

Precise delivery of low pressure liquid nitrogen at the highest speed package lines

NITRODOSE®

HSV



Controls

- Allen-Bradley or Siemens based PLC controls with touch screen panel for ease of operation
- Dose compensation logic for consistent results over a wide variation of line speeds
- Includes encoder option for position based dosing
- 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
- Allows for fine adjustments of dose amount and timing during operation
- User selectable language 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

**VACUUM
BARRIER VBC**
CORPORATION

NITRODOSE[®] HSV

Accuracy

- Delivers pure, single phase liquid nitrogen with the greatest accuracy available
- Precision dose to meet the most stringent specifications
- Lowest delivery pressure available to minimize splashing
- 3-D technology (directional dose dispersion) available for special applications
- Patented, proprietary dosing valve for purest single phase LN₂ available

Construction Features

- Highest speed discrete dosing capability available allowing injector to handle all line speeds
- 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 into confined spaces
- Fast nozzle change capability

Safety and Cleanliness

- Automatic CIP (Clean in Place) protection that withstands high pressure chemical wash down
- Lowest LN₂ consumption with high efficiency vacuum insulation
- 2-micron inlet filter to protect foreign particles
- Fully CE compliant
- Frost-free operation
- 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



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