GammaTag™

GAMMA STERILIZABLE RFID TAGS

New

Tech Sheet 40

Introducing the first and only read/write RFID (radio frequency identification) tag that's safely sterilizable by gamma radiation – GammaTag.

GammaTag provides reliable electronic data storage of single-use bioprocess components and other parts from inception to disposal.

GammaTag is the only read/write RFID tag that maintains data integrity after gamma sterilization. GammaTag is available *exclusively* from AdvantaPure.

IDENTIFICATION

www.advantapure.com
www.gammatag.com

Key Features

- Uses read/write RFID technology to identify critical process components in pharmaceutical, bioprocess/biomedical, food and beverage, and medical device industries
- Record and access the current status of process components on the spot, or use simply for identification (part number, lot number, gamma sterilization date, etc.)
- All critical packaging and labeling documentation resides on the component throughout its useful life
- Attaches to sample and production bags, tanks, filters, manifolds, tubing and hose, storage containers, complete single-use systems, boxes or pallets undergoing gamma radiation sterilization, dosimeters, and medical devices
- Allows gamma radiation sterilization of a complete single use system for the cleanest possible products
- Also withstands CIP sterilization processes
- GammaTag's read/write ability makes it unique – data may be written directly on the tag, unlike read-only bar code labels
- Provides reliable identification without the potential hazards of leachables found in label adhesives and permanent markers
- Will not fall off during cold storage like labels can
- Unlike bar code labels, GammaTag does not require a clear sight line for reading or writing
- Electronically links to notes, cleaning schedules, files, certifications, photos and illustrations, installation instructions, warning notices, disposal procedures, and other instructions
- Eliminates the burden and bulk of paper records and log books
- RoHS compliant
- Patent pending
- Field testing recommended for each application

AdvantaPure® NewAge Industries

Purity in Fluid Flow Systems℠

P·E·T Process Equipment Tracking™

GammaTag™

GAMMA STERILIZABLE RFID TAGS

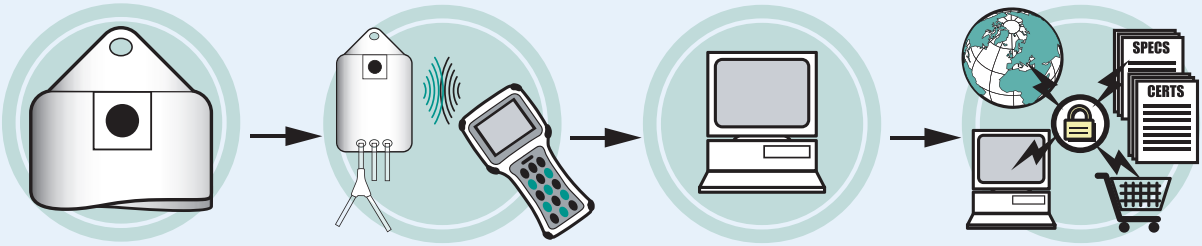
SPECIFICATIONS

www.gammatag.com

Dimensions:	25mm in diameter; 2mm thick
Frequency:	13.56 MHz
Protocol:	ISO 15693 compatible
Memory:	2 Kb (2,048 bytes)
Temperature Range:	-20°C (-4°F) to 85°C (185°F)
Read/Write Range:	up to 50mm
Power Type:	passive; energized by RFID reader/writer
Gamma Radiation:	up to 45 kGy

P·E·T Process Equipment Tracking™

PROCESS EQUIPMENT IDENTIFICATION & LIFECYCLE ANALYSIS SYSTEM



RFID Attachment Methods

Various attachment methods are available for different types of process components.

Portable Handheld Reader/Writer

The handheld reader/writer identifies each device by its serial number.

Lifecycle Analysis Tool

Data is transferred to a local computer to track equipment, maintain wear-related events, and store critical information.

Secure Internet Ordering

In the case of AdvantaPure sanitary hose products, a secure web site eases the ordering of replacement parts.

Purity in Fluid Flow Systems℠

Made in U.S.A.

Address: NewAge® Industries AdvantaPure®
145 James Way
Southampton, PA 18966 U.S.A.

AdvantaPure® NEWAGE INDUSTRIES

ISO 9001:2000 CERTIFIED

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NEWAGE INDUSTRIES

ESOP Employee Owned for Your Benefit

Celebrating over 50 Years of Service 1954-2007

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