



The Vaporrix Cartridge

The gas cartridge is designed for simplistic “plug and play” operation and offers easy maintenance. Vaporrix cartridges are refillable, reducing the overall Cost-Of-Ownership and Cost-Of-Consumables.

- The Vaporrix cartridge comes in configurations allowing for the optimal handling of small volumes of synthesized precursors to the mass production of coatings with kilogram size chemical charges – thus minimizing any equipment downtime related to consumables.
- The Vaporrix cartridge has special intelligence features in which information is exchanged with the RPX host for lot tracking, expirations and positional identification with an embedded RF-ID chip.
- Vaporrix cartridges allow for the sealed storage of precursors in a light free environment and under vacuum (free of any moisture ingress). This allow precursors to have extend shelf-lives up to 3 years.
- Overtemperature limits can be hardware specified to protect precursors from any unintentional temperature excursions resulting in pre-mature aging.



Carrier Gas Assist
(ie. Bubbler) Cartridge

Cartridge Configurations

Cartridge Size Height (inches)	Chemical Bottle Capacity	Chemical Delivery Method	Chemical Bottle Material	Special Notes
10"	100cc	Evaporative	Steel	For metal organics
	150cc	Evaporative	Aluminum	
	150cc	Evaporative	Stainless Steel	HVCR Seal
	260cc	Evaporative	Aluminum	
	400cc	Evaporative	Steel	
12.25"	40cc	Carrier Gas Assist	Stainless Steel	
	100cc	Carrier Gas Assist	Stainless Steel	
	150cc	Carrier Gas Assist	Stainless Steel	
	260cc	Carrier Gas Assist	Aluminum	
	620cc	Evaporative	Aluminum	

Key Features:

- Temperature Sensor: Self calibrating Resistor-Transistor-Diode.
- Position Identification Interlocked.
- Dual Heaters: Chemical Bottle, Valve Block.
- Input Power: 120VAC @ 2Amps.
- Safety Overtemp Limits: 55°C, 70°C, 80°C, 110°C, 150°C.
- RF ID: Chemical Name, Overtemp Limits, Date Filled, Position Identification.
- Connectivity via Ethernet RJ-45 connector.
- VCR® Metal-to-Metal Sealing interface.
- Manual Shut-off Teflon® sealed valves.
- Fully Insulated with High Temperature Silicone.