




## SECTION 3.16\_KSFE-S ATEX TYPE

# FLAME ARRESTER DEFLAGRATION PROOF END-LINE


### INTRODUCTION


 **The model KSFE-S** 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-S / DN 15 ~ DN 300

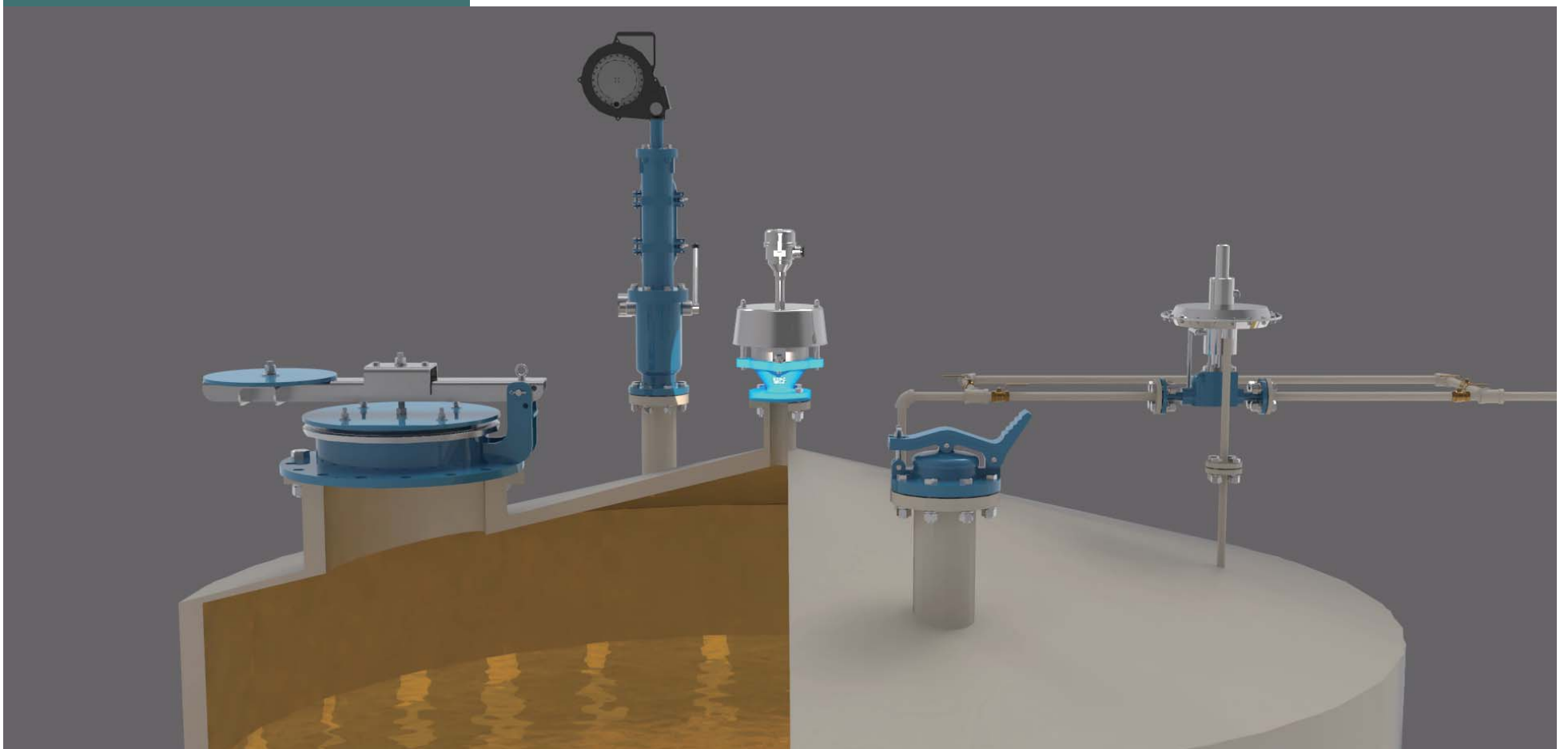
+ 60 °C (=140°F) @ 0.11 Mpa

 **Body Materials** Aluminium, Nodular Iron, Cast Steel, SS304, SS316, SS316L with various trims  
(Different materials available on request)

