

## FLAME ARRESTER Section 2.8

### DETONATION PROOF FLAME ARRESTER

#### TIDF IN LINE DEFLAGRATION FLAME ARRESTER (GAS GROUP: IIB)



#### Benefits

- Meet USCG, IMO MSC/Circ,677 & EN ISO 16852 requirements
- Designed for explosion & deflagration proof
- Maximum Capacity & Minimum Pressure drop
- Capability of Bi-directional flow
- Quick & Easy removable element
- Very easy cleaning & maintenance
- Available horizontal & vertical installation
- High quality corrosion & chemical resistance

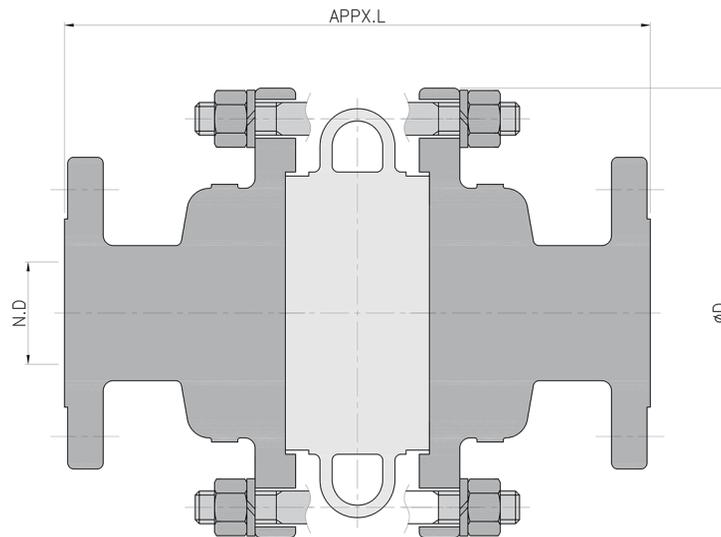
#### ■ Introduction ■

- The model TIDF end of line flame arrester is designed, manufactured and tested according to IMO MSC/Circ.677 , MSC.1/Circ.1324 , MSC.1/Circ.1325 and EN ISO 16852.
- The TIDF flame arresters provide to protection for propagation of deflagration type of flame in piping system. The unit are passive devices with no moving parts.
- They are also designed to protect against continuous burning against the 316LSS flame cell for a specific period.
- The standard flame cell is suitable for NEC group C or IEC IIB gases. Cells for other gas groups are available as additional extras.
- The flame arresters are available with either carbon steel (epoxy coated), 304SS, or 316SS housing with 316LSS flame cells.

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#### Dimension Table

Unit = mm

Size	2"	3"	4"	6"	8"	10"	12"
N.D	50	100	125	150	200	250	300
ØD	220	280	320	445	545	650	750
APPX.L	295	350	360	425	450	475	530

Note: Standard flanges is ANSI 150lb and other connections are available upon request.

#### Materials of Construction

NO.	DESCRIPTION	MATERIAL			
		SPEC.1	SPEC.2	SPEC.3	SPEC.4
1	BODY	CARBON STEEL	STAINLESS STEEL	NI-AL BRONZE	HASTLLOY-C
2	ELEMENT ASS'Y	STAINLESS & HIGH GRADE STEEL or ALLOY			
3	GASKET	NON-ASBESTOS, GRAPHIT, TEFLON			
4	STUD BOLT / NUT	A193-B8 / A194-8(STD.) & HIGH GRADE STEEL or ALLOY			