

Technical datasheet No.: SECENV-LDR NT-19-02-2014

Product code: 308 279 / 308 277

Date: 19/02/2014

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Version: V2

Designation

A completely safe mechanical safety device preventing any risk of overflow when filling a static tank

Application

Designed for aviation fuels, other petroleum products, miscellaneous oil and alcohol.

Operating

- ✓ A single automatic closing level, N1
- ✓ At level N1 and once the filling process has stopped, drainage of residual liquid remaining upstream of the device is permitted
- ✓ A dip tube must be fitted under the LDR to prevent turbulence or foam forming (risk of accidental closure)

+ Product

- ✓ Delivered ready-to-install : fits on the filler tube inside the tank
- ✓ Provides 100% complete and automatic closure
- ✓ Product entirely made of metal (no gasket)
- ✓ Requires no maintenance or adjustment
- ✓ Usable for gravity discharge or pumping.
- ✓ Individually bench tested before obtaining a serial number

Characteristics & standards

- ✓ Suitable for use in group IIB potentially explosive atmospheres
- ✓ ATEX certified CE0080 Ⓜ marking II1 G c IIB T6
- ✓ In compliance with Directive 94/9/EC
- ✓ In compliance with harmonised standards:
 - NF EN 13463-5: 2003
 - NF EN 13616: 2004 - Category A2 - Steam-tightness: no
- ✓ Conforms to standard NF EN 13463-1: 2001 (Equipment conformity is not affected by the substantial modifications to NF EN 13463-1: 2009)
- ✓ Conforms to Dutch standard KIWA BRL – K 636
- ✓ Conforms to Belgian standard Vlare II

Composition

Supplied with fitting instructions and aluminium identification plate

Compatibility

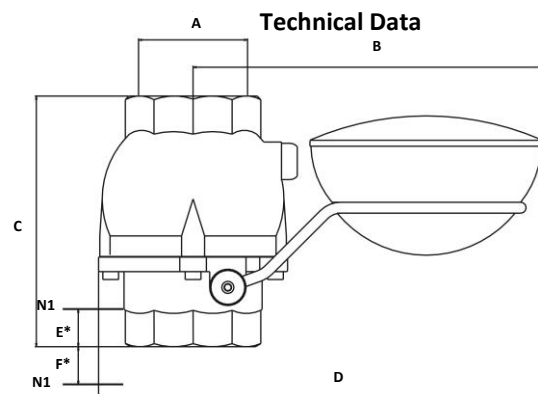
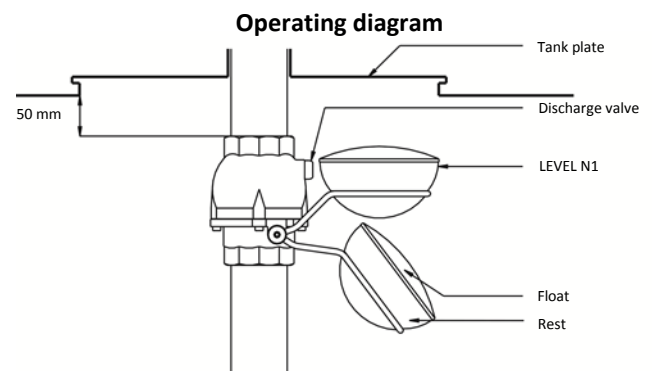
Before installing check the compatibility between the LDR and the nature of the liquid stored in the tank, characteristics determining the type of device to be installed. Compatibility opinions given by Self Climat are for information only and can in no circumstances be used contractually.

Warranty

12 months provided fitting and operating instructions are observed.



