

Declaration of Conformity for CE/UKCA Marking



Machinery Directive 2006/42/EU (Safety) / Machine Regulation SI 2008 No. 1597
 EMC Directive 2014/30/EU / EMC Regulation SI 2016 No. 1091
 RoHS Directive 2011/65/EU / RoHS Regulation SI 2021 Nr. 3032

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We herewith declare that the **Centrifugal Pump System Family IPS-100** including its brands **BPS-i100** and **BPS-i100P** (semiconductor market), **PuraLev®-i100MU** and **PuraLev®-i100SU** (Life Science market), in its various 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 applications.

Part Name	Description
LPP-200.x	Pump heads with pump casing configurations with variations in terms of fittings, O-rings, wet materials, and performance as well as with impellers with different materials and performance variations.
DCP-200.x	Single-use (disposable) pump head for Life Science market with various fittings or (wet) materials. See separate declarations for biocompatibility.
IPD-100.x	Pump system drivers with 24/48 VDC input voltage with various housing coatings, cable materials, connector types, and interfacing options.
Accessories	Driver adaptor and interconnect cables of various length, cooling modules, 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:

DIN EN 12162 : 2010	Procedure for hydrostatic pressure testing in fluid pumps: Used for max. pressure testing of pump head.
ISO 12100 : 2010	Safety for machinery – principles for risk assessments: Used for system risk analysis.
DIN IEC 60529 : 2014	Degree of protection provided by enclosure (IP code)

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 IEC 61000-6-2 : 2019	Generic standards, immunity for industrial environments
EN IEC 61000-6-4 : 2019	Generic standards, emission for industrial environments

RoHS Directive 2011/65/EU – RoHS Regulation SI 2012 Nr. 3032:

The above parts are in conformity with the RoHS directive/regulation.

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