

# 330 EN P

## In-Line Deflagration Flame Arrester

It's a Protection System with ribbon coil deflagration in-line flame arrester 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.



BRASS



STAINLESS STEEL

## 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 MESG > 0.65 mm for example: Ammonia, Industrial methane, Blast-furnace gas, Carbon monoxide, Propane, Butane, Pentane, Ethane, Eptane, Iso-octane, Decane, Benzene, Xylene, Cyclohexane, Acetone, Ethyl-methyl-ketone, Methyl acetate, Ethyl acetate, Normal propyl acetate, Normal butyl acetate, Amyl acetate, Chloroethylene, Methanol, Ethanol, Iso Butanol, Normal Butanol, Amyl alcohol and Ethyl nitrite. Use only for gas or vapor with MESG > 0.65 mm.

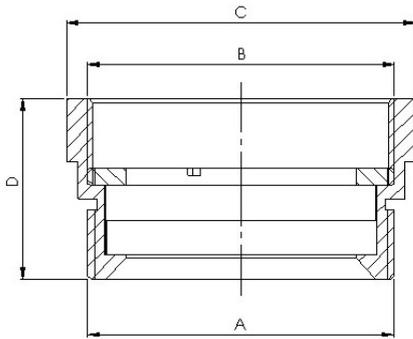
Burning rating BC=b,  $t_{BT}=1$  min. Max operational temperature 60°C.

## Chemical Suitability

- Standard model is for traditional fuel without additives.
- The "SS" model (Stainless Steel) is suitable for aggressive solvents, acids or bases.

## Specification

PART	330 EN P	330 EN P SS
1 BODY	BRASS	STAINLESS STEEL
3 RIBBON COIL & SUPPORT	STAINLESS STEEL	STAINLESS STEEL
2 THREAD RING	BRASS	STAINLESS STEEL



<b>BRASS CODE</b>	085691 EN P	085694 EN P	085696 EN P	085760 EN P	085790 EN P
<b>INOX CODE</b>	085692 EN P	085639 EN P	085697 EN P	085761 EN P	085791 EN P
<b>PROTECTED SIDE</b>	MALE BSPP	MALE BSPP	MALE BSPP	MALE BSPP	MALE BSPP
<b>THREAD A</b>	1" M BSPP	1 1/2" M BSPP	2" M BSPP	3" M BSPP	4" M BSPP
<b>THREAD B</b>	1" F BSPP	1 1/2" F BSPP	2" F BSPP	3" F BSPP	4" F BSPP
<b>DIAMETER C</b>	40	60	70	100	120
<b>HEIGHT D</b>	57	50	60	65	62
<b>TEST PRESSURE</b>					
<b>AIR FLOW</b>	75 l/min	500 l/min	950 l/min	2500 l/min	3700 l/min
<b>5000 l/min (35 mbar)</b>					

## Installation

- In-line flame arrester is for vertical or horizontal installation.
- Protection System is unidirectional, the safety side is the FEMALE thread.
- For correct installation follow the Directives and product User Manual.
- For the installation of flame arresters it is necessary to strictly comply with the L/D ratio (pipe length/pipe diameter) and insure that the distance between potential ignition sources and the flame arrester does not exceed the max ratio of 50 L/D that corresponds to explosion group IIA and IIB3 (NEC groups D to C) according to EN ISO 16852.
- Explosion Group is "IIB3" in according with EN ISO 16852 (MESG > 0.65 mm).

## Maintenance

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