

# 442S OVERFILL PREVENTION VALVE SHORT



II 1G Ex h IIB T6 Ga

The Overfill Prevention Valve Ridart is used to prevent any possible overfill during charging hazardous or dangerous fluids.

- Application: petrochemical, pharmaceutical & more.
- Valve opens and closes automatically.
- No residual liquid in pipe at the end of loading process.
- The operator cannot leave the pump during the refueling process.

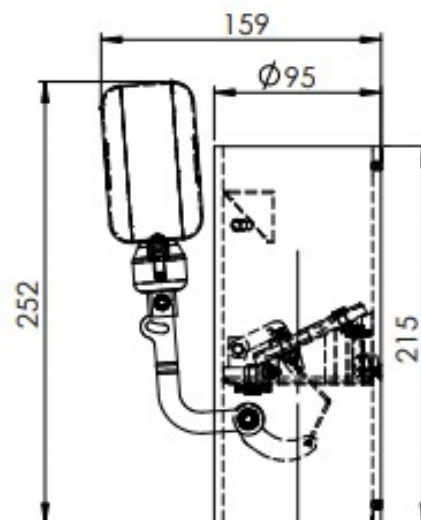
It's a Safety Device in according with Directives ATEX 2014/34/EU, EN ISO 13616-1:2016, EN ISO 80079-36:2016, Technical Norm Fire Prevention 41/256 31/10/2019, d.P.R. 10/520 19/03/1955 and subsequent amendments.

## Attention

\* Flow and Turbulence should modify initial and final closure level by  $\pm 20\%$ .

The best performances allowed by the new regulation:

- Max operational pressure 8 bar for pressure filling.
- Loading process needs operator supervisor.



## Features

- ♦ Gravity or pumped filling
- ♦ Remote or direct filling
- ♦ No risk of fire or fuel leaking
- ♦ Easy installation with drop and riser pipe (delivered on request)

## Specification

PRODUCT	442S
CODE	442S-80 AL
INSTALLATION	VERTICAL
THREAD UP	3" F BSPP
THREAD DOWN	3" F BSPP
HEIGHT BODY	252
INITIAL CLOSURE LEVEL*	160 mm
FINAL CLOSURE LEVEL*	110 mm
MIN FLOW l/min (230 mbar)	60 norm requested
MAX FLOW l/min (8 bar)	900 norm requested
BODY	ALUMINIUM
SCREWS	STAINLESS STEEL
POPPET	STAINLESS STEEL
SEALS	PTFE + CARBON
FLOAT	PE HD + ALUMINIUM SPUTTERING
SUPPORT	STAINLESS STEEL
SPRING	STAINLESS STEEL

## Chemical Suitability

- Aluminium standard model is for traditional fuel without additives.

## Identification Plate

- Fix identification plate next to unloading plant



## Installation

- Protection System is unidirectional and only for horizontal installation.
- For correct installation follow the Directives and product User Manual.
- For custom application or maintenance write to: [quality@ridart.it](mailto:quality@ridart.it).
- Declaration of Conformity and User Manuals are available on: [www.ridart.it/support](http://www.ridart.it/support).

Before proceeding with installation be sure that valve model is in compliance with local/national laws which regulate this specific device in relation to tank capacity requirements, normally 90%.

In order to prevent product spillage from the storage tank, forecourt workers must be trained and managed to inspect the loading adaptors and hoses for damaged or missing components. When loading equipment is not properly maintained or connections between adaptors and elbows or drain hose are not correctly performed fuel spills may result causing environmental contamination and explosion risk.

## Maintenance

- Periodically check the device is necessary to remove possible dirty.
- The overfill prevention valve must be properly stored, handled and kept in good condition to prevent the entry of particles or the deposit of dust in the moving parts
- Any maintenance activities must be carried out solely by specialized staff and according to the procedures defined by the general instruction manual and only with tools in conformity with the provisions of Appendix A of the EN 1127-1 or by ensuring the absence of an explosive atmosphere
- In case of tampering warranty expires and safety protection is not guaranteed.



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and select the appropriate  
Overfill Prevention Valve