

ARD-GL-011

Pneumatic cryogenic globe valve



A larger lifting-type cryogenic globe configuration with a guided stem and long bonnet. The pneumatic linear drive is selected for the required seat load, travel and operating differential pressure.

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 2-28
Pressure ratings	ASME Class 150-2500
Temperature	Down to -196°C; upper limit to confirm
Connections	Socket weld (SW) / butt weld (BW) / RF flanged
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	Lifting-type globe; L/Y-pattern selection
Operation	Pneumatic linear cylinder

End connections

Illustrated arrangement: two RF flanged line connections

Connection detail	Selection requirement
Connection options	Socket weld (SW) / butt weld (BW) / RF flanged
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

- Linear globe-valve movement
- Extended bonnet and guided stem
- Pneumatic isolation package

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.

Specify flow direction, required shut-off, stroke and any throttling duty; no characterized control trim is implied.

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.