



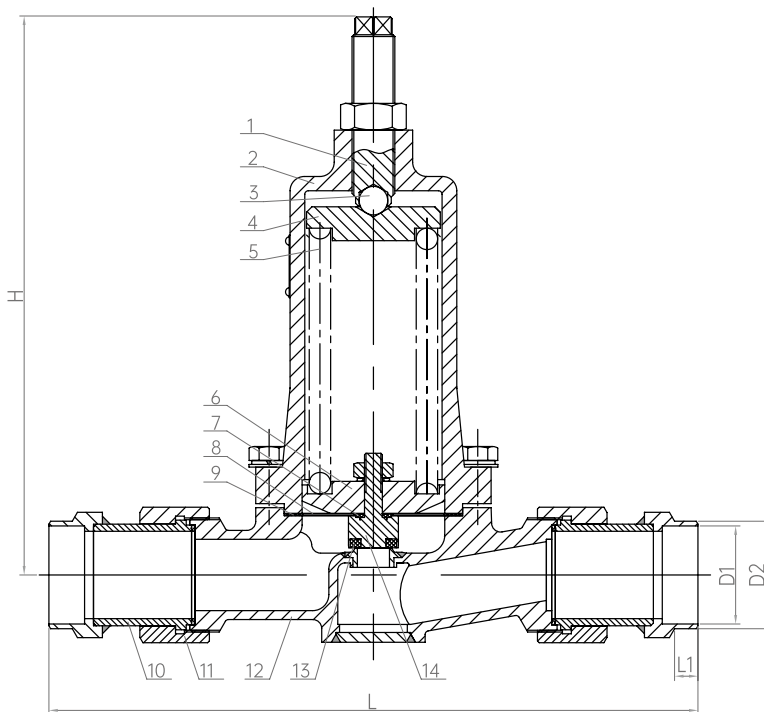
# Cryogenic Economizer

## Parameters

PN: 4.0MPa  
DN: Ø50  
Design Temp.: -196℃ ~+80℃  
Media: LNG, LO<sub>2</sub>, LN<sub>2</sub>, LAr, CO<sub>2</sub>



This kind of product has certified by CE, EAC, TS and CCS.  
This economizer is used for pressure reducing of cryogenic vessels, and use gas phase in priority when choosing gas or liquid phase.  
Standards: GB/T 24925, EN1626:2008, TR CU 032/2013



## Materials

|   |                  |        |    |           |         |    |               |           |
|---|------------------|--------|----|-----------|---------|----|---------------|-----------|
| 1 | Adjusting Screw  | S31608 | 7  | Gland     | S30408  | 13 | Gasket        | PTFE+MoS2 |
| 2 | Bonnet           | CF8    | 8  | Diaphragm | S30408  | 14 | Disc          | S30408    |
| 3 | Ball             | 9Cr18  | 9  | Gasket    | RPTFE   | 15 | Gasket        | PTFE      |
| 4 | Upper Gland Pad  | S30408 | 10 | Pipe      | S30408  | 16 | Bottom Bonnet | S30408    |
| 5 | Spring           | S30210 | 11 | Nut       | HPb59-1 |    |               |           |
| 6 | Bottom Gland Pad | S30408 | 12 | Body      | CF8     |    |               |           |

| Model No. | Specifications & Dimensions (mm) |     |    |     |     |       | Pressure Adjusting Range (MPa) | Weight(kg) |
|-----------|----------------------------------|-----|----|-----|-----|-------|--------------------------------|------------|
|           | H                                | L   | L1 | D0  | D1  | D2    |                                |            |
| DYJ-50Y   | 311                              | 364 | 13 | Ø50 | Ø49 | Ø60.3 | 0.2 ~ 0.8                      | 11.7       |
| DYJ-50Y1  | 311                              | 364 | 13 | Ø50 | Ø49 | Ø60.3 | 0.8 ~ 1.6                      | 11.7       |