

VS/AM 58 H

The **VS/AM 58 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 compression /
booster stations



Heavy industry



Blending units



H₂ liquefaction plants



Gas reverse-flow



Regasification plants



H₂ storage



Power generation



District stations



City gates

Features	Values
Design pressure*	up to 10 MPa up to 100 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
Rangeability	up to 1:100
Accuracy	up to 2%
Nominal size	DN 25 / 1"
Connections	<ul style="list-style-type: none"> • Threaded EN 10226-1 • NPT according to ASME B1.20.1 • ANSI 300 and 600 according to ASME B16.5

(*) 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
Plug	Stainless steel + nitrile rubber or viton (as optional)
Valve seat	Stainless steel

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 58 H** spring relief valve is designed according to the European standard EN4126-1. 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.



EN4126-1



PED-CE

VS/AM 58 H competitive advantages



Compact dimensions



Fast response



Easy maintenance



Limit switch option (BLD 211)



Adjustment nut sealing



Suitable for 100% Hydrogen