

# VS/AM 65 H

The **VS/AM 65 H** by Pietro Fiorentini is a relief valve which vents gas when the system pressure exceeds the set value due to temporary events. During no-flow conditions, thermal expansion of the gas can cause downstream static pressure to build up. The relief valve **will prevent downstream pressure from rising** due to gas temperature change, downstream pressure shocks caused by sudden changes of flow or eventually regulator's lock-up failure. This device is suitable for **100% hydrogen applications**. It is used in high-pressure transmission systems and in medium pressure gas distribution networks.



Gas reverse-flow



Regasification plants



Commercial users



Power generation



District stations



Residential users



Heavy industry



Medium/small industry

Features	Values
Design pressure*	up to 2 MPa up to 20 barg
Ambient temperature*	from -20 °C to +60 °C from -4 °F to +140 °F
Gas temperature*	from -20 °C to +60 °C from -4 °F to +140 °F
Available accessories	Limit switch BLD 211
Maximum allowable overpressure	<ul style="list-style-type: none"> <li>50 kPa for BP, 100 kPa for MP, 1 MPa for TR</li> <li>500 mbar for BP, 1 barg for MP, 10 barg for TR</li> </ul>
Setting range (Who)	<ul style="list-style-type: none"> <li>from 1.5 to 15 kPa for BP, from 15 to 50 kPa for MP, from 50 to 700 kPa for TR</li> <li>from 15 to 150 mbar for BP, from 150 to 500 mbar for MP, from 0.5 to 7 barg for TR</li> </ul>
Accuracy	up to 2.5% (depending on model and setting pressure)
Nominal size	DN 25 / 1"
Connections	<ul style="list-style-type: none"> <li>Threaded EN 10226-1</li> <li>NPT according to ASME B1.20.1</li> <li>ANSI 150 according to ASME B16.5</li> </ul>

(\* NOTE: Different functional features and/or extended temperature ranges may be available on request. Stated inlet gas temperature range is the maximum for which the equipment's full performance, including accuracy is guaranteed. Product may have a different pressure or temperature ranges according to the version and/or installed accessories.

**Table 1** Features

## Materials and Approvals

Part	Material
Body	Aluminium

NOTE: The materials indicated above refer to the standard models. Different materials can be provided according to specific needs.

**Table 2** Materials

The **VS/AM 65 H** spring relief valve is designed according to the European standard EN 14382. The product is certified according to European Directive 2014/68/EU (PED). Leakage class: bubble tight, better than class VIII according to ANSI/FCI 70-3.



EN 14382



PED-CE

## VS/AM 65 H competitive advantages



Compact dimensions



Fast response



Easy maintenance



Limit switch option (BLD 211)



Adjustment nut sealing



Suitable for 100% Hydrogen