

ARD-GL-013

Cryogenic screw-down non-return valve



A cryogenic screw-down non-return selection for LNG marine pipework, combining automatic non-return duty with a manually imposed shut-off position. Confirm the selected disc and stem arrangement for the system.

Series limits guide enquiry and are not verified availability or approved operating limits for every size, pressure and operator combination. Confirm the selected design and pressure-temperature rating.

Product illustration. Appearance and dimensions depend on the selected configuration.

Selection	Specification
Size range	Nominal size to specify
Pressure ratings	Pressure rating to specify
Temperature	Cryogenic design temperature to specify
Connections	End connections to specify
Medium	LNG service; exact process medium to specify

Define your requirement

Specify medium, design pressure and temperature, nominal size, connection standard, operation, quantity and required inspection documentation.

Project selection

Topic	Selection requirement
Operating duty	Specify required flow direction, check response, manual shut-off duty and line conditions.
Marine documentation	Confirm class-society requirements, selected design standard, material traceability and tests.

View this product and request a quotation

This catalogue datasheet supports selection and enquiry. It is not a certified pressure-temperature curve, installation drawing or order-specific approval.

Technical specification

Parameter	Specification
Construction	Screw-down non-return (SDNR)
Operation	Automatic check action with manual screw-down isolation

End connections

Illustrated arrangement: a flanged globe-pattern body and extended manual handwheel assembly

Connection detail	Selection requirement
Connection options	End connections to specify
Mating interface	Confirm end standard, facing or weld preparation, pipe dimensions and installation envelope.
Configuration selection	Port pattern and end standard are project selections; the delivery reference does not establish a common dimensional schedule.

Materials

Component	Material / option
Body and bonnet	Cryogenic stainless steel; selected grade to confirm
Trim, seats and seals	Selected material schedule to confirm

Configuration features

- Combined non-return and manual shut-off duty
- Extended manual upper assembly illustrated
- Marine line integration selected for the project

Selection notes

Series limits guide enquiry and are not verified availability or approved operating limits for every size, pressure and operator combination. Confirm the selected design and pressure-temperature rating.

No class approval, nominal range, cracking pressure or closing time is inferred from delivery history or the illustration.

Confirm pressure-temperature limits, material compatibility, oxygen cleaning, trapped-liquid relief and certification for the selected assembly. PN, ASME Class and relief set pressure are separate values.