



FLEXCART™ NANO LIQUID METERING SYSTEM

Combined with the PlanetPak™
delivery packaging

FLEXCART™ NANO METERING SYSTEM

The FlexCart Nano system is the smallest version of the FlexCart systems, providing a compact metering unit suited for very short production runs and small laboratory/pilot plant systems. The FlexCart Nano unit is designed to operate with non-continuous processes.

FlexCart Nano is the ideal metering system for smaller throughputs and uses a standard 1kg PlanetPak™ container as the delivery pack.



EQUIPMENT SPECIFICATION

The FlexCart Nano unit is a non-configurable, stand-alone unit, and it is specifically designed for small output operations.

Key questions for deciding on a FlexCart Nano unit include the type of operation involved and what your process requires:

- Is the process non-continuous?
- Is the normal throughput very low?
- What is the range of liquid addition rate?

ATTRIBUTE	FLEXCART NANO
Footprint (LxW cm)	55 x 30
Controller options	3000
Typical max. throughput (kg/hr)	50
Max. metering rate (cc/s)	1.8
Continuous use	No
Transfer pumps	N/A
Metering pumps	Peri
Interchangeable cassette	No

Note: Peri = Peristaltic Pump

VALUE BENEFITS OF USING THE FLEXCART NANO SYSTEM

The FlexCart Nano metering system is market leading:

- Robust and dependable system control
- Reliable yield (typically above 90%) and sustainable packaging
- Fully supported technology
- Small footprint designed for very low throughputs



PLANETPAK™ CONTAINERS

The FlexCart range of metering systems is designed to work with the standardized Avient range of packaging, typically achieving 99% reliable yield on continuous operating systems, and at the same time achieving a sustainable packaging format in terms of full recyclability. The FlexCart Nano unit, due to its smaller size and reduced throughput, is designed to work only with the 1kg PlanetPak container.

The PlanetPak container range is the standardized range of packaging used with the FlexCart systems.

Regardless of size, the basis of a PlanetPak container is a robust polyethylene liner with a proprietary collapsing design, surrounded by a cardboard outer shell. The polyethylene liner has a non-drip valve outlet that connects seamlessly to the FlexCart metering system and the outer shell is designed to fit onto the FlexCart carriage.



EQUIPMENT CAPABILITY

The FlexCart Nano system is stand alone using aspects of the technology from the wider FlexCart range. The FlexCart Nano unit can support very low production throughputs and will work within a very small footprint. Furthermore, it has been designed to operate without further optional products.

All equipment is integrated into the unit, including the metering peristaltic pump. This includes a single point level monitoring system to indicate when a delivery pack change is required.

Avient can provide support and assistance on every aspect of liquid color and additive processing. Our teams are available through your local commercial contact, directly at +1.844.4AVIENT, or visit www.avient.com.

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