

Declaration of Conformity for CE/UKCA Marking



Machinery Directive 2006/42/EU
 Pressure Equipment Directive 2014/68/EU
 EMC Directive 2014/30/EU

UK Regulation SI 2008 No. 1597
 UK Regulation SI 2016 No. 1105
 UK Regulation SI 2016 No. 1091

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We herewith declare that the **LEVIFLOW®** clamp-on flowmeters of the **LFSC-iX** series for the single-use flow pipes **LFP-SU**, in its various configurations as listed below is in conformity with the mentioned *European Directives* and *UK Statutory Instruments*. The flowmeter systems are thought to be used in hydraulic circuits of the production equipment of Bioprocessing and Pharmaceutical industry.

Part Name	Description
Converter LFSC-ixxX.1 SU Flow Pipe LFP-xxSU xx = Size	LFSC-i05X.1 with LFP-05SU (1 lpm) and LFP-05SU.1 (0.2 lpm) LFSC-i09X.1 with LFP-09SU (4 lpm) LFSC-i13X.1 with LFP-13SU (20 lpm) LFSC-i16X.1 with LFP-16SU (50 lpm) Note: All flowmeter converters with 24V DC supply input.
	LFSC-i20X.1 with LFP-20SU (80 lpm) LFSC-i23X.1 with LFP-23SU and LFP-23SU.1 (160 lpm) LFSC-i36X.1 with LFP-36SU (400 lpm)

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 61000-6-4 Generic Emission standard for industrial environments
 EN 61000-6-2 Generic Immunity standard for industrial environments

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 ISO 15494 Plastic piping system for industrial applications
 ISO12100 Safety for machinery – principles for risk assessments: used for system risk analysis.

Pressure Equipment Directive 2014/68/EU – Pressure Equipment Regulation SI 2016 No. 1105:

The pressure equipment directive/regulation is used as guideline according to *Category I Modul A* (internal quality control). For maximum pressure validation the following standard is followed:

EN ISO 15494 Plastic piping system for industrial applications

It must be noted that the maximum pressure for the clamp-on sensor has been tested without tubing limitations. For the pressure rating of the clamp-on sensor with the mounted tubing, the specification of the used flexible tubing material shall be consulted in order to avoid bursting effects not covered by the clamp-on sensor specifications.

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