ARD-CV-005

# Electric cryogenic control valve

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

A guided S-pattern globe control assembly with an extended packing box and electric linear actuation. Select the trim and drive from the process flow cases rather than nominal line size alone.

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.

| Selection | Specification |
|---|---|
| Size range | DN 20-300 / NPS 3/4-12 |
| Pressure ratings | ASME Class 150-2500 |
| Temperature | Cryogenic design temperature to specify |
| Connections | RF / RTJ flanged / 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 |
|---|---|
| Process sizing | Provide minimum/normal/maximum flow, inlet and outlet pressure, temperature and fluid state. |
| Control interface | Specify control signal, position feedback, fail action, shut-off class and available utility. |

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 | S-pattern globe body; guided plug; extended packing box |
| Operation | Electric linear actuator |

## End connections

Illustrated arrangement: two RF flanged line connections

| Connection detail | Selection requirement |
|---|---|
| Connection options | RF / RTJ flanged / 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

- Guided linear control plug
- Extended packing-box assembly
- Electric modulating 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.

The selected trim requires a confirmed design-temperature range; ordinary cryogenic duty does not establish liquid-hydrogen suitability.

Cv/Kv, characteristic, rangeability, cavitation/flashing behaviour and actuator thrust are calculated for the selected duty.

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.