

ARD-CK-003

Forged cryogenic check valve



A small-bore forged non-return range with socket-weld or flanged connections.

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	1/2-2 in
Pressure ratings	ASME Class 150-1500
Temperature	Down to -196°C
Connections	Socket weld (SW) · Flanged

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
Referenced design standards	BS 6364
Referenced pressure / seat tests	BS 6364

End connections

Illustrated arrangement: Socket-weld body and bolted cap in an original illustrative assembly; exact supplied construction requires confirmation.

Connection detail	Selection requirement
Published connection	Socket weld or flanged
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.
Flange selection	Specify nominal size, flange rating, facing, drilling and gasket. Do not infer these from the image alone.

Materials

Component	Material / option
Body	Forged Steel- ASTM A182-F304(L)/F316(L)
Bonnet	Forged Steel- ASTM A182-F304(L)/F316(L)
Seat	ASTM A276-304(L) / 316(L)-(H.F)
Disk	ASTM A182-F304(L)/F316(L)
Stem	ASTM A276-304(L) / 316(L)
Gasket	SPIRAL WOUND GRAPHITE

Configuration features

- Full- or reduced-bore configuration

Selection notes

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

Published series limits are not a size-by-pressure availability matrix. Materials, temperature capability, leakage class, testing and certification are confirmed for the selected configuration.

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.