:	
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NFC TAG Reader: Display: 10" TFT capacitive display with 1280 x 768 px resolution SAFETY Doors: Mechanical lock with key, door opening sensor, over temperature protection acc. to DIN 12880 class 1.0, class 3.1 ACCESSORIES Print recrystalization kit (optional) Drying agent cartridges (one for each drying chamber) Drawers for storing materials in the drying chamber (one for each drying chamber) WiFi adaptor		Doors:	Sealed/Thermally Insulated
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	ACCESSORIES	Drying agent cartridges (one for each drying chamber) Drawers for storing materials in the drying chamber (one for each drying chamber) WiFi adaptor	

AMERICA

3DGence America Inc. Dallas, Texas, USA

+1.855.466.3813 inquiries@3dgence.com

EUROPE

+49 6157 9118972

cs@3dgence.com

3DGence GmbH, Gradignanstraße 4 64319 Pfungstadt, Germany 3DGence sp. z o.o. Graniczna 66 44-178 Przyszowice, Poland

+48 32 438 98 63 cs@3dgence.com

