

Technical datasheet No.: SECENV-LDR
Product code: 308 278 / 308 276 / 308 274

Date: 26/09/2017
Replaces: 25/07/2017

Page: 1/1

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)*

() 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

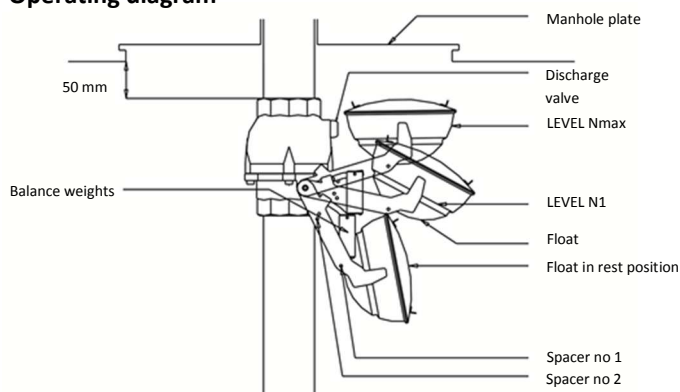
12 months provided fitting and operating instructions are observed.



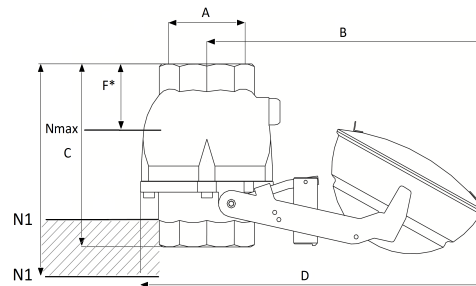
EN 13616



Operating diagram



Technical Data



Product code	308 278	308 276	308 274
Dimension	Type DN 50	Type DN 80	Type DN 100
A (mm)	ø 50/60	ø 80/90	ø 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