

Technical datasheet No.: SECENV-LDR

Product code: 308 278 / 308 276 / 308 274

Date: 08/02/2018

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Replaces: 26/09/2017

Designation

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

Application

Designed for liquid petroleum fuels: heating oil, diesel fuel, gasoline, lead-free and leaded gasoline.

Operating

- ✓ Delivered ready-to-fit: on the filling tube inside the tank.
- ✓ A dip tube must be fitted under the OPD to prevent turbulence or foam forming (risk of accidental or premature closure).
- ✓ Complete and automatic closure at level N1 with the possibility of draining the filler hose and pipe (min. draining volume: 150 L).
- ✓ Complete and automatic closure at level Nmax without possibility of reopening.

+ Product

- ✓ The best high flow on the market for a shorter filling
- ✓ High reliability and durability of operation
- ✓ High material resistance, an all-metal product (no seal, no gasket, no maintenance)
- ✓ Provides a complete and automatic closure
- ✓ Suitable for gravity or pressure filling operation
- ✓ Operational test on every unit
- ✓ A cable tester is available as an option

Characteristics & standards

- ✓ Suitable for use in group IIB potentially explosive atmospheres
- ✓ ATEX Ex II 1 G c IIB T6 marking
- ✓ ATEX : INERIS 07ATEX0037 EC-type examination certificate
- ✓ ATEX : Production Quality Assurance Notification INERIS 07ATEXQ404
- ✓ Compliant with Directive 2014/34/EU
- ✓ Compliant with the following standards:
 - EN 13616 - Subtype A2 (The equipment is not affected by substantial modifications of the EN 13616-1 : 2016 standard)
 - KIWA BRL-K-636/03 (Netherlands) *
 - Vlarem II (Belgium) *
 - UL 2583 (United States) *
 - CAN/ULC-S661-10 (R2016) (Canada) *

(*) Attention! The item reference differs depending on the country of destination. Please contact us.

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 Climax are for information only and can in no circumstances be used contractually.

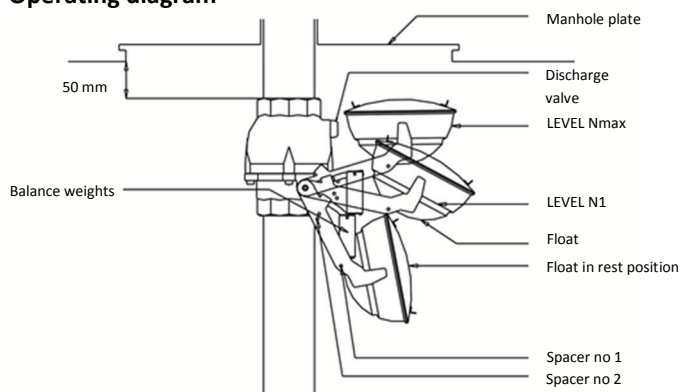
Warranty

12 months provided fitting and operating instructions are observed.

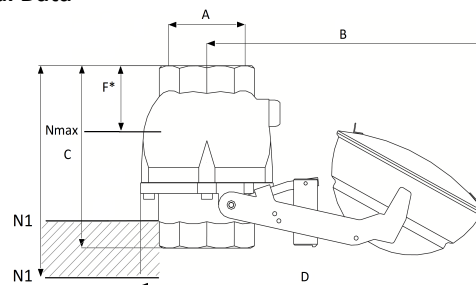


EN 13616

Operating diagram



Technical Data



| Product code | 308 278 | 308 276 | 308 274 |
|------------------------------|-----------------------|-----------------------|-----------------------|
| Dimension | Type DN 50 | Type DN 80 | Type DN 100 |
| A (mm) | ∅ 50/60 | ∅ 80/90 | ∅ 102/114 |
| B (mm) | 300 | 330 | 330 |
| C (mm) | 159 | 207 | 193 |
| D (mm) | 350 | 406 | 406 |
| F* (mm) | 80 | 65 | 85 |
| Range N1 – gravity (mm) | 175-180 | 180-205 | 150-190 |
| Range N1 - pressure (mm) | 175-200 | 180-265 | 150-225 |
| Construction | Type DN 50 | Type DN 80 | Type DN 100 |
| Body | Aluminium | Aluminium | Aluminium |
| Float | DC 04 grade steel | DC 04 grade steel | DC 04 grade steel |
| Balance weight valve | Nickel-plated brass | Nickel-plated brass | Nickel-plated brass |
| Balance weight pin | AS 300 grade steel | AS 300 grade steel | AS 300 grade steel |
| Fastenings and other parts | Stainless steel | Stainless steel | Stainless steel |
| Operating | Type DN 50 | Type DN 80 | Type DN 100 |
| Connection | G2" BSP F/F | G3" BSP F/F | G4" BSP F/F |
| Min. pressure | 0,15 bar | 0,15 bar | 0,15 bar |
| Max. pressure | 6 bar | 8 bar | 8 bar |
| Min. flow | 1,4 m ³ /h | 3,6 m ³ /h | 3,6 m ³ /h |
| Max. flow | 40 m ³ /h | 60 m ³ /h | 84 m ³ /h |
| Max. liquid viscosity rating | 55 cSt | 55 cSt | 55 cSt |
| Working temperature | -25°C to +60°C | -25°C to +60°C | -25°C to +60°C |
| Type of filling | Pump or gravity | Pump or gravity | Pump or gravity |
| Weight | 3,50 kg | 6,00 kg | 6,20 kg |