



TECHNICAL REPORT

XPro V12 510 Thread Vaporizing Cartridge

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This technical report was prepared pursuant to the State of Ohio Medical Marijuana Control Program.

Reviewed and prepared by:
NMG OH P1, LLC

Property address

719 Sugar Ln.
Elyria, Ohio 44035

Mailing address

2625 N. Green Valley Pkwy.
Ste 150
Henderson, NV 89014

Overview

NMG OH P1, LLC respectfully requests approval to sell the XPro V12 510 Thread Vaporizing Cartridge filled with medical marijuana concentrate to qualified licensees. Upon approval, the XPro V12 510 Thread Vaporizing Cartridge with the Puffmod Magnetic Ring Adapter attached will be sold to qualified licensees and will only function if the qualified patient connects the unit to a Puffmod Battery, which regulates the metered dosing requirements to no more than the maximum per dose. The cartridge will be packaged with medical marijuana oil in increments that contain no more than 590 mg of THC with a +/- 10% variance.

This technical report provides details on (1) the XPro V12 510 Thread Vaporizing Cartridge; (2) the Puffmod Magnet Ring Adapter; (3) the Puffmod Battery; and (4) how all the devices work together to fulfill the metered dosing requirements and enable a responsible patient to intuitively determine how much of the product constitutes a single dose.

XPro V12 510 Thread Vaporizing Cartridge

Product Details

<u>Product Detail</u>	<u>Description</u>
Product Name:	XPro-V12 510 Thread Cartridge
Product IDs:	310.900.200; 310.900.201; 310.900.202; 310.900.203; 310.900.204; 310.900.205; 310.900.206; 310.900.207; 310.900.208; 310.900.209; 310.900.210; 310.900.211; 310.900.212; 310.900.213; 310.900.214; 310.900.215; 310.900.216; 310.900.217; 310.900.218; 310.900.219; 310.900.220; 310.900.221; 310.900.222
Product HS code:	854390
Manufacturer:	Shenzhen Smiss Technology Co., Ltd.
Distributor:	The Blinc Group, Inc.

<u>Checkpoint</u>	<u>Description</u>
Cartridge Materials:	Quartz glass, leach-free brass / Quartz glass, SUS 304
Weight:	9-13 g
Dimensions:	4.75 - 6.23cm, ø1.05cm
Volume:	0.3ml, 0.5ml, 1ml
Resistance:	1.2Ω
Intake hole size:	4 / 2.0mm
Coil:	XPro-V ceramic
Thread:	510 thread
Color:	Polished silver
Mouthpiece material:	Ceramic/metal
Mouthpiece shape:	Tapered flat/flute/bullet
Mouthpiece color:	White / black / silver
Airflow:	Bottom
Filling method:	Top fill
Closing method:	Push-lock or screw on
Packing:	Top and bottom unassembled. In foam. Box of 100 pieces.
Certification:	RoHS, Components List, MSDS
Heavy metal testing:	Pass

Functionality



The XPro V12 510 Thread Vaporizing Cartridge was approved by the State of Ohio Medical Marijuana Control Program as a compliant device. The cartridge is designed to hold medical marijuana THC oil and be used for vaporization by qualified patients. It can only be consumed when the cartridge is securely attached to a Puffmod Magnetic Ring Adapter and inserted into to a Puffmod Battery, which regulates the heating component and metered dosing requirements. The “510” refers to the size of the cartridge, which contains ten threads that are .5mm apart from each other.

Coil Technology

The cartridge is designed with intake holes, ceramic coil, and heating wire. The intake holes are facilitated by the air draw, where the cannabis concentrate enters intake holes in the center of the cartridge. The ceramic coil is wrapped by a thin layer of organic cotton which immediately absorbs the medical marijuana concentrate and reduces the pace to turn it into an acceptable form of vapor. The heating wire is made of stainless steel and is embedded inside of the ceramic coil, so it never comes into direct contact with the medical marijuana concentrate.

Regulatory and Compliance

The XPro V12 510 Thread Vaporizing Cartridge is manufactured at an ISO 9001-2015 and GMP certified facility and regularly tested for heavy metals and categorized as compliant with AQL General Inspection Level II. The cartridge also holds an RoHS certification and REACH test reports for the ceramic mouthpiece. Tested by certified third-party laboratories, the cartridge complies with the following regulatory standards and requirements:

- 21 CFR Sec. 177.2600 (silicone)
- CPG Sec. 545.400 and 545.450 (ceramics)
- CPG Sec. 7117.06-.07 (cadmium contamination)
- 21 CFR Sec. 177.2800 (textile and fibers)
- 21 CFR 175.300 (resinous or polymeric coated materials)

Puffmod Magnetic Ring Adapter

Product Details



Product Name: Puffmod Magnetic Ring Adapter
Manufacturer: Shenzhen Smiss Technology Co., Ltd.
Distributor: The Blinc Group, Inc.

