

ARD-BF-008

Pneumatic frontal top-entry cryogenic butterfly valve



A frontal top-entry cryogenic butterfly configuration for welded pipework, combining access for the service plan with a separately sized pneumatic operating package.

Series limits guide enquiry and are not verified availability or approved operating limits for every size, pressure and operator combination. Confirm the selected design and pressure-temperature rating.

Product illustration. Appearance and dimensions depend on the selected configuration.

Selection	Specification
Size range	NPS 6-48
Pressure ratings	ASME Class 150-600
Temperature	Down to -196°C; upper limit to confirm
Connections	Butt weld (BW)
Medium	LNG / LPG; exact process medium to specify

Define your requirement

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

Project selection

Topic	Selection requirement
Air and controls	Specify supply pressure, air quality, control signal, solenoid and position indication.
Actuator sizing	Confirm breakaway and running load at maximum differential pressure, closing time and required fail action.

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	Frontal top-entry butterfly body
Operation	Pneumatic quarter-turn actuator

End connections

Illustrated arrangement: two butt-weld ends, a removable service cover and a pneumatic drive above the cryogenic extension

Connection detail	Selection requirement
Connection options	Butt weld (BW)
Mating interface	Confirm end standard, facing or weld preparation, pipe dimensions and installation envelope.

Materials

Component	Material / option
Body and bonnet	Cryogenic stainless steel; selected grade to confirm
Trim, seats and seals	Selected material schedule to confirm

Configuration features

- Frontal maintenance-entry architecture
- Butt-weld process connections
- Pneumatic remote isolation

Selection notes

Series limits guide enquiry and are not verified availability or approved operating limits for every size, pressure and operator combination. Confirm the selected design and pressure-temperature rating.

Air-operated does not establish spring return, fail-close action or a SIL-rated shutdown assembly.

Confirm cover-removal clearance, disc extraction route, weld procedure and the approved outline drawing.

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.