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# C E R T I F I C A T E

**Certificate no. 14-SIL-0010101-03-TIC**

WE HEREBY CERTIFY THAT

*Product description*

**Container valve assemblies and their actuators for gas extinguishing systems**

*Models*

**INERT GAS DISCHARGE VALVE Serie VSR**

*Manufacturer*

**GASTEC-VESTA S.r.l.**

**Via Stravazza 3 ang. Via per Cantalupo – 21040 Origgio VA ITALY**

IS IN COMPLIANCE WITH THE REQUIREMENTS OF THE STANDARDS

**IEC 61508 Parts 1÷7:2010**

AS RESULT OF THE ASSESSMENT ACCORDING TO THE PROVISION SET OUT IN THE ABOVE-MENTIONED STANDARDS

**Summary Report no. RR-0617-SIL-TIC-PC-0010009-15-02**

*Expiry date*

**01.08.2020**

**First issuing 12.06.2014**

**Note**

This certificate is issued upon the request of the manufacturer as voluntary certification; it does not include production surveillance. This certificate is valid for the product assessed, as referred in the following annex. This certificate does not allow the manufacturer to use the safety mark of TÜV INTERCERT.



Reggio Emilia, 02.08.2017

Eng. Andrea Vivi  
TÜV INTERCERT Certification Body

Page 1 of 2



# C E R T I F I C A T E

**ANNEX to Certificate no. 14-SIL-0010101-03-TIC**

**Product included for similarity without retest and additional assessment**

Table of attested gas discharge valve assembly - components			
Description	Drawing	Description	Drawing
Discharge valve with pressure gauge	DS A 025 AZ 300	Relief valve	DS A 015 AZ 300
Pressure transmitter	DS A 012 AZ 300	Solenoid valve with electric connector	DS A 011 AZ 300
Pneumatic actuator	DS A 010 AZ 300		
Connector	DS A 014 AZ 300	Check valve	DS A 001 AZ 300
Pressure reducing valve	DS A 020 AZ 300	Heating element	DS A 005 AZ 300

### Parameter assessed

Type	A
HFT	0
SFF	> 90%
DC	0 %
PFDavg	$1.32 \times 10^{-4}$
Mode of operation	Low Demand Mode
Safety functions	Valve will move to the designed safe position within the specified time. (safe position)

	Route 1 <sub>H</sub> :	Applied	Route 2 <sub>H</sub> :	Applied
Architectural constraints	The product can be used in:			
	<ul style="list-style-type: none"> <li>single channel configuration: up to SIL 2 without external diagnostic tests</li> <li>double channel configuration: up to SIL 3</li> </ul>			

### Remarks:

- For further details, including environmental conditions, limitations of use, lifetime, failure rates traceability, mean repair times, common cause factors and systematic capability constraints, make reference to Safety Manual VSR000SM Rev.1.

END OF CERTIFICATE

Reggio Emilia, 02.08.2017

  
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Page 2 of 2