



Solutions and applications for safety during tank filling.

OVERFILL PREVENTION DEVICE

For petroleum products
For the chemical industry
For special applications





SelfClimat, stands for overall expertise in the management of the storage of pollutant liquids in tanks.

Safety & the Environment

THE COMPANY

Every day, **Self Climat** develops solutions and processes for optimising the safety of liquid storage in static tanks.

- Represented worldwide in more than **25 countries**;
- More than **80 historic partners** recognised in international markets;
- Distributed mainly in **France, Europe and Africa**;
- **Specially qualified** personnel for production and quality control;
- Over **10,000 units** produced annually by the factory in Torcy (77) France;
- A sales department that is **available and attentive** for all your engineering, installation or counselling projects.

SelfClimat has been present for many years in the petroleum and industrial fields; the company faithfully continues the original Swiss savoir-faire in the manufacture of the overfill prevention device.

The **SelfClimat** overfill prevention device is a mechanical safety device for preventing liquid overflowing during the filling of a static storage tank.

It is recommended by the majority of oil companies and has become the **equipment of choice** in industry in general. It is mainly used for:

- Filling station tanks;
- Tanks in private and independent fuel storage facilities;
- Storage of widely differing liquids such as bio-fuels, oils, alcohols, solvents, etc.



THE EXPERT IN OVERFILL PREVENTION DEVICES

SINCE 1969

Their savoir-faire covers a large number of sectors of activity : petroleum, parapetroleum, chemical, industry, nuclear and many other sectors.



1 Type N OPD for petroleum products

(Aluminium body and steel float)

For liquid petroleum fuels: Domestic heating oil, diesel fuel, lead-free petrol and lead replacement petrol.



2 Type NT OPD for the chemical industry

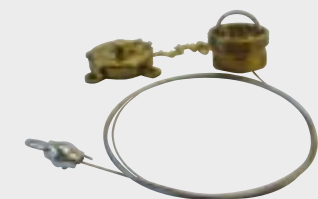
(anodised aluminium body and stainless steel float)

For aviation fuel, other petroleum products, miscellaneous oils and alcohols.



3 OPD 100 % Stainless steel

For liquids with water present or highly corrosive liquids where only stainless steel is compatible.



4 OPD tester

(Optional accessory)

A means for manually checking that the device operates properly once it is fitted in the tank (the float should move freely from its bottom position to its top position).

Model	Size (inches)	Flow (m ³ /h)	Pressure (bars)	Weight	Reference
DN50 Type 200 N petroleum	2"	40	6	3,50	308 278
DN80 Type 323 N petroleum	3"	60	8	6,00	308 276
DN100 Type 423 N petroleum	4"	60	8	6,20	308 274
DN50 Type 200 NT chemical industry	2"	40	6	2,50	308 279
DN80 Type 323 NT chemical industry	3"	60	8	5,00	308 277
DN80 Stainless steel (100% s/s)	3"	60	8	9,80	308 268
OPD tester (optional accessory)	-	-	-	0,20	308 267

A RELIABLE AND GUARANTEED DEVICE



Through its continuous efforts the company has obtained the following certifications:

- Compliance with the French NF EN 13616 standard;
- Compliance with the Dutch KIWA BRL - K636 standard;
- Compliance with the Belgian Vlare II standard;
- Compliance with European Directive 94/9/EC;
- ATEX certification - CE0080 II1 G c IIB T6 marking.

A presentation video

A 3D animation

A virtual simulation

Available online on www.selfclimat.com

To learn all about the overfill prevention device.



THE CHOICE OF STRENGTH



SelfClimat overfill prevention devices differ from their competitors by their strong construction. With its precision mechanical systems and unparalleled finish, the product provides a very high level of safety.

- Supplied ready for fitting;
- An all-metal product (no seals, maintenance or adjustment);
- Total 100% closing (not a reduction in filling flow);
- Gravity or pumped filling operation;
- Individually tested on a test rig to receive an individual unique serial number.

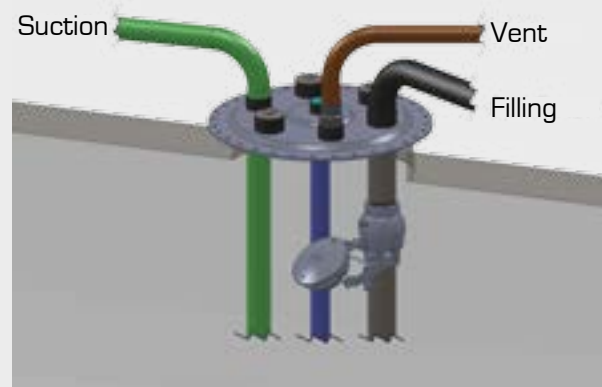
The overfill prevention device is produced in various models (type N, NT and Stainless Steel).

The materials used and the treatment to which the parts are subjected provide compatibility with a large number of pollutant liquids.

The working principle of the devices is the same, especially the closure by hydraulic pressure to prevent liquid overflowing.



Cross section of an OPD, rear view.



QUALITY CONTROL

SelfClimat very quickly adopted a policy centred on Quality and the Environment.

The company has an inspection office, and measurement tools calibrated and certified by independent external organisations.

The thorough inspection of incoming parts together with the final testing of the device after production contribute to better product quality and enable its proper operation on delivery to be guaranteed.



Safety & the Environment

COMPLEMENTARY PRODUCTS

To complete the range **SelfClimat** proposes other storage tank safety equipment.

Fuitalarme 16 SC without relay / 16 SC.R with relay

Leak detection system for double wall tanks.
ATEX certified - Marking: $\text{II (1) G [Eex ia] IICA}$.
Complies with the French NF EN 13160-3 standard.

Fuitalarme 16 SC / SC.R illustration diagram



SmartBox 1, 2, 3, 4 and 4 Pro electronic gauges

Hydrostatic level probe, reading accuracy 1%, max. tank height 3 m.
Compatible with domestic heating oil, water, oil, AdBlue, etc.
For other liquids please contact the company.

SmartBox 4 illustration diagram



New SmartBox 4 / 4 Pro:

Collect your data remotely via SMS and with Smart Inspector software.

Free demonstration on www.smart-inspector.com