

Portable Liquid Nitrogen Containers

CAPABILITY SHEET · SS 304 CRYOGENIC DEWARS · 200-450 L · SUPPLIED

THE PRODUCT

WHAT	Trolley-mounted SS 304 double-wall cryogenic dewars for storage and transfer of liquid nitrogen at the work front - vacuum super insulation, self-pressurising withdrawal, full pressure and level instrumentation, and a 10 m stainless corrugated transfer hose.
STATUS	Supplied - 200 L and 450 L containers delivered against an Indian nuclear-power project contract for in-situ ice-plugging duty.
FORMAT	Single vessels on wheeled trolleys; complete with transfer hose and documentation package. Other capacities and cryogen services engineered to order.

REFERENCE CONFIGURATION

CAPACITY	200 L and 450 L net; other capacities engineered against the duty.
INSULATION	Vacuum super insulation, double wall - static evaporation loss not exceeding 2% per day.
PRESSURE	Working pressure up to 24 kg/cm2(g) - automatic pressure regulator, calibrated safety relief valve, pressure-building circuit for continuous liquid or gas delivery at set pressure.
INSTRUMENTS	Pressure gauge and float-type level indicator on the vessel head; fill, withdrawal, and vent valves.
TRANSFER	SS 304 corrugated flexible cryogenic hose, 10 m x 1/2 in, 3/8 in NPT standard end fittings - one per container.

DOCUMENTATION - EVERY CONTAINER

APPROVALS	PESO letter with approved drawing, as required for cryogenic pressure vessels in India.
QUALITY	General-arrangement drawing, quality test certificates, and safety-valve calibration certificates.
SUPPORT	Operation & maintenance manual and warranty certificate; documentation regime adapts to the buyer's tender requirements.

APPLICATIONS & VARIANTS

APPLICATIONS	In-situ ice-plugging (freeze sealing) of live pipework for valve replacement; laboratory and test-establishment cooling; EO/IR detector servicing; shrink fitting and cryogenic treatment; LN2 logistics from bulk storage to the work point.
VARIANTS	Capacities beyond 200-450 L; liquid oxygen / argon service; manifolded dewar banks for higher continuous gas flow; complete ice-plugging kits with pipe-freezing jackets.
ENGAGEMENT	Send your tender specification to sales@neometrixgroup.com - clause-by-clause compliance matrix and budgetary quotation within two working days.

DEFENCE PROGRAMMES DESK

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Reference configuration reflects containers supplied against a nuclear-power project tender. All parameters re-scoped against the customer's specification at proposal stage.