



Manufacturer's Declaration

concerning the functional safety according to DIN 61511.

We declare with sole responsibility, that the ball valves of series

AF90D, AF94D, A20D, AF20D

of nominal widths DN10 to DN100 are suitable for operation in a safety-relevant application corresponding to DIN EN 61511-1 according to 1b and 11.5 "Application of hardware proven in use", and that they satisfy the

Classification in SIL2

with the minimal hardware fault tolerance 0, provided that:

- The appropriate installation, operation and maintenance instructions are complied with, and particularly the condition for safe operating (open passage or closed passage) must be defined. The fail-safe setting must be selected that way that the system switches to the safe operating condition if the magnetic valve fails.
- the fittings are operated within the data range given in the data sheets and
- the ball valve series are operated in the following configuration :

Approved configurations according to safety report

The ball valves underwent an evaluation according to DIN EN 61511 together with single-acting actuators from Air Torque " AT045U S bis AT801U S " and Parker magnetic valves type 341N01/488980 XX, 341N31/495905 F4 and 341N3197/495910N7 respectively.

Inspection interval: 1 year, inspection as mentioned in the operating instructions

Earlier use is documented in the safety report. This contains the data available for the period since 2009 regarding sold or claimed units.

Murad Schonath

MOB Zuercher Technik AG

Dipl. Phys. Lutz Knakrügge

D-79539 Lörrach, Körnerstr. 7

4450 Sissach 12.12.2017 (Rev. 5)

Zuercher Technik AG
Switzerland

Tel. +41 (0) 61 975 10 10
Fax. +41 (0) 61 975 10 50

Neumattstrasse 6
info@zuercher.com

CH-4450 Sissach
www.zuercher.com