Pietro Fiorentini

VS/AM 58

The **VS/AM 58** 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. Particularly suitable in high-pressure transmission systems and in medium pressure gas distribution networks. It should to be used with previously filtered non-corrosive gases. The VS/AM 58 is **Hydrogen Ready** for NG-H2 blending.

- Gas compression / booster stations
- Gas liquefaction
- Gas storage
- City gates
- LNG marine transportation
- Gas reverse-flow
- Power generation
- Heavy industry
- Regasification
- District stations

Features	Values
Design pressure*	up to 10 MPa up to 1450 psig
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

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Materials and Approvals

Part	Material
Body	Aluminum
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** 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 VI according to ANSI/FCI 70-2 and equivalent to class VIII according to ANSI/FCI 70-3.

EN4126-1

PED-CE

VS/AM 58 competitive advantages

- Compact dimensions
- Easy maintenance
- Adjustment nut sealing
- Fast response
- Limit switch option (BLD 211)
- Biomethane compatible and 20% Hydrogen blending compatible. Higher blending available on request

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