

COMPACT OVERFILL DETECTOR MAXIMAT VK C



- General building authority approval from DIBt: Z-65.11-355
- Integrated transmitter
- Float actuator
- Wide chemical compatibility
- Wide choice of signal interfaces:
 - Signaling device MAXIMAT TC4
 - PLC digital or analogue
 - Coupling relays KRC or CST
 - Transmitter MAXIMAT SHR
- Suitable for non-flammable liquids with a density of at least 0.7 kg/dm³

APPLICATIONS

Overflow protection according to the Water Resources Act (WHG) on containers for storage, Filling and handling of water-polluting liquids.

DESCRIPTION

The MAXIMAT VK C are level limit switches which are used for containers of water-polluting liquids to prevent an overflowing; When liquid lift up, the integrated electronics reacts to the float rising and its permanently output signal is interrupted; By interrupting the signal once the permissible limit of filling is exceeded, the associated system control may interrupt the filling process and acoustically and visually trigger an alarm. The alarm is triggered from an immersion depth of 50mm (dependent of density).

TECHNICAL FEATURES

| | |
|-----------------------------|---|
| Operating principle | Magnetic float with a Reed contact |
| Density limit of the liquid | at least 0.7 kg/dm ³ |
| Ambient temperature | -20 ... +60 °C |
| Operating pressure | atmospheric; 0.8 ... 1.1 bar |
| Connection head | PBT, glass fiber reinforced; Protection IP65 according EN 60 529 |
| Fittings | BSP-M 2" or Flange (see the table "Ordering information") |
| Supply voltage | 15 ... 26 V DC |
| Connected load | About 3 W |
| Output interfaces | - Binary output: +DO / -DO ; Max. 30 mA Max. input voltage: 24 V DC max. output voltage: ~ 18 V DC - Current output: +AO / -AO ; 0 ... 20 mA - Output for transmitter MAXIMAT SHR C (Note: only ever use one output) |
| Terminal block | Screw connectors, cable cross-section max. 2.5 mm ² |

EC Conformity: The instrument meets the legal requirements of the current European Directives

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COMPACT OVERFILL
DETECTOR
MAXIMAT VK C

22-10-2021

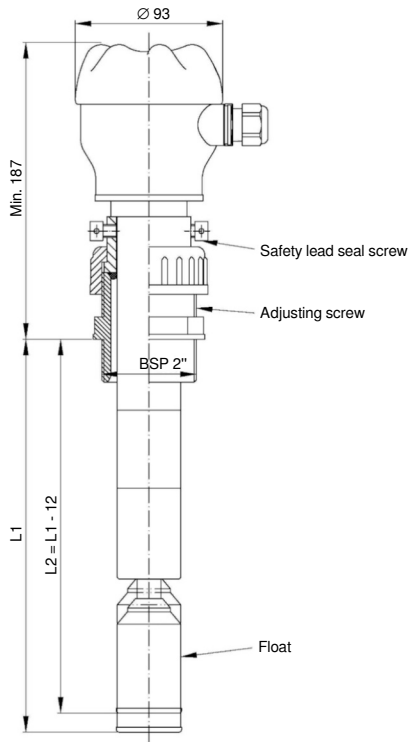
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LEV

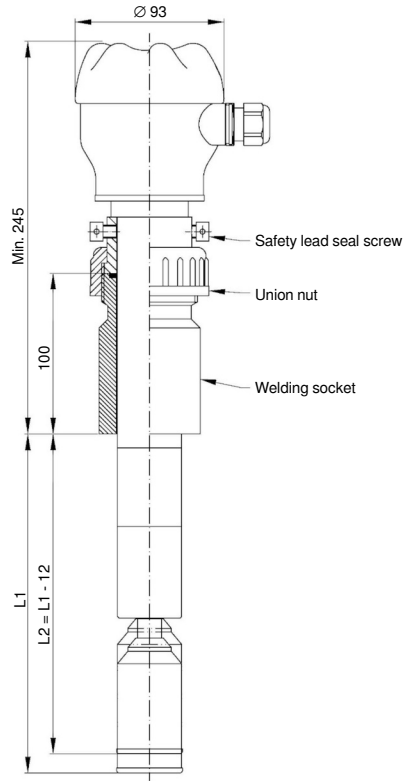
555-02/1

DIMENSIONS

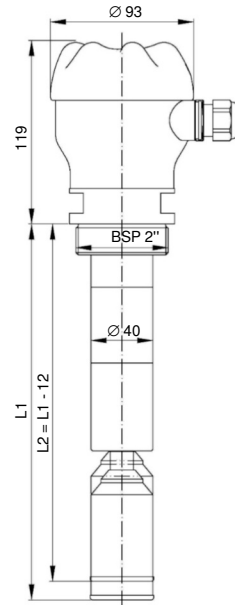
All dimensions in [mm]



MAXIMAT VK C_3...

