Pietro Fiorentini

VS/AM 65

The **VS/AM 65** 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 65 is **Hydrogen Ready** for NG-H2 blending.

- LNG marine transportation
- Gas reverse-flow
- Power generation
- Heavy industry
- Gas engines
- Regasification
- District stations
- Medium/small industry
- Commercial users
- Residential users

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
Maximum allowable overpressure	• 50 kPa for BP, 100 kPa for MP, 1 MPa for TR • 500 mbar for BP, 1 barg for MP, 10 barg for TR
Setting range (Who)	• from 1.5 to 15 kPa for BP, from 15 to 50 kPa for MP, from 50 to 700 kPa for TR • from 15 to 150 mbar for BP, from 150 to 500 mbar for MP, from 0.5 to 7 barg for TR
Accuracy	up to 2.5% (depending on model and setting pressure)
Nominal size	DN 25 / 1"
Connections	• Threaded EN 10226-1 • NPT according to ASME B1.20.1 • ANSI 150 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	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** spring relief valve is designed according to the European standard EN 14382.
The product is certified according to European Directive 2014/68/EU (PED), IV Category.
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.

EN 14382

PED-CE

VS/AM 65 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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