



Overfill prevention devices

Mod. 442 - 422 PTFE - 442 SS



APPLICATION

It's a Safety Device in according with Directives ATEX 2014/34/EU, ISO EN 13616-1, Technical Norm Fire Prevention 41/256 31/10/2019, d.P.R. 10/520 19/03/1955 and subsequent amendments. Valve is used to prevent any possible overfill during charging hazardous or dangerous fluids.

- Application: petrochemical, food, 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 refuelling process.

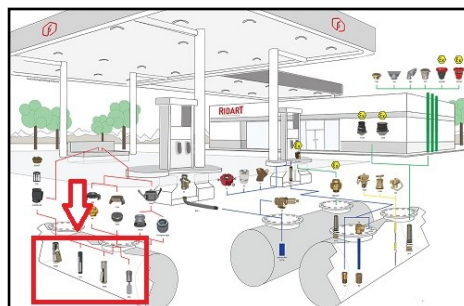
CE Ex II 1G c IIB T6

ATTENTION

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

The best performances allowed by the new regulation:

- Max operational temperature 60°C.
- Max operational pressure 8 bar for pressure filling.
- Loading process needs operator supervisor.



CHEMICAL SUITABILITY

- Standard model is for traditional fuel without additives.
- "PTFE" coated model is for special fuel, non-aggressive solvents or chemical products.
- "SS" model is for aggressive solvents, acids or bases (ON DEMAND).

DIMENSIONS and DETAILS

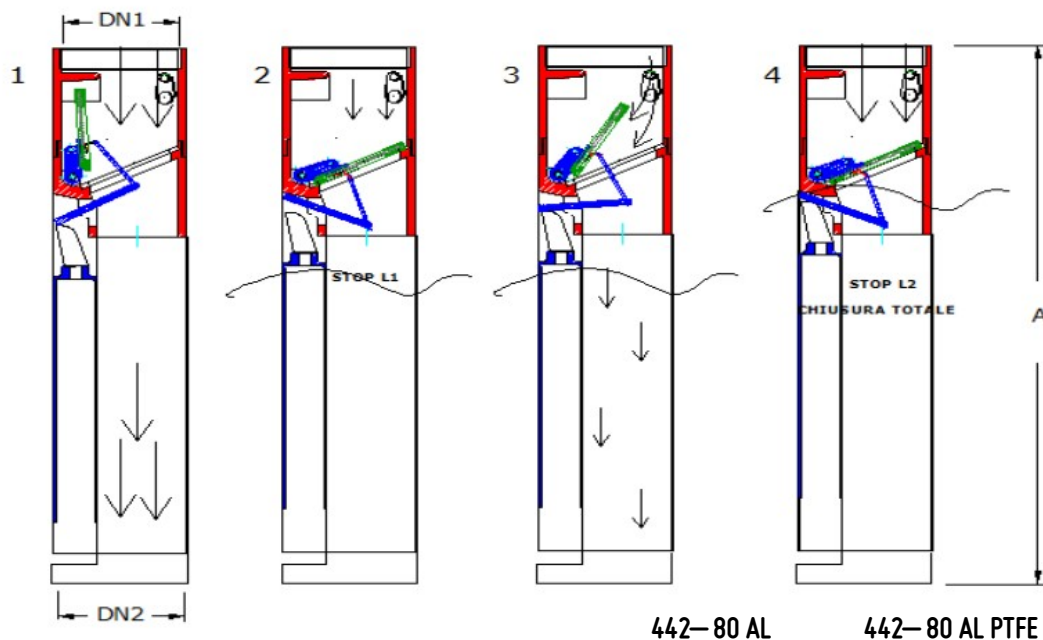
PRODUCT	442	442	442
CODE	442-80 AL	442-80 AL PTFE	442-80 SS
INSTALLATION	VERTICAL	VERTICAL	VERTICAL
THREAD DN1	3" F BSPP	3" F BSPP	3" M BSPP
THREAD DN2	3" F BSPP	3" F BSPP	(2" F BSPP on demand)
HEIGHT BODY	390	500	490
TYPE OF FILLING	GRAVITY or PUMP	GRAVITY or PUMP	GRAVITY or PUMP
INITIAL CLOSURE LEVEL*	250 mm below the valve top	250 mm below the valve top	250 mm below the valve top
FINAL CLOSURE LEVEL*	180 mm below the valve top	180 mm below the valve top	180 mm below the valve top
MIN FLOW l/min (230 mbar)	20 tested (60 norm requested)	20 tested (60 norm requested)	20 tested (60 norm requested)
MAX FLOW l/min (8 bar)	1100 tested (900 norm requested)	1100 tested (900 norm requested)	1100 tested (900 norm requested)
BODY	ALUMINIUM	AL + PTFE CARBON COATING	STAINLESS STEEL
SCREW	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL
POPPET	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL
SEALS	TEFLON® + CARBON	TEFLON® + CARBON	TEFLON® + CARBON
FLOATING	PP HD + CARBON	STAINLESS STEEL	STAINLESS STEEL
SUPPORT	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL
SPRING	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL

RIDART s.r.l. via Adua, 17 - 21045 Gazzada Schianno (VA) ITALY P.IVA/C.F. IT 01454770122

www.ridart.it info@ridart.it +39 0332 463301

Product Certification, Declaration of Conformity, User Manual and Testing on: www.ridart.it/support

The Data and Images are not binding. We reserve the right to make changes without notice. Pressure & Flow Tolerances $\pm 20\%$.



442-80 AL

442-80 AL PTFE

442-80 SS



FUTURES

- Gravity or pumped filling
- Remote or direct filling
- Two stage positive shut off
- No risk of fire or fuel leaking
- Fast drain hose emptying (less than 30 sec /mt.)
- Accept gauging dip stick
- Easy installation with drop and riser pipe (delivered on request)
- Installable in an existing tube

INSTALLATION

- Protection System is unidirectional and only for vertical installation.
- For correct installation follow the Directives and product User Manual.
- For custom application or maintenance write to: quality@ridart.it
- Declaration of Conformity and User Manuals are available on: 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%.

The valve can be installed under the manhole lid of the tank in an existent 4" riser pipe, there is no need to remove the manlid. The valve can be pre-assembled in factory with aluminum drop tube, normally 150cm long, and/or riser pipe of the length according to the customer request. For detailed installation procedure consult our user manual.

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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To choose the correct overfilling valve, scan QRcode and fill in the form:



YOU MAY ALSO BE INTERESTED IN:

CODE	DESCRIPTION	
442B-80 AL	Overfill prevention valve 3" Mod. 442B	
442B-100 AL	Overfill prevention valve 4" Mod. 442B	
446-50 AL	Overfill prevention valve 2" Mod. 446	
442S-80 AL	Overfill prevention valve Short 3" Mod. 442S	
4420R-80 AL	Overfill prevention valve horizontal 3" Mod. 442R	
1102-80-150	Drop tube 3" h. 1500 mm Mod. 1102	
1102-100-150	Drop tube 4" h. 1500 mm Mod. 1102	
1102-80-50 SUP	Riser pipe with collar and rivets Mod. 1102 SUP	
1102-80-100 SUP	Riser pipe with collar and rivets 3" h. 1000 mm Mod. 1102 SUP	

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