



Functional Safety

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Certificate of SIL capability

The products listed below have been assessed by Silmetric against

IEC 61508-2:2010

and meet the requirements for use in
safety-related (instrumented) functions
with safety integrity levels up to

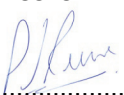
SIL 3

when used in accordance with the manufacturer's safety manual

Actuated 48-series Ball Valve sizes 1/2" to 4"

The element safety functions are to (i) *close on demand*, and (ii) *open on demand*. Refer to abridged reports for details of products, failure data and manufacturer's safety manual to which this certificate relates. The scope of assessment includes hardware and systematic safety integrity.

Manufacturer: VAAS Automation Pvt Ltd
Abridged Reports: RPT14017-1-A-4, rev 1.1 (48-series ball valves)
RPT14017-1-A-2, rev 1.1 (Torqmax pneumatic SR actuators)
RPT14017-1-A-5, rev 1.1 (Actuated 48-series ball valves)
Certificate no.: C14017-1-A-5, rev 1.0
Date: 12th February 2015
Approved: P J Reeve BEng CEng MIET FInstMC


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I N D E P E N D E N T F U N C T I O N A L S A F E T Y A S S E S S M E N T

Silmetric Ltd, Chester, United Kingdom