Declaration of Conformity for CE/UKCA Marking

Machinery Directive 2006/42/EU (Safety) / Machine Regulation SI 2008 No. 1597
Low Voltage Directive 2014/35/EU / Low Voltage Regulation SI 2016 No. 1101
EMC Directive 2014/30/EU / EMC Regulation SI 2016 No. 1091

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We herewith declare that the ***Centrifugal Pump System Family PuraLev® 10KMU***, in its configurations as listed below, is in conformity with the above mentioned *European Directives* and *UK Statutory Instruments*. The various configurations of the pump system are thought to be used in hydraulic circuits of industrial production equipment of Life Science markets like Biotech and Pharmaceuticals.

Part Name	***Description***
LPP-10K.x	Pump casing configurations with variations in terms of fittings, O-rings, wet materials and performance as well as impellers with different materials and performance variations.
LPM-10K.x	Bearingless motors: *LPM-10K.x* (x = various cable, connector, coating and cooling options)
LPC-10K.x	Controllers with 400 V DC input from galvanically isolated power supply LAC-10K.x from Traco Power *LPC-10K.x* (x = various interfacing options, galvanic separated from high-voltage side)
Accessories	Motor controller adaptor and interconnect cables of various length and others

Machinery Directive 2006/42/EU – Machinery Regulation SI 2008 No. 1597

The machinery directive/regulation essentially has been followed by a risk analysis, according mitigation actions and a user manual for safe operation. For the design and testing the following standards are used as a guideline:

EN 12162	Procedure for hydrostatic pressure testing in fluid pumps: Used for max. pressure testing of pump head.
ISO 12100	Safety for machinery – principles for risk assessments: used for system risk analysis.
IEC/EN 60529	Degree of protection provided by enclosure (IP code)

Low Voltage Directive 2014/35/EU – Low Voltage Regulation SI 2016 No. 1101

The low voltage directive/regulation essentially has been followed by a risk analysis, electrical safety testing and a user manual for safe electrical operation. For the design and testing the following standards are used as a guideline:

IEC/EN 61010-1	Safety requirements for electrical equipment
ISO 12100	Safety for machinery – principles for risk assessments: Used for system risk analysis.

EMC Directive 2014/30/EU - EMC Regulation SI 2016 No. 1091

The following standards of the EMC directive/regulation are tested and confirmed at a certified laboratory:

EN 61000-6-2	Generic standards, immunity standard for industrial environments
EN 61000-6-4	Generic standards, emission standard for industrial environments

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