

Declaration by the Manufacturer

Valves for the intended utilisation in areas subject to explosion hazard

We hereby declare:

Our valves for the intended utilisation in areas subject to explosion hazard consist of a non-electrical part (actual valve components and one or two armature tubes) and an electrical part in the form of one or two solenoid coils belonging to it. These are type-examined in accordance with the directive 2014/34/EU (ATEX), with the IECEx-scheme and the EAC standards.

The non-electrical part does not have any potential ignition sources of its own and it therefore does not fall within the scope of applicability of the above mentioned Directives, resp., standards). As a result of the assembly with the solenoid coils belonging to it in accordance with the data sheet, no new potential sources of ignition are created, if the assembly, installation and operation for the solenoid coil takes place according to the operating instructions belonging to it and for the complete valve in accordance with the data sheet and providing the permissible operating data are adhered to under all operating conditions.

These prescriptions being observed, the valves therefore may be utilised in the areas subject to explosion hazard defined for the electrical part [solenoid coil(s)].

If the valves are built into a new, super-ordinate sub-assembly (hydraulic block, hydraulic unit, machine, etc.), then new hazards or risks originating from this have to be evaluated and assessed by the manufacturer of this new sub-assembly. Equally in the case of a utilisation in a special environment (ionising radiation, ingress of heat through radiation or thermal conduction, aggressive ambient media, vibration, shocks, etc.), a corresponding evaluation and assessment has to be carried out by the user.

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