

SECTION 3.15_KSFE-A ATEX TYPE

FLAME ARRESTER DEFLAGRATION PROOF END-LINE

(1) INTRODUCTION

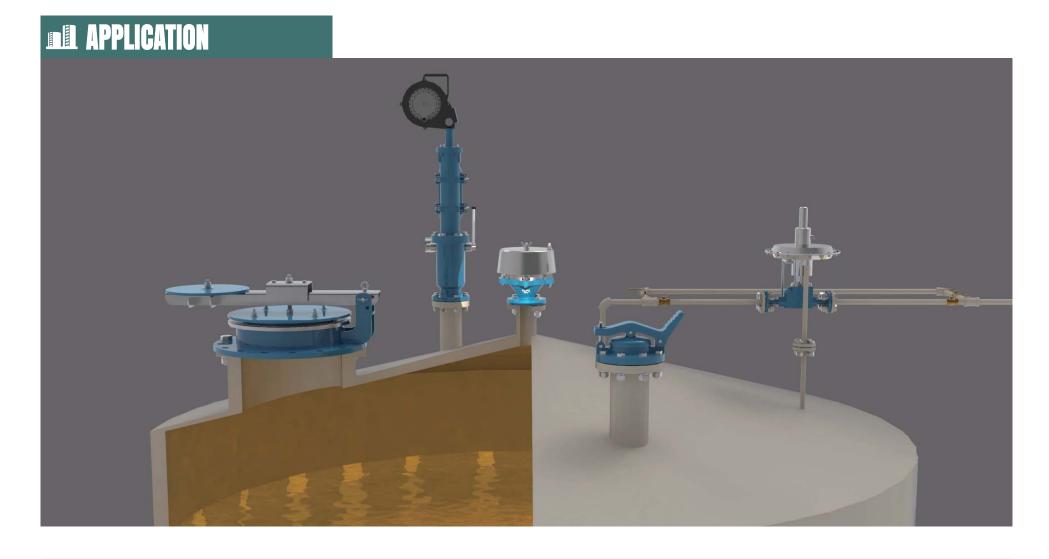
The model KSFE-A flame arrester are designed, manufactured and tested according to API2000, and ISO 16852. The units allow free venting in combination with flame protection for vertical vent applications. They prevent flame propagation by absorbing and dissipating heat using spiral wound crimped ribbon SS316L flame cells.

Operating Temperature @ Pressure

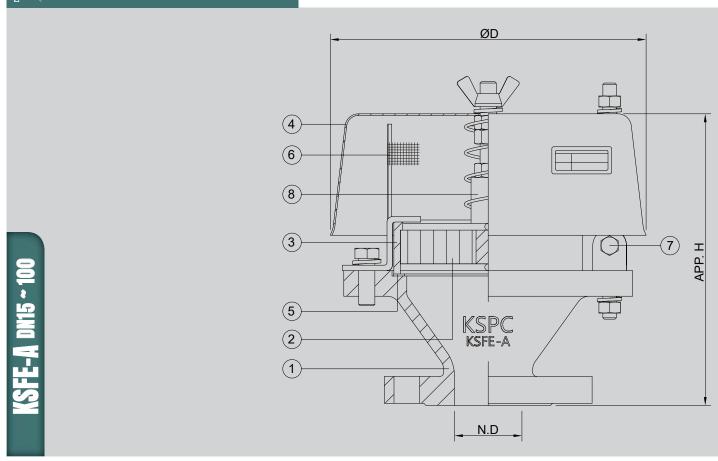
KSFE-A / DN 15 ~ DN 100

 $+60\,^{\circ}\mathrm{C}\ (=140\,^{\circ}\mathrm{F})$ @ 0.11 Mpa

- Body Materials Aluminium, Nodular Iron, Cast Steel, SS304, SS316, SS316L with various trims (Different materials available on request)
- **Sizes range** DN 15 ~ DN 100 with ASME 150Lb flanges(Different connections available on request)
- Rules & Certifications API 2000 / ISO 16852 & ATEX
 Flame cell: NEC group D (=IIA), group C(=IIB3) and group B(=IIC), ETC.



OUTLINE DRAWING





THA DIMENSION NOTE Standard Connection(ASME 150Lb flange) and JIS or different types are available upon request.

SIZE	1/2"	1"	2"	2 ½"	3"	4"	
N.D	15	25	50	65	80	100	
ØD	234	234	234	234	288	342	
Арр. Н	220	223	226	225	237	260	

NOTE Other materials are available upon request.

ITEM NO	COMPONENT	ALUMINIUM	CARBON STEEL	STAINLESS STEEL			
1	BODY	B216-319.F	A216-WCB	A351-CF8/ CF8M			
2	ELEMENT	SS316L					
3	WEATHER HOOD	SS304	SS304	SS304/SS316L			
4	BIRD SCREEN	SS304	SS304	SS304/SS316			
STAN	IDARD PAINTING	IN-OUT SIDE URETHANE 150 MICRON WITHOUT S.S & AL PART					

MAINTENANCE

- Periodic inspection and maintenance is required. The cell assembly can be removed for cleaning
- Cleaning ban 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.