



In-Line Deflagration Flame Arrester

Mod. 425 EN P



APPLICATION

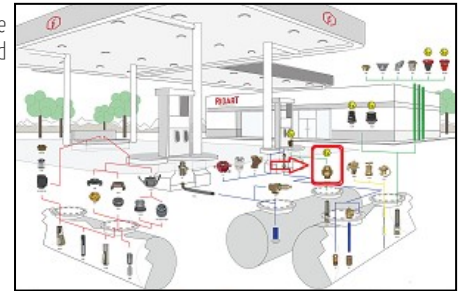


It's a Protection System with ribbon coil: deflagration in-line flame arrester in according with Directive 2014/34/EU and harmonized standard EN ISO 16852:2016.

- Used for hydrocarbons or chemical pipeline.
- Stage I vapor recovery compliant.
- The Flame Arrester avoids propagation of fire into the piping.
- Surface Protection System is for all ATEX zone (0, 1 and 2).

The best performances allowed by the new regulation

- Max distance from the potential ignition is 50 pipe's diameter.
- Max operational pressure (relative) is 0,1 bar.



CE 477 Ex G IIB3

GAS & VAPOR COMPATIBILITY

Inflammable gases and vapours classification is necessary to correct use of flame arrester. UE-Type Examination Certificate EPT 18 ATEX 3053 X is for Explosion Group "IIB3" tested with Ethylene and compatible for all gas with MESH > 0.65 mm for example: Ammonia, Industrial methane, Blas-furnace gas, Carbon monoxide, Propane, Butane, Pentane, Esane, Eptane, Iso-octane, Decane, Benzene, Xilene, Cyclohexane, Acetone, Ethyl-methyl-ketone, Methyl acetate, Ethyl acetate, Normal propyl acetate, Normal butyl acetate, Amyl acetate, Cloroethylene, Methanol, Ethanol, Iso Butanol, Normal Butanol, Amyl alcohol and Ethyl nitrite. Use only for gas or vapor with MESH > 0.65 mm. Burning rating BC=b, $t_{BT}=1$ min. Max operational temperature 60°C.

#	PART	425 ENP	425 EN P PTFE
1	BODY	ALUMINIUM	AL + PTFE COATING
3	RIBBON COIL	STAINLESS STEEL	
2	THREAD RING	BRASS	BRASS + PTFE COATING

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.
- "SS" model is for aggressive solvents, acids or bases.

CODE	425-50 EN P	425-80 EN P	425-150 EN P
PROTECTED SIDE	BIDIRECTIONAL	SUPPORT SIDE	
HEIGHT A	30	32	32
DIAMETER B	125	160	240
HOLES C	n°4 x 18 mm	n°4 x 18 mm	n°8 x 16.5 mm
PIPE SIZE	2"	3"	4"
FLOW l/min (230 mbar)	400	600	1200
FLOW l/min (8 bar)	2160	2600	3750



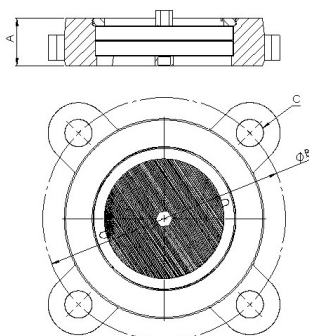
Mod. 425-150 EN P PTFE



Mod. 425-80 EN P & 425-50 EN P



Mod. 425 EN P



INSTALLATION

- In-line flame arrester is for vertical or horizontal installation.
- Protection System is 2" bidirectional and 3" 4" unidirectional, safety is the supported side.
- For correct installation follow the Directives and product User Manual.
- Explosion Group is "IIB3" in according with EN ISO 16852 (MESG > 0.65 mm).
- Contact our technical department for custom application or maintenance by email to: quality@ridart.it
- Product Certification, Declaration of Conformity and User Manuals are available on: www.ridart.it/support

MAINTENANCE

- Always replace the product after fire or deflagration.
- In case of tampering warranty expires and safety protection is not guaranteed.

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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 ±20%.