

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

NITRODOSE®

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 LN₂ 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

**VACUUM
BARRIER VBC**
CORPORATION

NITRODOSE[®] MS

Accuracy

- Patented, proprietary dosing valve for purest single phase LN₂ available
- The only unit available that delivers pure, single phase LN₂ 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 LN₂ 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** 
CORPORATION

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