

## **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 highpressure 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.





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	
Available accessories	Limit switch BLD 211	
Maximum allowable overpressure	<ul> <li>50 kPa for BP, 100 kPa for MP, 1 MPa for TR</li> <li>500 mbar for BP, 1 barg for MP, 10 barg for TR</li> </ul>	
Setting range (Who)	<ul> <li>from 1.5 to 15 kPa for BP, from 15 to 50 kPa for MP, from 50 to 700 kPa for TR</li> <li>from 15 to 150 mbar for BP, from 150 to 500 mbar for MP, from 0.5 to 7 barg for TR</li> </ul>	
Accuracy	up to 2.5% (depending on model and setting pressure)	
Nominal size	DN 25 / 1"	
Connections	<ul> <li>Threaded EN 10226-1</li> <li>NPT according to ASME B1.20.1</li> <li>ANSI 150 according to ASME B16.5</li> </ul>	
(*) 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
NOTE: The materials indicated above refer to the standard models. Different materials can be provided according to specific needs.	

Table 2 Materials

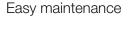
The VS/AM 65 spring relief valve is designed according to the European standard EN 14382. The product is certified according to European Directive 2014/68/EU (PED). Leakage class: bubble tight, better than class VI according to ANSI/FCI 70-2 and equivalent to class VIII according to ANSI/FCI 70-3.



## VS/AM 65 competitive advantages



Compact dimensions





Adjustment nut sealing



Fast response

Limit switch option (BLD 211)

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

