

The manufacturer
may use the mark:



Reports:

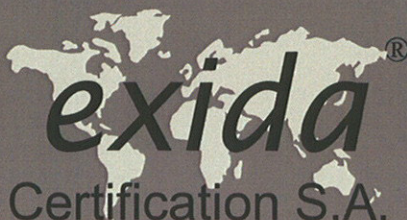
NAF 07/07-21 R005 V1 R1
IEC 61508 Assessment
Report

NAF 07/07-21 R003 V1 R1
FMEDA Report

Validity:

This assessment is valid for
the Torex Butterfly Valves
listed

This assessment is valid
until September 30, 2012.
Revision 1.0 September 29, 2009


exida[®]
Certification S.A.

Certificate / Certificat Zertifikat / 合格証

NAF 070721 C004

exida hereby confirms that the:

NAF - Torex Butterfly Valves

DN 80 – 700, Size 3 – 28"

PN 10 – 40, ANSI Class 150, 300

Flowserve - NAF AB
SE-581 87 Linköping, Sweden

Has been assessed per the relevant requirements of:

IEC 61508 Parts 1, 2

and meets requirements providing a level of integrity to:

Systematic Integrity: SIL 3 Capable

Random Integrity: Type A Device

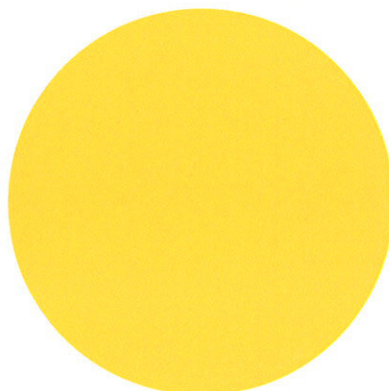
**PFD_{AVG} and Architecture Constraints
must be verified for each application**

Safety Function:

The Butterfly Valve will move to the designed safe position per
the actuator design within the specified safety time.

Application Restrictions:

The unit must be properly designed into a Safety Instrumented
Function per the Safety Manual requirements.





Product Assessor



Auditor