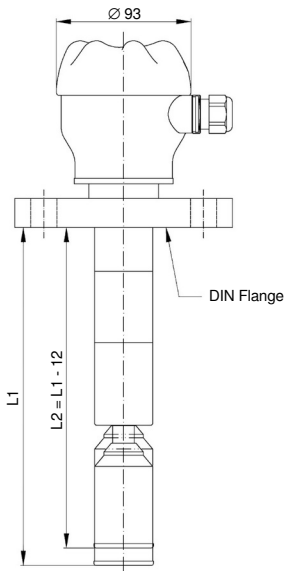


MAXIMAT VK C_5...

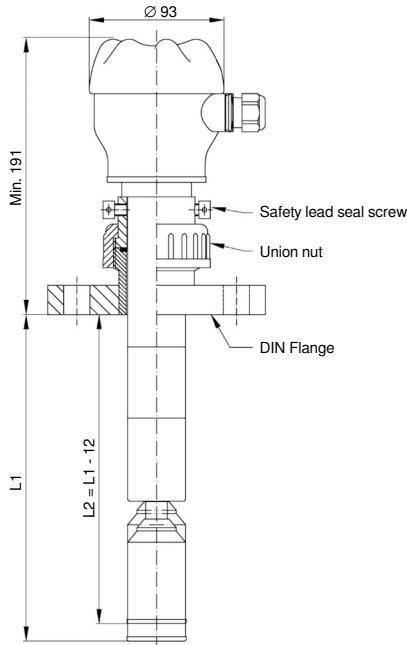


MAXIMAT VK C_1...

All dimensions in [mm]



MAXIMAT VK C_2...



MAXIMAT VK C_4...

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 DETECTOR
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LEV

555-02/2

ORDERING INFORMATION

Overfill detector MAXIMAT VK C ...

Sensor material:

- 2 PP
- 4 PE-HD (Standard)

**Tank fitting
(ADJUSTABLE)**

- | | |
|-----|------------------------------------|
| 31 | BSP-M 2" ; PVC |
| 32 | BSP-M 2" ; PP |
| 54 | Socket, fusion welding, 2" ; PE-HD |
| 52 | Socket, fusion welding, 2" ; PP |
| 451 | Flange DN40 PN10 ; PVC |
| 452 | Flange DN40 PN10 ; PP |
| 461 | Flange DN50 PN10 ; PVC |
| 462 | Flange DN50 PN10 ; PP |
| 471 | Flange DN65 PN10 ; PVC |
| 472 | Flange DN65 PN10 ; PP |

FIXED POSITION (non adjustable)

Minimum length 300mm

- | | |
|-----|--------------------------|
| 14 | BSP-M 2" ; PE-HD |
| 12 | BSP-M 2" ; PP |
| 254 | Flange DN40 PN10 ; PE-HD |
| 252 | Flange DN40 PN10 ; PP |
| 264 | Flange DN50 PN10 ; PE-HD |
| 262 | Flange DN50 PN10 ; PP |
| 274 | Flange DN65 PN10 ; PE-HD |
| 272 | Flange DN65 PN10 ; PP |

L: Trigger point from the sealing surface

- | | |
|----|---------|
| 03 | 200 mm |
| 04 | 250 mm |
| 05 | 300 mm |
| 06 | 350 mm |
| 07 | 400 mm |
| 08 | 450 mm |
| 09 | 500 mm |
| 10 | 550 mm |
| 11 | 600 mm |
| 12 | 650 mm |
| 13 | 700 mm |
| 14 | 750 mm |
| 15 | 800 mm |
| 16 | 850 mm |
| 17 | 900 mm |
| 18 | 1000 mm |

MAXIMAT VK C L or special length on request

On request: Paint-free version.
Other versions on request.

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