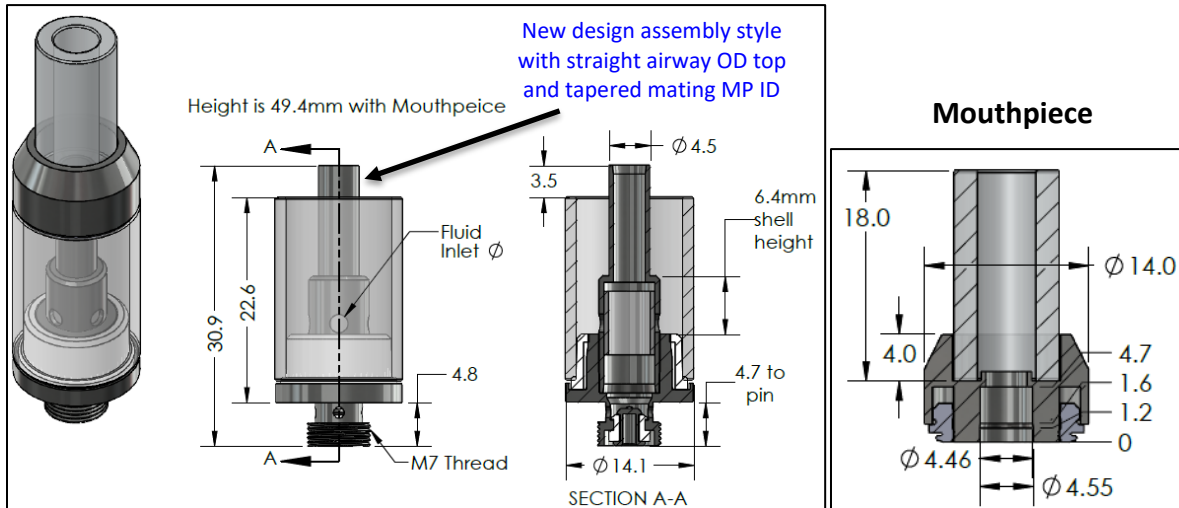
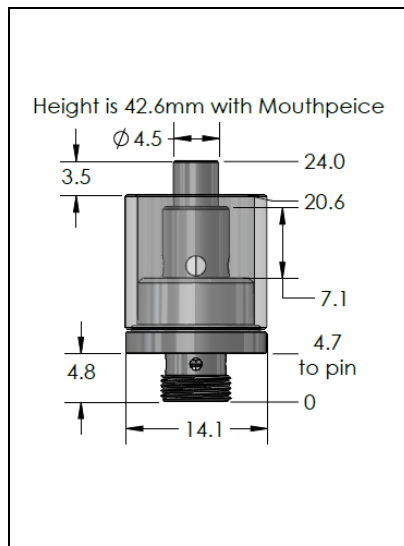
	DOCUMENT NO:	CDS-RA10nn-38XXX-YYYZZZ	VER:	1.8
	Glass Cartridge for Variable Power Battery (RA100)			EFFECTIVE DATE:
APPROVAL:	ECO-263	Jupiter PN(s):	See part number legend	PAGE 1 OF 4

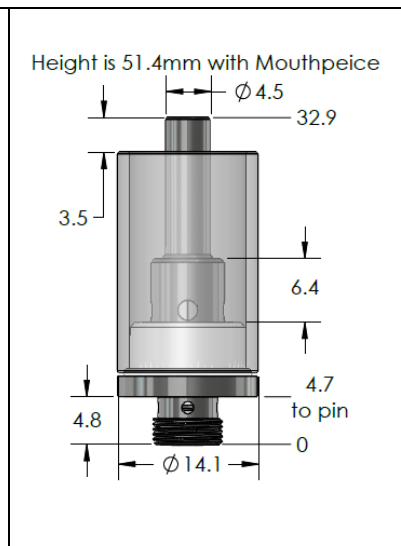
1.0ml Version



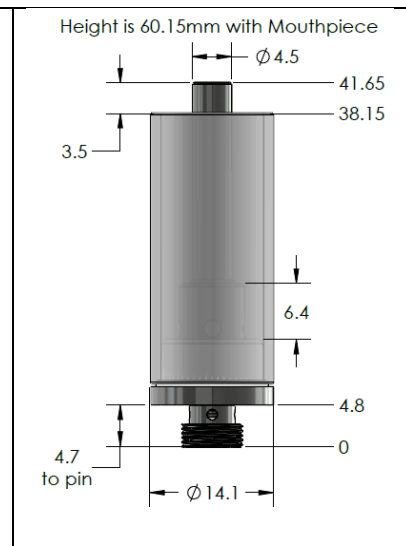
0.5ml Version




1.2ml Version



2.0ml Version



Drawing dimensions: mm


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Description: Top fill vaporizer cartridge

Features:

- CCELL Technology atomizer – heating element embedded in porous ceramic
- Tamper proof press-fit mouthpiece
- 510 connection – M7 threaded connection
- Current Design Cartridges designed to work only with current design MPs, RA1000-YYXXXX

