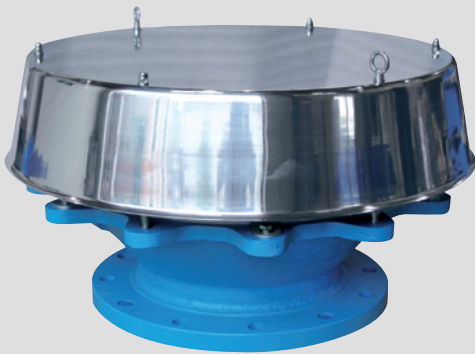


**EXPLOSION PROOF END OF LINE  
FLAME ARRESTER****KSFE**

The KSFE flame arrester are designed, manufactured and tested according to API2000, BS7244 (British Standard Specification), and EN 12874 / ISO 16852.

The units allow free venting in combination with flame protection for vertical vent applications. They prevent flame propagation by absorbing and dissipating heat using spiral wound crimped ribbon 316LSS flame cells.

**Introduction** The KSFE unit gives the protection needed. For size 4" and under after ignition of the out flowing gases a fusible element melts, the spring loaded cover automatically opens and the full surface of the flame arrester is exposed so that the flame arrester element will not attain the ignition temperature through heat absorption.

The standard flame cell is suitable for NEC group D or IEA IIA gases. Cells for other gas groups are available as additional extras.

The standard design shall be used up to an operating temperature of + 90 deg C / 140 deg F and operating pressure up to 1.1 bar abs from size ½" / 15A to 20" / DN 500.

Upon request, it can be obtained for higher pressure and higher temperature with special approval.

Housing construction are Aluminium, Cast Iron, Cast Steel, 304SS, and 316LSS.

Hood construction is stainless steel and the element is 316LSS.

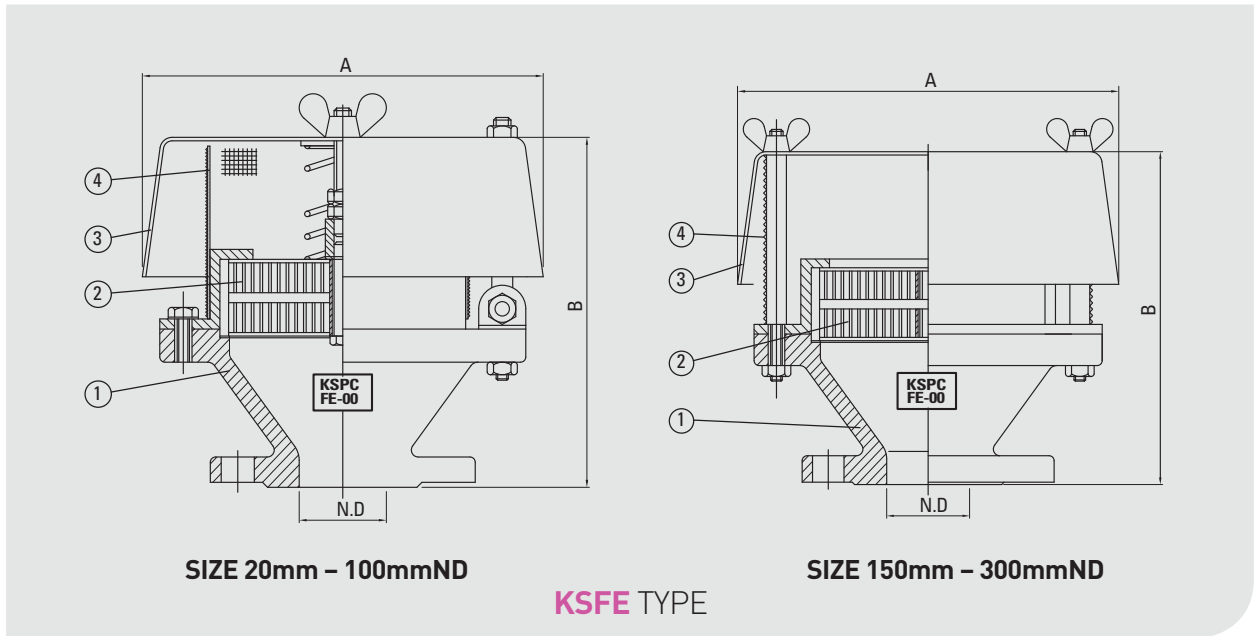
Sizes are from 20mm through to 500mm.

Cast iron and cast steel units are epoxy coated both inside and outside.

**Maintenance** Periodic inspection and maintenance is required. The cell assembly can be removed for cleaning purposes. Cleaning can be accomplished by dipping the entire cell assembly into an appropriate solvent. Care should be taken not to damage the cell openings as such deformations hamper the flow through the cell. The gaskets should be inspected and replaced if necessary.

EXPLOSION PROOF END OF LINE  
FLAME ARRESTER

**KSFE**



**Dimension Table** (Size range 20mm nominal bore – 300mm ND)

Unit : Metric

SIZE	2"	3"	4"	6"	8"	10"	12"
N.D	50	80	100	150	200	250	300
A	234	288	342	444	512	658	733
B	226	237	240	337	345	357	401

NOTES : Standard Connection : ANSI 150LB flange, JIS or different sizes available upon request.

**Materials of Construction**

	Material of Construction		
1. BODY	CAST ALUMINUM	CAST or WELDED C.S	S.S
2. ELEMENT	SS316L		
3. WEATHER HOOD	S.S	S.S	S.S
4. BORE SCREEN	S.S	S.S	S.S
STANDARD PAINTING	IN-OUT SIDE EPOXY 150 MICRON WITHOUT S.S & AL PART.		

NOTE : C.I – Cast Iron, S.S – Stainless Steel, C.S – Carbon Steel, AL - Aluminium