

ARD-ES-002

Cryogenic emergency shut-off valve · PN16

· BW



A pneumatically operated shut-off valve for DN65-100 butt-weld cryogenic lines. The pictured actuator includes a manual override; the fail action and shutdown duty require selection.

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 65-100
Pressure ratings	PN16
Temperature	-196 to +80°C · series*
Connections	Butt weld (BW)
Medium	LNG, LOX, LN2, LAr

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 65-100
Pressure ratings	PN16
Connection	Butt Weld
Operation	Pneumatic actuator with handwheel
series temperature*	-196°C to +80°C
Medium	LNG, LOX, LN2, LAr

End connections

Illustrated arrangement: Butt-weld globe body, extended stem, open actuator yoke, silver pneumatic actuator and blue override wheel.

Connection detail	Selection requirement
Published connection	Butt Weld
Weld preparation	Confirm pipe outside diameter, wall thickness and bevel/preparation. The weld standard is not stated on this catalogue page.

Materials

Component	Material / option
Body	CF8
Disc	S30408

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, pipe outside diameter, wall thickness, weld preparation 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: Butt Weld

Selection notes

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

*-196 to +80°C is the series/reference range. It does not establish the allowable pressure at each temperature or suitability of every seat, seal and actuator. Confirm the selected assembly's minimum design temperature and pressure-temperature curve.

Specify required fail position, air pressure, closure time, actuator sizing and shutdown-test requirements; no SIL or fail-safe certification is asserted.

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.