



# Overfill prevention devices

Mod. 4420R



## APPLICATION

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. Valve 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.



II 1G Ex h IIB T6 Ga

## 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.

## CHEMICAL SUITABILITY

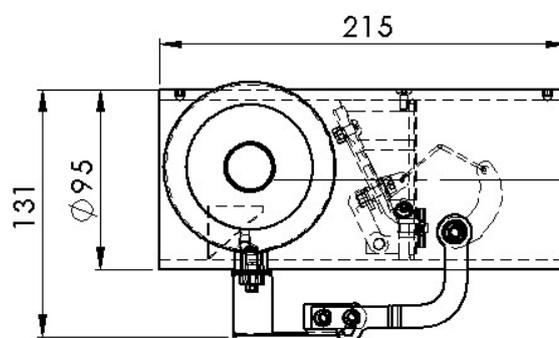
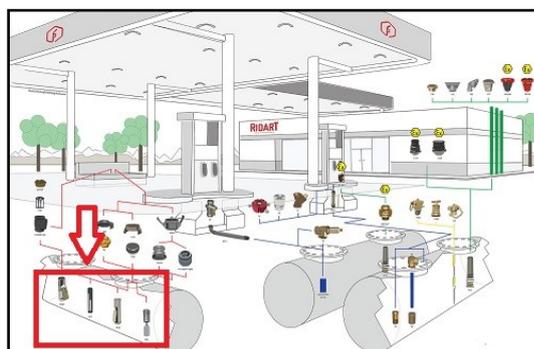
- Standard model is for traditional fuel without additives

**ON REQUEST:**

- "PTFE" coated model is for special fuel, non-aggressive solvents or chemical products.
- Brass Free

## DIMENSIONS

<b>PRODUCT</b>	<b>4420R-80 AL</b>
<b>INSTALLATION</b>	HORIZONTAL
<b>THREAD A</b>	3" F BSPP
<b>THREAD B</b>	3" F BSPP
<b>HEIGHT BODY</b>	95
<b>INITIAL CLOSURE LEVEL</b>	170 mm
<b>FINAL CLOSURE LEVEL</b>	90 mm
<b>MIN FLOW l/min (230 mbar)</b>	60 norm requested
<b>MAX FLOW l/min (8 bar)</b>	900 norm requested
<b>OVERALL INSTALLATION</b>	250/270 mm



PART	4420R AL	4420R PTFE
<b>CODE</b>	<b>4420R-80 AL</b>	<b>4420R-80 PTFE</b>
<b>BODY</b>	ALUMINIUM	AL + PTFE COATING
<b>OTHERS</b>	BRASS	STAINLESS STEEL
<b>SCREWS</b>	STAINLESS STEEL	
<b>POPPET</b>	STAINLESS STEEL	
<b>SEALS</b>	PTFE + CARBON	
<b>FLOATING</b>	PE HD + ALLUMINIUM SPUTTERING	
<b>SUPPORT</b>	STAINLESS STEEL	
<b>SPRING</b>	STAINLESS STEEL	

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Product Certification, Declaration of Conformity, User Manual and Testing on: [www.ridart.it/support](http://www.ridart.it/support)

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

## FEATURES

- Pumped filling
- Remote or direct filling
- No risk of fire or fuel leaking
- Easy installation



## 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%. 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 QR Code and fill in the form:

