

## Declaration of Conformity for CE/UKCA Marking



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

**Manufacturer:** Levitronix GmbH  
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We herewith declare that the **Centrifugal Pump System BPS-300**, in its various configurations as listed below, is in conformity with the above mentioned *European Directives* and *UK Statutory Instruments*. The pump system is thought to be used in hydraulic circuits of production equipment of the Semiconductor, Chemical and general machinery markets.

| Part Name   | Description                                                                                                           |
|-------------|-----------------------------------------------------------------------------------------------------------------------|
| LPP-300.x   | Pump head configurations consisting of pump casings<br>LPH-600.1 (PTFE, Flaretek 1") and impellers<br>LPI-600.2 (PFA) |
| LPM-600.x   | Bearingless motors with 48V windings:<br>LPM-600.2 (3m PVC cables, AMP connector, ETFE coating)                       |
| LPC-300.x   | Controller with 48V DC / 300 W inputs<br>LPC-300.1 (Stand-alone controller with user panel and enable input)          |
| 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.                  |

### 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 |

**Test Laboratory:** Hochschule für Technik Zurich  
 EMV Labor, Technoparkstr. 1  
 CH-8005 Zurich, Switzerland

Swiss certification number = STS 404

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|---------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Start of CE-Marking:                                                                                                            | 2007-Apr-06 | Place of issue:                                                                                                                         | Zurich, Switzerland |
| Last Update:                                                                                                                    | 2022-Sep-27 |                                                                                                                                         |                     |
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