

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 engines



Medium/small industry



Gas reverse-flow



Regasification



Commercial users



Power generation



District stations



Residential users



Heavy industry

Features	Values
Design pressure*	up to 2 MPa up to 290 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
Maximum allowable overpressure	<ul style="list-style-type: none"> 50 kPa for BP, 100 kPa for MP, 1 MPa for TR 7.25 psig for BP, 14.5 for MP, 145 psig for TR
Setting range (Who)	<ul style="list-style-type: none"> from 1.5 to 15 kPa for BP, from 15 to 50 kPa for MP, from 50 to 700 kPa for TR from 6" w.c. to 2.1 psig for BP, from 2.1 to 7.25 psig for MP, from 7.25 to 101 psig for TR
Accuracy	up to 2.5% (depending on model and setting pressure)
Nominal size	DN 25 1"
Connections	<ul style="list-style-type: none"> 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

Materials and Approvals

Part	Material
Body	Aluminum

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



Fast response



Easy maintenance



Biomethane compatible and
20% Hydrogen blending compatible.
Higher blending available on request



Adjustment nut sealing