



Overfill prevention devices

Mod. 4420R



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.



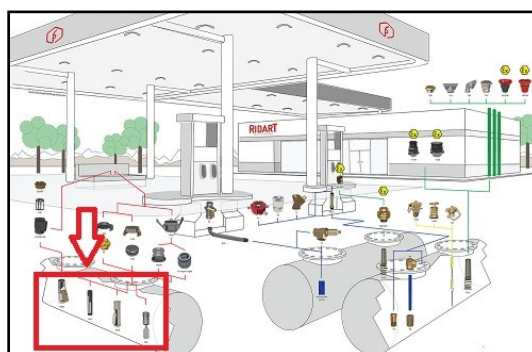
CE Ex II 1G c IIB T6

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.

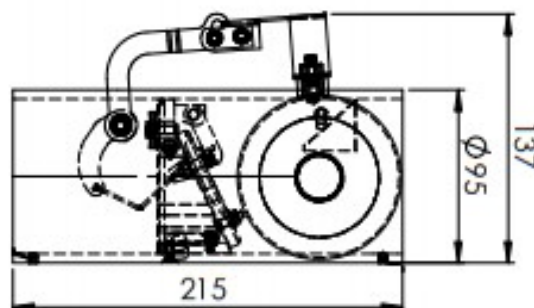
CHEMICAL SUITABILITY

- 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.



DIMENSIONS

PRODUCT	4420r-80 AL
INSTALLATION	HORIZONTAL
THREAD A	3" F BSPP
THREAD B	3" F BSPP
HEIGHT BODY	95
INITIAL CLOSURE LEVEL*	100x35 mm below the valve
FINAL CLOSURE LEVEL*	0 mm below the valve
MIN FLOW l/min (230 mbar)	30 tested (60 norm requested)
MAX FLOW l/min (8 bar)	1000 tested (900 norm requested)



Mod. 4420R-80 AL CLOSED



PART	4420R AL	4420R PTFE	4420R SS
CODE	4420R— 80 AL	4420R— 80 PTFE	4420R— 80 SS
BODY	ALUMINIUM	AL + PTFE COATING	STAINLESS STEEL
SCREWS	STAINLESS STEEL		
POPPET	STAINLESS STEEL		
SEALS	TEFLON® + CARBON		
FLOATING	PE HD + Cr SPUTTERING		STAINLESS STEEL
SUPPORT	STAINLESS STEEL		
SPRING	STAINLESS STEEL		

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

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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 $\pm 20\%$.

FUTURES

- Pumped filling
- Two stage positive shut-off
- Fast loading operation 1000 lt/min
- Remote or direct filling
- No risk of fire or fuel leaking
- Easy installation

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
- 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 overfill prevention valve is compatible with all commonly used hydrocarbons. All pipes are BSP threaded.

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.

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



YOU MAY ALSO BE INTERESTED IN:

CODE	DESCRIPTION	
442-80 AL	Overfill prevention valve 3" Mod. 442	
446-50 AL	Overfill prevention valve 2" Mod. 446	
442S-80 AL	Overfill prevention valve Short 3" Mod. 442S	
442B-100 AL	Overfill prevention valve 4" Mod. 442	

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