

ARD-BV-009

PN-rated cryogenic trunnion ball valve - flanged



A flanged side-entry trunnion ball-valve series with a PN16-160 nominal range and sizes through DN600. The illustrated arrangement has an extended stem, a manual worm gearbox and support feet.

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 15-600
Pressure ratings	PN16-160
Temperature	-196 to +70°C
Connections	Flanged
Medium	LNG / NG, LOX / O2, LN2 / N2, LAr / Ar

Define your requirement

Specify medium, design pressure and temperature, nominal size, connection standard, operation, quantity and required inspection documentation.

Project selection

Topic	Selection requirement
Material schedule	Body, ball, stem, seat and packing grades require the selected configuration material list.
Mechanical integration	Confirm gearbox clearance, extension height, support loads and the approved dimensional drawing.

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
Construction	Side-entry, trunnion-mounted ball
Operation	Manual worm gearbox in illustrated arrangement
Inspection references	GB/T 24925; BS 6364
Fire-design references	API 607; API 6FA - documentation for selected configuration

End connections

Illustrated arrangement: a side-entry flanged body, long exposed stem extension, blue worm gearbox with a five-spoke handwheel, and two blue support feet

Connection detail	Selection requirement
Connection options	Flanged
Interface selection	Specify the end standard, nominal size, pipe dimensions and required mating interface.
Flange definition	Select the flange standard, nominal pressure, facing, drilling and gasket for the line. A PN designation does not define the flange dimensions by itself.

Materials

The material schedule is confirmed for the selected body, trim, seat and seal arrangement.

Configuration features

- Trunnion-supported ball and side-entry body
- Extended stem with manual worm gearbox
- Antistatic design
- Stem-packing and fire-design options reviewed for the selected assembly

Selection notes

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

DN and PN are independent series limits, not a verified size-by-pressure matrix. Confirm body grade, ball and seat construction, pressure-temperature rating and order-specific test documentation.

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.