



HANDLE OR PNEUMATIC ACTUATOR

STAINLESS STEEL CRYOGENIC
EXTENSION

ANTI-SCREWING DEVICE

STAINLESS STEEL VALVE BODY

INLET AND OUTLET THREADED
CONNECTIONS

MARKING

CRYOGENIC
VALVLE LVHP

PRODUCT DESCRIPTION

LVHP valve is a cryogenic valve specifically designed for high pressure pumped cryogenic liquid control, specially for isolating or venting line. it is usually installed onboard the pumping skid to finalize a performant pumping arrangement.

The criogenic extension and the special soft seals allow a safe work in every condition, preventing ice formation onto the handle or the actuator.

The stainless steel body and the inside components in nickel-copper alloy provide the best solution for the oxygen compatibility.

MAIN FEATURES

Performance data

Compatible fluids	Nitrogen, Oxigen, Argon, Carbon dioxide, Dinitrogen oxide, Methane and others.
Maximum pressure	up to 420 barg
Temperature range	-196°C/+50°C
Nominal size	DN8
Flow direction	Single flow direction
Pressure drop (Kv)	4.52 (according to EN1267)
Weigth	7.2 kg (manual valve), 14.3 kg (automatic valve)
General dimensions	70mm x 40mm x h290mm (manual), h600mm (automatic)
Category PED	according to Art. 3 §3

Certification and testing

- Pneumatic test according to EN 12266 P11, P12 and F20.
- Cleaned and degreased for oxygen compatibility to EN12300
- Assessment to E.U. Directives: 2014/68/EU PED
- Design and manufacture based on EIGA and ASTM reccomendaions.
- Materials compatible with oxygen.



TECNOCRYO DESIGN

Features

Materials are selected to provide the best operability in a tough environment of low temperatures as well as the oxygen compatibility.

The special care dedicated at the research of the best soft materials further the accurate obturator design enables high seal performances in a cryogenic environment and prevents any oxygen ignition.

The simplicity is the base philosophy in the valve design.

Options and accessories

The LVHP DN8 series includes dozens of options and accessories which can help finding the right solution for high pressure cryogenics. Tecnocryo Service is pleased to help you meeting your needs. Below an overview of the main components of the series.

- Isolating LVHP valve, manually (LVHPM) or automatically (LVHPA) actuated, stainless steel body and G1/2" threaded connections.
- On demand, the actuator is specifically set up to adapt the valve at the exact pressure service of your plant.
- Limit switches 2 or 3 wires type and the relevant support to fix them onto the actuator for the position control.
- Pneumatic fitting regulators and filters for the actuator feeding.

TECNOCRYO QUALITY SYSTEM

TECNOCRYO relies on a High Quality System which completely merges with the Engineering and Manufacturing facilities, pursuing a strategy of continuous improvement within a moving market of high technology. Attention has been posed to the Standards and the relevant product certifications, specially for the European Directives.

HYTC is a dedicated line for HYdrocarbon fluids, specifically designed for LNG or LCNG applications in the refuelling stations for automotive field. The design and the use of reliable materials makes the difference.