The Puffmod Magnetic Ring Adapter is made using high-quality materials to prevent breakage and ensure a securable attachment. Contrary to other magnetic ring adapters, the Puffmod Magnetic Ring Adapter is only compatible with the XPro V12 510 Thread Vaporizing Cartridge and the Puffmod Battery. Upon approval, the XPro V12 510 Thread Vaporizing Cartridge will be sold with the Puffmod Magnetic Ring Adapter securely attached.

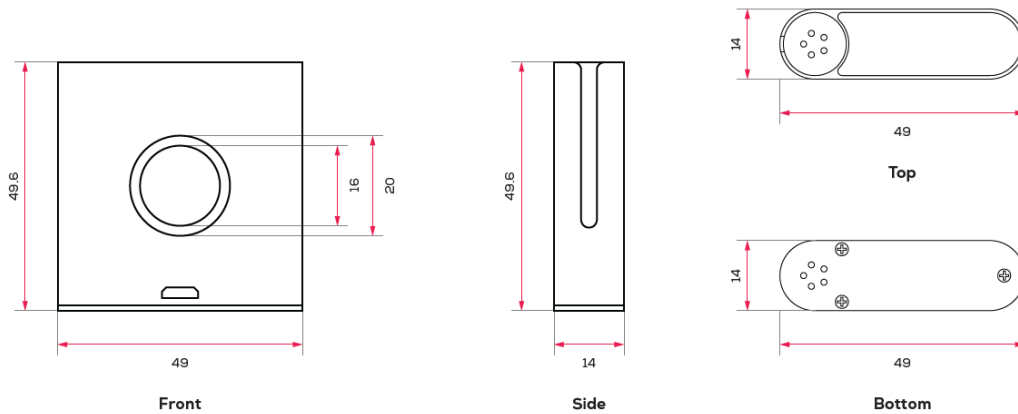
Functionality



The Puffmod Magnetic Ring Adapter will be securely attached to the XPro V12 510 Thread Vaporizing Cartridge. Once the cartridge and magnetic ring adapter are securely attached to the battery, the battery regulates the heating mechanism and metered dosing requirements. While the magnetic ring adapter does not regulate the heating or dosing, it ensures the XPro V12 510 Thread Vaporizing Cartridge will only function with the Puffmod Battery, which regulates the metered dosing requirements.

The Puffmod Battery

Product Details



Description

Top cover
 Cover plate
 The shell
 Battery cell
 Screw
 Charging board
 Bottom plate
 Screw
 Fixed part
 Adapt ring
 Insulation ring
 Positive electrode
 Negative electrode
 Holder
 Button
 Button holder
 Light silicone
 EVA
 Control panel

Material

PMMA (36.0*12.4*.0\85mm)
 Aluminum alloy (37*12.4*1.7mm)
 Aluminum alloy (49*48*14mm)
 Lithium battery 900mAh (40*30*8mm)
 Iron nickel plating (KM, 1.4*4.0mm)
 Composite panels (20*11*.9mm)
 Zinc alloy (49*14*7.1mm)
 Stainless steel (KA, 1.6*6.0mm)
 Brass (∅ 10.6*3.4mm)
 N35 (∅ 9.5* ∅ 5.0*4.0mm)
 Silicone Rubber (∅ 4.8*∅3.0*4mm)
 Brass (∅ 4.4*6.8mm)
 Brass (∅ 11.55*12.8mm)
 PC (25*23.7*2.1mm)
 Aluminum Alloy (∅ 16.8*1.6mm)
 PC (∅ 24.9*5.3mm)
 Silicone (∅ 17.8*1.75mm)
 EVA (∅ 11.0* ∅ 7.0*1.8mm)
 Composite Panels (19*25*1.0mm)

Functionality



The Puffmod Battery was approved by the State of Ohio Medical Marijuana Control Program as a compliant device. The Puffmod Battery powers the heating mechanism and controls the metered dosing requirements through an activation button. The battery contains haptic feedback, 900 mAh battery, and controls the metered dosing requirements by cutting off vapor flow up to 10 seconds after holding the activation button. When the activation button is held by the patient, it will heat the product inside the cartridge at 2.4V-3.2V heat and permit up to 10 seconds of vapor to expel from the cartridge.

Metered Dosing

The XPro V12 510 Thread Vaporizing Cartridge, Puffmod Magnetic Ring Adapter, and Puffmod Battery work in tandem to fulfill the metered dosing requirements and enable a responsible patient to intuitively determine how much of the product constitutes a single dose. Simply put, the XPro V12 510 Thread Vaporizing Cartridge attached to the Puffmod Magnetic Ring Adapter ensures the unit will only function with the Puffmod Battery, which regulates the metered dosing requirements. When the cartridge is connected to the Puffmod Battery, the patient may press and hold the activation button and use the device for up to 10 seconds until it automatically deactivates and cuts off power, regulating the single dose to no more than the maximum per dose. Upon approval, the XPro V12 510 Thread Vaporizing Cartridge with Puffmod Magnetic Ring Adapter will be sold attached together to ensure the cartridge is only compatible and used with the Puffmod Battery.