

ARD-GL-003

Cryogenic angle globe valve



An angle-body globe valve for installations that require a change in flow direction within the valve.

These size and pressure ranges are subject to technical confirmation. They are not verified availability or approved operating limits. Exact size, rating, materials and design temperature require written confirmation.

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

Selection	Specification
Size range	DN 15-50
Pressure ratings	PN16 / PN25 / PN40
Temperature	-196 to +60°C
Connections	Socket weld (SW)
Medium	LO2, LN2, LAr, LCO2

Available dimensional data: DN 40; 4.0 MPa. Other sizes and ratings require technical confirmation.

Define your requirement

Specify medium, design pressure and temperature, nominal size, connection standard, operation, quantity and required inspection 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
Size range	DN 15-50
Pressure ratings	PN16 / PN25 / PN40
End connections	Socket weld (SW)
Medium	LO2, LN2, LAr, LCO2
Temperature range	-196 to +60°C
Flow direction	Low to high

End connections

Illustrated arrangement: Two socket-weld ports arranged at 90°; one side outlet and one bottom outlet.

Connection detail	Selection requirement
Published connection	Socket Welding
Connection standard	Not specified on this product page. Confirm the mating standard with the offer.
Weld selection	Specify pipe OD, wall thickness/schedule, material and weld preparation. SW and BW are different connections.

Materials

Component	Material / option
Body	304
Bonnet	composite
Stem	06Cr19Ni10
Top / closure element	06Cr19Ni10+PTFE
Gasket	PTFE

Reference dimensions

Dimensions apply to the tabulated version only. Confirm the approved outline drawing for the selected size, rating and connections before installation.

DN	H/Open	H/Close	D0	L1	L2	D1	B	Weight (kg)
40	358	340	100	60	62	45.5	10	-
50	370	350	140	70	70	57.5	10	-
65	388	363	160	80	80	77	10	-

Linear dimensions: mm; weights: kg unless stated otherwise. Thread, mounting and pressure designations are not linear dimensions. A dash means that no value is documented. Request the approved outline drawing for installation.

Configuration features

- Socket Welding
- Flow direction: Low to high

Selection notes

These size and pressure ranges are subject to technical confirmation. They are not verified availability or approved operating limits. Exact size, rating, materials and design temperature require written confirmation.

The technical panel lists DN 40; the dimensional table also lists DN 50 and DN 65. Confirm the required size and rating with your enquiry.

“Top / closure element” follows the component designation in the reference material list.

Available dimensional data: DN 40; 4.0 MPa. Other sizes and ratings require technical confirmation.

PN, ASME Class and safety-valve set pressure are separate values. Confirm allowable pressure versus temperature, material compatibility, oxygen cleaning, trapped-liquid relief and required certification for the selected assembly. Liquid hydrogen and helium service require a separate assessment.