

## Certificate for level sensors

Level sensors with flange or screwed part without pressurized housing are not subject to the Pressure Equipment Directive (independent of the height of the max. permissible pressure).

### Reason:

The definition for pressure-keeping equipment parts is (article 2, paragraph 5 of the directive 2014/68/EU):

Pressure-keeping equipment parts are „Facilities with operational function, being equipped with a pressurized housing,“

If an instrument is not equipped with a pressurized housing (no own, identifiable pressure compartment), no pressure-keeping equipment part according to the directive exists.

### The following level sensors of VEGA Grieshaber KG are concerned:

Capacitive electrodes:	series	EL 11, EL 21, EL 24, EL 26, EL 28, EL 29, EL 31, EL 33, EL 34, EL 42, EL 52, EL 53, EL 60, EL 61, EL 70 EK 11, EK 21, EK 24, EK 26 VEGACAL series 62, 63, 64, 65, 66, 67, 69
Capacitive level switches:	VEGACAP series	11, 21, 26, 27, 31, 33, 34, 35, 60, 61, 62, 63, 64, 65, 66, 67, 69, 82, 92, 98
Conductive electrodes:	series	EL 1, EL 2, EL 3, EL 4, EL 5, EL 6, EL 8, EL 9
Conductive compact level switches:	VEGAKON series	61, 63, 66
Ultrasonic sensors:	VEGASON series	51, 52, 53, 54, 55, 56, 61, 62, 63, 64, 65, 66, 71, 72, 73, 74, 75
Radar sensors:	VEGAPULS series	41, 42, 43, 44, 51, 52, 53, 54, 56, 61, 62, 63, 64, 65, 66, 68
Microwave sensors:	VEGAFLEX series	51, 52, 54, 55, 61, 62, 63, 65, 66, 67, 81, 82, 83, 86
Vibrating level switches for solids:	VEGAVIB series	31, 41, 43, 51, 52, 53, 55, 61, 62, 63, 65, 66, 67
	VEGAWAVE	61, 62, 63



Vibrating level switches for liquids:	VEGASWING series	51, 61, 63, 66 71, 75, 81, 83
Microwave barrier	VEGAMIP series	R61, T61

**Note:**

Sensors which are part of a safety facility to protect a pipeline or a vessel against exceeding of the permissible limits (equipment part with safety function acc. to the Pressure Equipment Directive 2014/68/EU, Art. 2, para. 4) should be treated separately.

Example: Sensor monitors the max. permissible pressure of a vessel and triggers a pressure-relief valve via a switching operation (exceeding of limit value).

TÜV SÜD Industrie Service GmbH is notified body for the Pressure Equipment Directive.

Mannheim, the 19<sup>th</sup> of July 2016  
IS-AN1-MAN/jo

TÜV SÜD Industrie Service GmbH  
Plant Safety  
The expert

  
Dipl.-Ing. John

