

Precise delivery of low pressure liquid nitrogen up to 750 BPM for PET and thin-wall package lines, continuous stream thereafter

# NITRODOSE<sup>®</sup>

# MS



## Controls

- New simplified PLC controller with touch screen panel for ease of operation
- Allows fine adjustments of dose amount and timing during operation
- Continuously self monitored system with alarm outputs for;
  - Low LN<sub>2</sub> level in unit
  - Power fault
  - Dosing valve disabled
  - Inlet valve disabled
  - Low air pressure supply
  - Dose duration too long or too short
  - Dose delay too long or too short
- Ethernet/Profibus capabilities that can be used with a centralized computer system
- User selectable languages accessed through touch screen menu
- Push-button draining feature for quick and easy nozzle changes
- Single dose capability for lab testing
- No container/no dose function standard
- Continually displays current production rate
- Valve cycle counter with automatic notification at service intervals
- Optional encoder input for precise dosing applications and position based dosing

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## Accuracy

- Patented, proprietary dosing valve for purest single phase LN<sub>2</sub> available
- The only unit available that delivers pure, single phase LN<sub>2</sub> ensuring highest accuracy
- Precision dosing for meeting the most stringent specifications
- Lowest delivery pressure available to minimize splashing
- 3-D technology (directional dose dispersion) available for special applications

## Construction Features

- Integral inlet valve for quick isolation from supply piping
- Rapid warm-up capability for fast servicing
- Operational from direct pipe up to 50 psig (3.4 bar)
- Low profile dosing head to fit in confined spaces
- Fast nozzle change capability

## Safety and Cleanliness

- Automatic CIP (Clean in Place) function with complete hands free operation
- Lowest LN<sub>2</sub> consumption with high efficiency vacuum insulation
- Slim profile/streamlined clean design
- 2-micron inlet filter to protect from foreign particles
- Fully CE compliant
- Totally frost-free operation
- Withstands chemical wash-down and CIP processes
- Quick connect modularity, NEMA 4X rated

## Our service – Your guarantee

- Engineered, designed and fabricated our own cryogenic equipment since 1958
- Trained worldwide staff
- Five different models available to cover a wide variety of applications
- Standard models available from stock

**VACUUM BARRIER VBC**  
CORPORATION

4 Barten Lane, Woburn, MA 01801

Tel 1-781-933-3570

Fax 1-781-932-9428

email: [sales@vacuumbarrier.com](mailto:sales@vacuumbarrier.com)

[www.vacuumbarrier.com](http://www.vacuumbarrier.com)