

Manufacturer	A + R Armaturen GmbH, D-32107 Bad Salzufen
Declares that ball valves:	Flanged ball valves, full bore design, KHL 510-Series, DIN- and ANSI-Standard, • with lever or gear box with hand wheel • with bare stem for lever or actuator assembly
1. Have no potential ignition source, 2. Are not subject to the scope of Directive 2014/34/EU, 3. Shall only be handled and operated acc. to A+R-Installation and maintenance manual No. 11 or 12.	

Applicable standards:

EN 13463-1	Non-electrical equipment for potentially explosive atmospheres - Part 1: Basic method and requirements
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Type description and technical features:

A+R-Data sheets KHL 510-Series, DIN- and ANSI-Standard

Applicable evaluation:

In dependence on standard EN 13463-1 the manufacturer - A+R Armaturen GmbH - prepared a hazard analysis. Due to the ball valve construction the above listed types have no potential ignition source, if operated according to A+R-Installation and maintenance manual No. 11 or 12.

Additional remarks:

Electrostatic charging due to non conducting process media does not refer to valves and is subject to the responsibility of the operation company. Beside guideline 2014/34/EU the valves shall be connected to the equipotential bonding of the plant.
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Marking

Moulded or engraved: A+R-Logo, type marking, production year, material, heat number, DN, PN, serial number
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Explanatory notes:

Any changes to ball valves or spare parts, which might take influence on the technical data or safe operation of this pressure equipment, are strictly prohibited and will cause the invalidity of this document immediately.

Pneumatic or electric actuators mounted to the ball valve must show an own hazard analysis according to guideline 2014/34/EU. The common assembly of valve and actuator acc. to EN ISO 5211 does not generate any further risks in respect of directive 2014/34/EU.

Bad Salzufen, 24.10.2018



Dipl. Ing. Kai Köppen, Geschäftsführer