 **Sizes range** DN 15 ~ DN 300 with ASME 150Lb flanges  
(Different connections available on request)

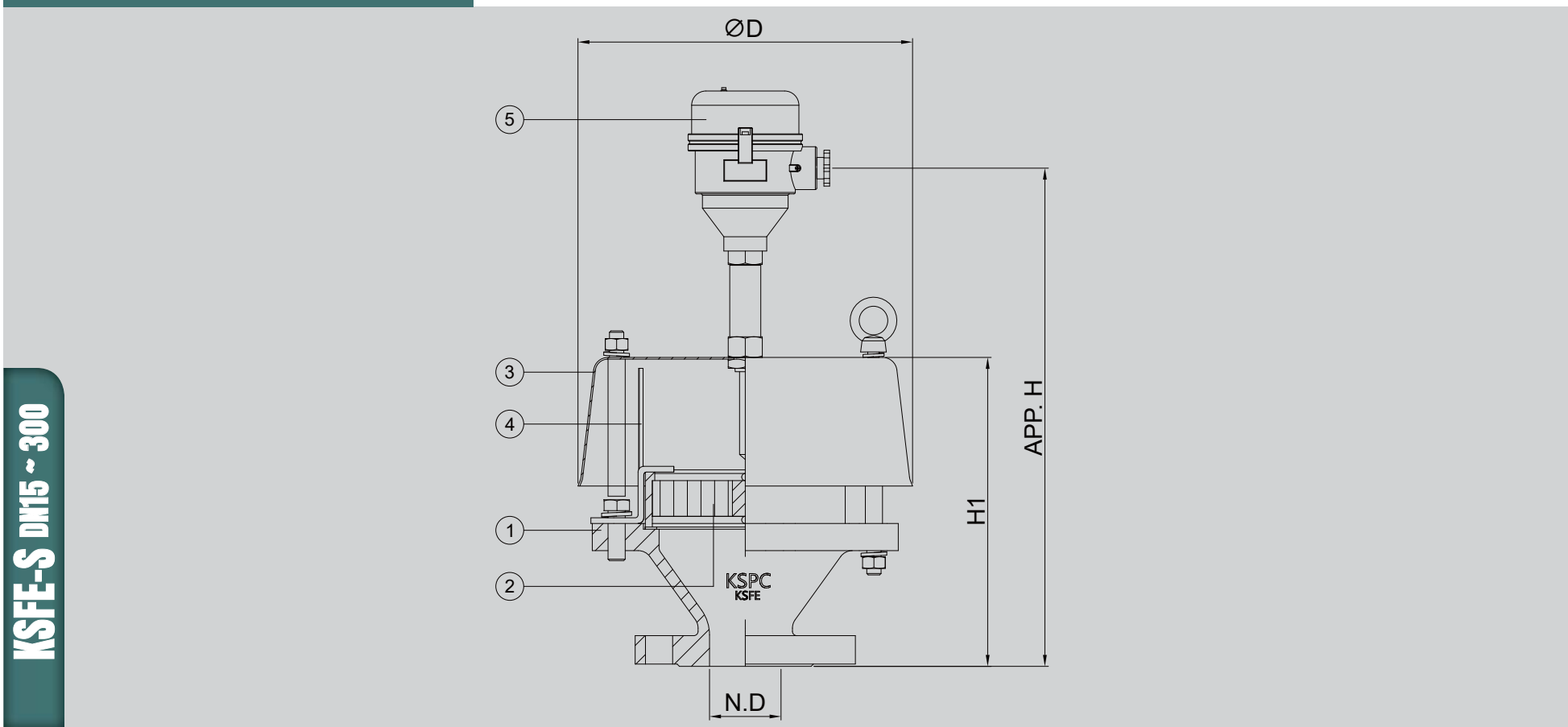
 **Rules & Certifications** API 2000 / ISO 16852 & ATEX  
Flame cell : NEC group D (=IIA), group C(=IIB3) and group B(=IIC), ETC.

### APPLICATION





OUTLINE DRAWING



Section 3.16

KSFE-S

DIMENSION TABLE

NOTE

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

SIZE	½"	1"	2"	2½"	3"	4"	6"	8"	10"	12"
N.D	15	25	50	65	80	100	150	200	250	300
ØD	234	234	234	234	288	342	445	512	658	733
App. H	337	337	385	385	397	403	497	505	513	560
H1	225	225	226	226	237	240	337	345	357	401

COMPONENT MATERIAL

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
5	TEMP. SENSOR	INCONEL		
STANDARD 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 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.