NF EN 13616



| Reference | 308 279 | 308 277 |
|----------------------------|-----------------------------|-----------------------------|
| Dimension | Type DN 50 NT | Type DN 80 NT |
| A (mm) | ∅ 50/60 | ∅ 80/90 |
| B (mm) | 245 | 322 |
| C (mm) | 159 | 207 |
| D (mm) | 295 | 400 |
| E* (mm) | | 30 |
| F* (mm) | 35 | |
| Construction | Type DN 50 NT | Type DN 80 NT |
| Body | Anodised aluminium | Anodised aluminium |
| Float | 316 L grade stainless steel | 316 L grade stainless steel |
| Fastenings and other parts | Stainless steel | Stainless steel |
| Operating | Type DN 50 NT | Type DN 80 NT |
| Connection | 2" F/F GAS* | 3" F/F GAS* |
| Max. pressure | 6 bar | 8 bar |
| Min. flow | 1.4 m³/h | 3.6 m³/h |
| Max. flow | 40 m³/h | 60 m³/h |
| Max. viscosity rating | 55 cSt | 55 cSt |
| Temperature | -25°C to +60°C | -25°C to +60°C |
| Type of discharge | Pump or gravity | Pump or gravity |
| Weight | 2.50 kg | 5.00 kg |

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Non-exhaustive list of chemical products suitable for use with LDR 200 NT and 323 NT devices.

| | | |
|-----------------------------|-----------------------------|-----------------------------|
| 1 - isopropyl acetate | 34 - gasoline C | 67 - naphtha |
| 2 - ethyl acetate | 35 - gasoline E | 68 - pentane |
| 3 - butyl acetate | 36 - gasoline F | 69 - perchlorethylene |
| 4 - ethyl glycol acetate | 37 - 92/98 RON gasoline | 70 - lamp oil |
| 5 - acetone | 38 - turpentine oil | 71 - deodorised naphtha |
| 6 - rosolic acid | 39 - miscellaneous gasoline | 72 - propanol |
| 7 - hexavanadic acid | 40 - nitrobenzene | 73 - solvesso 150 (white) |
| 8 - acetic acid | 41 - ethyl glycol | 74 - shellsol A |
| 9 - methylated spirit | 42 - exxsol 140/170 | 75 - shellsol E |
| 10 - methylated alcohol 95° | 43 - glycol | 76 - shellsol K |
| 11 - alcohol 90° | 44 - glycerol | 77 - shellsol R |
| 12 - methanol | 45 - hexane | 78 - shellsol T |
| 13 - ethyl alcohol | 46 - hexylene glycol | 79 - regenerated solvents |
| 14 - isopropyl alcohol | 47 - dust laying oil | 80 - used solvents |
| 15 - isobutyl alcohol | 48 - light AD oil | 81 - naphtha solvent 90/170 |
| 16 - normal butylic alcohol | 49 - A1 oil | 82 - naphtha solvent 90/160 |
| 17 - anthracene | 50 - ROB 108 linseed oil | 83 - total heavy solvent S3 |
| 18 - antifreeze | 51 - coal tar oil | 84 - total heavy solvent S6 |
| 19 - benzene | 52 - mineral oil | 85 - carbon disulphide |
| 20 - benzol | 53 - vegetable oil | 86 - toluene |
| 21 - black varnish | 54 - oil ref. P 223 | 87 - telura ref. 168 |
| 22 - butanol | 55 - IPA 91 | 88 - trichloroethylene |
| 23 - buthylglycol | 56 - IPA 99 | 89 - carbon tetrachloride |
| 24 - dark carbonyl | 57 - isopropanol | 90 - varsol |
| 25 - light carbonyl | 58 - A1 jet | 91 - white spirit B.T.A. |
| 26 - benzol chloride | 59 - methyl ethyl ketone | 92 - ordinary white spirit |
| 27 - coal tar | 60 - methyl isobutyl ketone | 93 - xylene |
| 28 - diethylene glycol | 61 - methyl glycol | |
| 29 - dioctyl phtalate | 62 - methanol | |
| 30 - dilutine M5 | 63 - monopropylene glycol | |
| 31 - solvent ref. 7031 | 64 - monoethylene glycol | |
| 32 - dutrex ref. 238 FC | 65 - M.E.K. | |
| 33 - gasoline A | 66 - M.I.B.K. | |