

ATEX SAFETY INSTRUCTIONS

ADDITIONAL SAFETY INSTRUCTIONS FOR DOPAK SAMPLING SYSTEMS BEING USED IN POTENTIALLY EXPLOSIVE ATMOSPHERE UNDER ATEX 94/9/EC

BEFORE INSTALLATION AND OPERATION THESE INSTRUCTIONS MUST BE FULLY READ AND UNDERSTOOD.

Foreword

In accordance with the requirements of the European Equipment Directive ATEX 94/9/EC, this document provides additional safety instructions for DOPAK Sampling Systems series DPM, HD, DPJ, DPT, S23, S32, S32-(L)G, DPO and Sample Stations.

This document refers to document INST001ENG, installation, maintenance, safety, storage and handling instructions and should be read together.

Marking

DOPAK Sampling Systems have been subjected to a risk assessment according to EN 13463-1. The products do not contain potential ignition sources. Special CE marking is not applicable since these products do not fall under the ATEX directive 94/9/EC.

Selection

Ensure that the DOPAK Sampling System is suitable for the category and type of atmosphere and for the application. The safety instructions should be followed for each item of the instrument / enclosure package.

If additional items are added to the Sampling System package, these items should be CE marked to ATEX in the appropriate and / or requested category.

Installation Instructions

1. The installer must only use tooling appropriate to the working area, see EN1127-1 Annex A. Installation has to be carried out at ambient temperature.
2. During installation, ensure that no metallic shocks / impacts are made to the equipment or adjacent pipe work.
3. Ensure that the equipment is suitably earthed, through the pipe or individually.
4. The installer should thoroughly follow the operating and safety instructions provided for each individual item of an instrument / enclosure package.
5. When the valve is to handle hot fluids or fluids where exothermic reactions may take place, the end user must take all the necessary measures to ensure that the hot service of the Sampling System cannot provide a source of ignition to the surrounding gas, vapor, mist or dust atmosphere.
6. Before putting into use or during operation with a dangerous fluid or gas, ensure that no release of the fluid or gas to atmosphere can take place.
7. If equipment, protective systems and components containing highly oxidizing gases have to be used, special precautions should be taken to prevent the ignition of construction materials and auxiliary materials.

8. Substances with a tendency to self-ignition shall be avoided whenever possible. When such substances have to be handled, the necessary protective measures shall be adapted in each individual case.

Maintenance Instructions

1. Personnel installing, maintaining or making adjustments to the Sampling System must be qualified to work in a potentially hazardous area are allowed to carry out maintenance appropriate to the category of the equipment in use.
2. The end user must ensure that only tooling appropriate to the working area is used, see EN1127-1 Annex A.
3. All equipment must only be fitted with manufacturer's original spare parts.

Special Conditions For Safe Use

1. When the system is connected to an actuator the maximum rubbing speed of any component within the valve must not exceed 1ms-1.
2. The ambient temperature range for which the Sampling System is suitable depends on the materials used in their construction and the pressure at which they will be used. The maximum design temperature is included in the Equipment Directive (PED) Marking.
3. If earth continuity cannot be guaranteed through the mounting of the Sampling System then an external earth connection must be provided.