

ARD-VJ-001

Vacuum-jacketed globe valve



A vacuum-jacketed globe configuration for insulated cryogenic pipework.

Sizes and pressure ratings depend on construction, materials and configuration. Confirm the selected pressure-temperature rating with the quotation.

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

Selection	Specification
Size range	DN 15-80
Pressure ratings	PN40 (4.0 MPa nominal)
Temperature	-196 to +60°C
Connections	Socket weld (SW)
Medium	LO2, LN2, LAr, LCO2, LNG

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 15-80
Pressure ratings	PN40 (4.0 MPa nominal)
End connections	Socket weld (SW)
Medium	LO2, LN2, LAr, LCO2, LNG
Temperature range	-196 to +60°C
Flow direction	Low to high

End connections

Illustrated arrangement: Vacuum jacket around the process body; distinguish the inner process welds from the outer jacket.

Connection detail	Selection requirement
Published connection	Socket weld
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	06Cr19Ni10
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	H1	H2	H3	K	D0	L	D1	B	Weight (kg)
15	210	20	97	69	65	60	18.5	5	-
25	210	20	97	82	80	80	32.5	6	-
40	250	22	110	101	100	100	45.5	8	-

DN	H1	H2	H3	K	D0	L	D1	B	Weight (kg)
50	280	25	143	126	140	130	57.5	8	-
65	280	25	143	152	160	150	76.5	10	-
80	350	30	155	162	220	180	90	15	-

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 weld
- Flow direction: Low to high

Selection notes

Sizes and pressure ratings depend on construction, materials and configuration. Confirm the selected pressure-temperature rating with the quotation.

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

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.