

Data Sheet: SECENV-LDR\_EN

Product code: 308 278 / 308 276 / 308 274

Date: 03/09/2025

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Replaces: version 29/07/2025

**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.


**Operation**

- ✓ Delivered ready-to-fit: on the fill pipe inside the tank.
- ✓ Assembly on 2", 3" or 4" male BSPP threaded socket.
- ✓ 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 L1 with the possibility of draining the filler hose and pipe (min. draining volume: 150 L).
- ✓ Complete and automatic closure at level Lmax without possibility of reopening.
- ✓ Levels L1 and Lmax are provided as a guide.

**Product benefits**

- ✓ High reliability and durability of operation
- ✓ High material resistance, an all-metal product (no seal, no maintenance, no gasket)
- ✓ 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 be used in group IIB potentially explosive atmospheres
- ✓ ATEX marking:  IIB G  
Ex h IIB T6 Ga
- ✓ ATEX: INERIS 24ATEX0004 EU-type examination certificate
- ✓ ATEX: Production Quality Assurance INERIS 07ATEXQ404
- ✓ Compliant with Directive 2014/34/UE
- ✓ Compliant with the following standards:
  - NF EN 13616-1: 2016
  - KIWA BRL-K636/03 (Netherlands) \*
  - ANSI/CAN/UL/ULC 2583:2021 (United States/Canada) \*

(\*) Note! The article reference differs depending on the product's use. Please consult us.

**Composition**

Delivered with assembly instructions and aluminium identification plate.

**Compatibility**

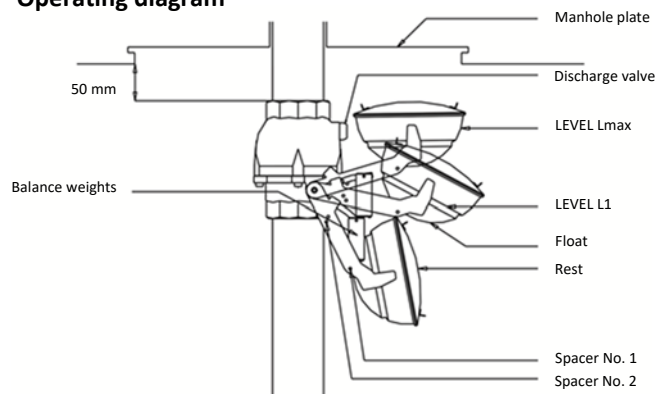
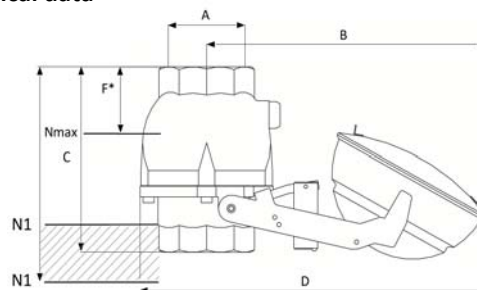
Before installing check the compatibility between the OPD and the nature of the liquid stored in the tank. The overfill prevention devices for hydrocarbons are compatible with group 1, 1a and 3 products as per Appendix C of standard EN 14879-4: 2007. Due to the compatibility of group 3 and as per table C.1 of standard EN 14879-4:2007, overflow prevention devices for hydrocarbons are also compatible with groups 3a and 3b of Appendix C of standard EN14879.

**Warranty**

12 months provided that the assembly and operating instructions are followed.



NF EN 13616-1

**Operating diagram****Technical data**

Product code	308278	308276	308274
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 L1 - gravity (mm)	175-180	180-205	150-190
Range L1 - pump (mm)	175-200	180-265	150-225
<b>Construction</b>	<b>Type DN 50</b>	<b>Type DN 80</b>	<b>Type DN 100</b>
Body	Aluminium	Aluminium	Aluminium
Float	Steel DC 04	Steel DC 04	Steel DC 04
Balance weight, valve	Brass	Brass	Brass
Balance weight pin	Steel AS 300	Steel AS 300	Steel AS 300
Fasteners and other parts	Stainless steel	Stainless steel	Stainless steel
<b>Operation</b>	<b>Type DN 50</b>	<b>Type DN 80</b>	<b>Type DN 100</b>
Connection	G2" BSPP F/F	G3" BSPP F/F	G4" BSPP F/F
Min. pressure	0.15 bar	0.15 bar	0.15 bar
Max. pressure	6 bar	8 bar	8 bar
Min. flow rate	1.4 m³/h	3.6 m³/h	5.6 m³/h
Max. flow rate NF EN 13616-1	21 m³/h	54 m³/h	84 m³/h
Max. flow rate tested internally	40 m³/h	60 m³/h	84 m³/h
Max. liquid viscosity	55 cSt	55 cSt	55 cSt
Temperature	-25°C to +60°C	-25°C to +60°C	-25°C to +60°C
Discharging type	Pump or gravity	Pump or gravity	Pump or gravity
Weight	3.50 kg	6.00 kg	6.20 kg