

ARD-GT-003

Cryogenic gate valve - CF8 - flanged



A flanged CF8 gate-valve range covering DN50-300 for cryogenic enquiries. PN16-160 and Class 150-900 are separate published ranges, with final construction selected for the design conditions.

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 50-300
Pressure ratings	PN16-160 / Class 150-900*
Temperature	Confirm design temperature
Connections	Flanged
Medium	LNG, LOX, LN2, LAr, CO2

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 50-300
Pressure ratings	PN16-160 / Class 150-900*
Connection	Flanged
PN range	PN16-PN160
ASME class range	Class 150-Class 900
Operation	double-acting pneumatic, electric actuator, gearbox, hand lever, spring-return pneumatic
Temperature	Confirm limits for the selected construction
Medium	LNG, LOX, LN2, LAr, CO2

End connections

Illustrated arrangement: Flanged gate body, extended bolted bonnet, open rising-stem yoke and blue handwheel.

Connection detail	Selection requirement
Published connection	Flanged
Flange interface	Confirm standard, pressure class, facing, drilling and mating dimensions. The image alone does not establish any of these.

Materials

Component	Material / option
Body	CF8
Disc	CF8

Engineering requirements

Topic	Requirement
Dimension data	Order-specific dimensions required; no matched dimension table is published for this configuration.
Installation drawing	Confirm end-to-end length, overall height, flange standard, facing, drilling and operating/removal clearance.
Pressure-temperature rating	Obtain the allowable-pressure table or curve versus temperature for the selected body, seat and seals, including minimum and maximum design temperature. Nominal rating and a family temperature range do not define this curve.

Configuration features

- Catalogue body: CF8

- Published connections: Flanged

Selection notes

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

the technical record categorises this range for cryogenic service but does not publish a numeric temperature limit for this construction. Confirm the minimum design temperature and trim before selection.

*PN and ASME Class ranges are separate ranges. They are not conversions or a complete size-by-rating availability matrix.

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.