

VS/AM 58 H

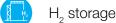
The **VS/AM 58 H** by Pietro Fiorentini is a relief valve which vents gas when the system pressure exceeds the set value due to temporary events. During noflow conditions, thermal expansion of the gas can cause downstream static pressure to build up. The relief valve **will prevent downstream pressure 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



Gas reverse-flow



Power generation



Blending units



Regasification plants



District stations

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	 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



Easy maintenance



Adjustment nut sealing



Fast response



Limit switch option (BLD 211)



Suitable for 100% Hydrogen