

ARD-BF-004

Top-entry cryogenic butterfly valve · weld ends



A top-entry triple-eccentric butterfly range with welded connections and a CF8 body. the technical record lists DN50-900 with gearbox, electric and pneumatic operation options.

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 50-900
Pressure ratings	PN16-50 / Class 150-300*
Temperature	Confirm design temperature
Connections	Weld ends · confirm preparation
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 50-900
Pressure ratings	PN16-50 / Class 150-300*
Connection	Weld
PN range	PN16-PN50
ASME class range	Class 150-Class 300
Design	Triple eccentric, Top-entry
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: Cylindrical weld-end body, bolted top-entry access hatch, extended tower and black gearbox/handwheel. Exact weld preparation is not specified.

Connection detail	Selection requirement
Published connection	Weld
Weld interface	the technical record only states Weld. Confirm butt/socket preparation, pipe diameters, wall thickness and welding standard; no BW or SW standard is inferred.

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 pipe outside diameter, wall thickness, weld preparation, overall height and service clearance; the technical record does not identify a socket or butt-weld standard.
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: Weld

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.