

ARD-GL-015

LH2 modular inline globe valve



A compact inline globe configuration with a replaceable valve insert, bellows stem seal and vacuum-jacket attachment flange. The manual upper assembly supports local isolation in space-constrained LH2 equipment.

Series data guide enquiry and are not verified availability or approved operating limits for every size, pressure and execution. Confirm the selected LH2 configuration and pressure-temperature rating.

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

Selection	Specification
Size range	DN 15 / DN 25 / DN 50
Pressure ratings	PN10 / PN18 / PN25 - size dependent
Temperature	LH2 cold-service version at -253°C; upper limit +50°C
Connections	Butt weld (BW)
Medium	LH2 / liquid hydrogen

Define your requirement

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

Project selection

Topic	Selection requirement
Process duty	Specify LH2 phase, design temperature, pressure, flow and differential pressure.
Selected assembly	Confirm insulation interface, materials, leakage acceptance and project test documentation.

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	Straight inline globe; replaceable insert; bellows stem seal
Operation	Manual handwheel
Size / rating selection	DN15: PN18 or PN25; DN25: PN10 or PN25; DN50: PN10
Vacuum integration	Weld-in flange; compatible replaceable inserts
LH2 execution	Confirm the selected low-temperature insert, seals and extension for 20 K service

End connections

Illustrated arrangement: a compact straight body with two opposing butt-weld stubs, extended upper tube, vacuum flange and manual handwheel

Connection detail	Selection requirement
Process ends	Specify pipe OD, wall thickness, material and weld preparation.
Insulation interface	Define the jacket, vacuum boundary and extension length separately from the process connection.

Materials

Component	Material / option
Body	Stainless steel; selected grade to confirm
Trim / seats	Selected cryogenic metal and polymer trim; confirm grades for LH2

Configuration features

- Replaceable valve insert
- Small installation footprint
- Inline process connections

Selection notes

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The product page distinguishes standard and deeper cryogenic executions. This LH2 selection requires the low-temperature execution to be confirmed; a standard -196°C execution must not be substituted.

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.