

Declaration of Conformity for CE/UKCA Marking



*Machinery Directive 2006/42/EU (Safety) / Machine Regulation SI 2008 Nr. 1597
Low Voltage Directive 2014/35/EU / Low Voltage Regulation SI 2016 Nr. 1101
EMC Directive 2014/30/EU / EMC Regulation SI 2016 Nr. 1091*

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We herewith declare that the **Centrifugal Pump System Family LPS-2000(S)**, 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 the Semiconductor, Chemical, Life Science (Biotech, Pharmaceuticals) and other machinery markets.

Part Name	Description
LPP-2000.x	Pump casing configurations consisting of variations concerning fittings, O-Rings, wet materials and performance and impellers with various materials and performance variations
LPM-2000.x	Bearingless motors: LPM-2000.x (x = various cable, connector and coating options)
LPC-2000(S).x	Controllers with 200 - 240V AC inputs LPC-2000(S).x (x = various interfacing options, galvanic separated from high-voltage side)
Accessories	Motor controller adaptor cables of various length, air cooling module and others

Machinery Directive 2006/42/EU – Machinery Regulation SI 2008 Nr. 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:

EN809	Pumps for Fluids: basic requirements are followed.
EN12162	Procedure for hydrostatic pressure testing in fluid pumps: used for max. pressure testing of pump head.
ISO12100	Safety for machinery – principles for risk assessments: used for system risk analysis.

Low Voltage Directive 2014/35/EU – Low Voltage Regulation SI 2016 Nr. 1101

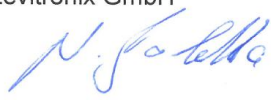
The low voltage directive/regulation essentially has been followed by a risk analysis, electrical safety testing and a user manual for safe electrical operation. For the design and testing the following standards are used as a guideline:

IEC/EN 61010-1	Safety requirements for electrical equipment: tested by certified 3 rd party laboratory.
ISO12100	Safety for machinery – principles for risk assessments: used for system risk analysis.

EMC Directive 2014/30/EU - EMC Regulation SI 2016 Nr. 1091

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

EN61000-6-2	Generic standards, Immunity for industrial environments
EN61000-6-4	Generic standards, Emission standard for industrial environments

Start of CE-Marking:	2011-06-12	Place of Issue:	Zurich, Switzerland
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