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EC DECLARATION OF CONFORMITY

As defined in ATEX Directive (2014/34/EU)

We hereby declare that the product described below is compliant with ATEX Directive (2014/34/EU) for non-electrical mechanical systems. The product is intended for installation in a machine or in combination with other machines for a complete machine / system. It may not be put into operation until a determination has been made that the complete machine / system into which this product is to be installed, or with which it is to be combined, corresponds to the ATEX Directive (2014/34/EU).

Per Annex II.B of the Machinery Directive (2006/42/EC):
The machinery, product, assembly or sub-assembly covered by this Declaration of Conformity must not be put into service until the machinery into which it is to be incorporated has been declared in conformity with the provisions of the applicable Directive(s). This statement is only necessary where the product is to be incorporated into a machine or system (e.g. a safety component).

The equipment classification and marking for mechanical couplings:

CE Ex II 3G TX

Tamb = X

Temperature Class: TX

Surface temperature of the coupling depends on the coupling enclosure design and the application. Care needs to be taken while designing the coupling enclosure to ensure that the temperature rise inside the coupling enclosure is less than the safety limit of the combustible gas/vapor in the atmosphere in which this coupling will be used.

Special Conditions: Tamb = X

During typical operation the coupling is not directly exposed to the ambient temperature because it runs inside a coupling enclosure. Usually the temperature inside the coupling enclosure is higher than the ambient temperature.

Comments: The coupling has been designed and constructed to prevent foreseeable ignition sources during normal operation. Suitable for operation in the area in which an explosive gas-air mixture is likely to occur for short periods in the event of an operation fault.

Refer to coupling installation instructions (document number given in the general arrangement drawing) for safety precautions to be followed during installation, operation, and removal of the coupling.

Technical paper “DESIGN OF COUPLING ENCLOSURES” (Form 1231) by Michael M. Calistrat and Robert E. Munyon might be useful for determining the maximum surface temperature of the coupling and, for designing the coupling enclosure.

ATEX Harmonized Standards Referenced:

EN 13463-1:2009 (E)	Non-electrical equipment for use in potentially explosive atmospheres - Part 1: Basic method and requirements
EN 1127-1:2011 (E)	Explosive atmospheres - Explosion prevention and protection - Part 1: Basic concepts and methodology

Product:		
Kop-Flex GA Number:		Revision:
Kop-Flex Serial Number(s):		
Date:		
Signature:		Quality Supervisor
Location:	Nove Mesto, Slovakia	

Authorized person signing: (if other than above): Senior Inspector