Specifications				
Version (size)	1.0 ml	0.5 ml	1.2 ml	2.0ml
Internal Volume (Gross)	1.26 ml	0.52 ml	1.38 ml	2.3ml
Weight, empty with MP	16.4	14.8	16.8g	18.1g
Power with Variable Power Battery <i>(other options available upon request)</i>				
	High = Approximately 9W Medium = Approximately 7.6W Low = Approximately 5.8W			
Fluid Inlet Diameter (± 0.5mm)	Standard inlet diameter is 2.0mm; 1.5mm & 1.0mm options available upon request			
Viscosity Range	1,000 - 700,000 cPs @ 25°C [77°F]			
Wetted Materials	Fluid Housing	Glass		
	Atomizer shell/airway/ base	SnCo-plated brass		
	Heating element	Nichrome		
	Wick	Ceramic		
	Atomizer retaining wrap	Cellulose		
	Seals	Silicone		
Branding Options	Available with MOQ			
Assembly Force	150 – 240lbf			

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Part Number Legend – RA10nn-38XXX*-YYYZZZ		
<ul style="list-style-type: none"> • nn -> Cartridge Volume <ul style="list-style-type: none"> ○ 05 for 0.5ml ○ 10 for 1.0ml ○ 22 for 1.2ml ○ 20 for 2.0ml 	<ul style="list-style-type: none"> • YYY -> Cartridge Power/Activation type <ul style="list-style-type: none"> ○ Contact Jupiter Research for options ○ 035 for breath activation capability 	<ul style="list-style-type: none"> • ZZZ -> Fluid Inlet Dia. <ul style="list-style-type: none"> ○ 000 for 2.0mm ○ 015 for 1.5mm ○ 010 for 1.0mm

*XXX digits denote product branding

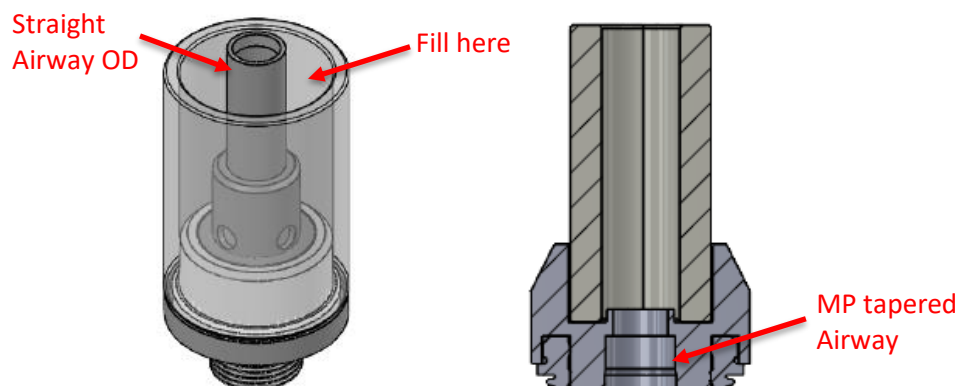
Glass Cartridge for Variable Power Battery Filling Instructions

Failure to follow these instructions may result in cartridge leakage or poor performance.

One mouthpiece style is available at this time. Custom Colors are available.

Filling Instructions


1. Insert a blunt tipped needle (14 ga. or smaller) into the space between the airway and the outer wall of the cartridge (see the image, below).



2. While the cartridge is oriented vertically with the threaded connector downward, fill the cartridge through the needle. Do not overfill.

Caution: Do not allow fluid to enter the airway (center tube).

3. Immediately after filling, insert a mouthpiece and press the mouthpiece in until it is fully seated. Mechanical assistance is required to fully seat the mouthpiece. A light-duty arbor press is recommended. Do not use a hammer or mallet. Once the mouthpiece is fully seated, it cannot be removed without damaging the cartridge or mouthpiece.

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Caution: Failure to install the mouthpiece within 2 minutes of filling may result in leakage. Do not twist or rotate the mouthpiece while it is being inserted.

4. Cartridges should be allowed to stand for at least 30 minutes before use. During this time, fluid is priming the atomizer. The rate that the atomizer saturates is dependent upon the viscosity of the fluid. More viscous fluids may require more time.
5. If the cartridge/device is to experience a pressure change as a result of an increase in temperature or a change in elevation, the cartridge/device must be shipped with the MP facing down, allowing for the inlets to be exposed to ambient air.

6. Storage and Operation Recommendations:

Operating Temperature and Humidity	<ul style="list-style-type: none"> ○ Charging Temperature: 10 °C to 45 °C ○ Working Temperature: -10 °C to 60 °C ○ Operating humidity: 35% to 70%
Storage Temperature and Humidity	<ul style="list-style-type: none"> ○ Storage Temperature: 23 ± 5 °C ○ Storage Humidity: 35% to 70%

For Technical Assistance please contact us at:
CS@JupiterResearch.com