GAS VENT



VACUUM-INSULATEI PIPING VIP VIP

VIP

GAS VENT

PHASE SEPARATOR







The gas vent is used in piping with cryogenic liquids such as nitrogen, oxygen and argon.

Its function is to separate the working medium in a gas phase from the medium in a liquid phase.

The device is applied wherever it is required to supply a homogeneous cryogenic liquid to reception devices.

The gas vent is applied in facilities with high hygienic requirements and where condensate and ice accumulation is not allowed.

Also, it is used in places where cryogenic piping systems require a period of standstill.

DESIGN AND BENEFITS



Application of the gas vent makes it possible to maintain a homogeneous liquid in the whole system of vacuum-insulated piping. Furthermore, after a period of standstill, it allows fast and automatic cooling of the piping.

The device consist of automatically controlled valve built in the vacuum jacket.

The use of a special insulation design (vacuum + MLI) limits the inflow of heat to the medium.

The gas vent is made entirely of stainless steel.

The device is designed to work in high hygiene areas.

The external housing, which is a vacuum jacket, remains at the ambient temperature, providing excellent protection against cold burns.

The device is easy to install.

Two types of coupling are available – Johnston bayonet coupling and, welded coupling.

The external housing ensures the highest vacuum.

GAS VENT

TECHNICAL SPECIFICATION

vacuum

stainless steel

TECHNICAL DATA (S)



inside/outside

DN15-DN80 Standard diameter. Standard pressure class: PN 25 Working position: vertical Coupling: Johnston bayonet or welded coupling (KrioSystem's design) Control mode: automatically controlled valve

stainless steel 1.4307 External housing: Insulation: Spacers: G10 epoxy glass Sealing bimetallic, O-rings (bayonet couplings):

MATERIALS (*)

Valve:

MANUFACTURE

Installation:



Pipes and materials according to EN standards.

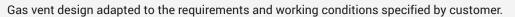
PED 2014/68/EU directive conformity.

Welding processes according to ISO 3834-2 quality management system.

Maximum permissible leak: 1·10⁻⁹ mbar · I/s verified with a helium leak detector acc. with PN-EN ISO 20485.

Vacuum level ≤ 10⁻⁴ mbar

OPTIONS



More sizes available.

Other pressure classes.

Different types of materials.

Different lengths and shapes.

Non-standard couplings.

Other vacuum levels.

Vacuum regeneration.



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