




## SECTION 3.8\_KSFTFH

# FLAME TRAP DEFLAGRATION PROOF IN-LINE


### INTRODUCTION


 **The model KSFTFH** flame trap ass'y of KSPC is composed of KSPC Model **KSFH** flame arrester and quick closing valve, automatically, in according to a rise temperature of heat. Generally, it's installed to pipe line in front of gas line from each holder and digester. Also, it's prevent igniter to install in using gas equipment line. Flame Trap is designed to protect as a from explosion of propagation of flame.


### Fuse Activating Temperature / time

KSFTFH / DN 25 ~ DN 300

+ 127°C (=260°F) within 15 seconds

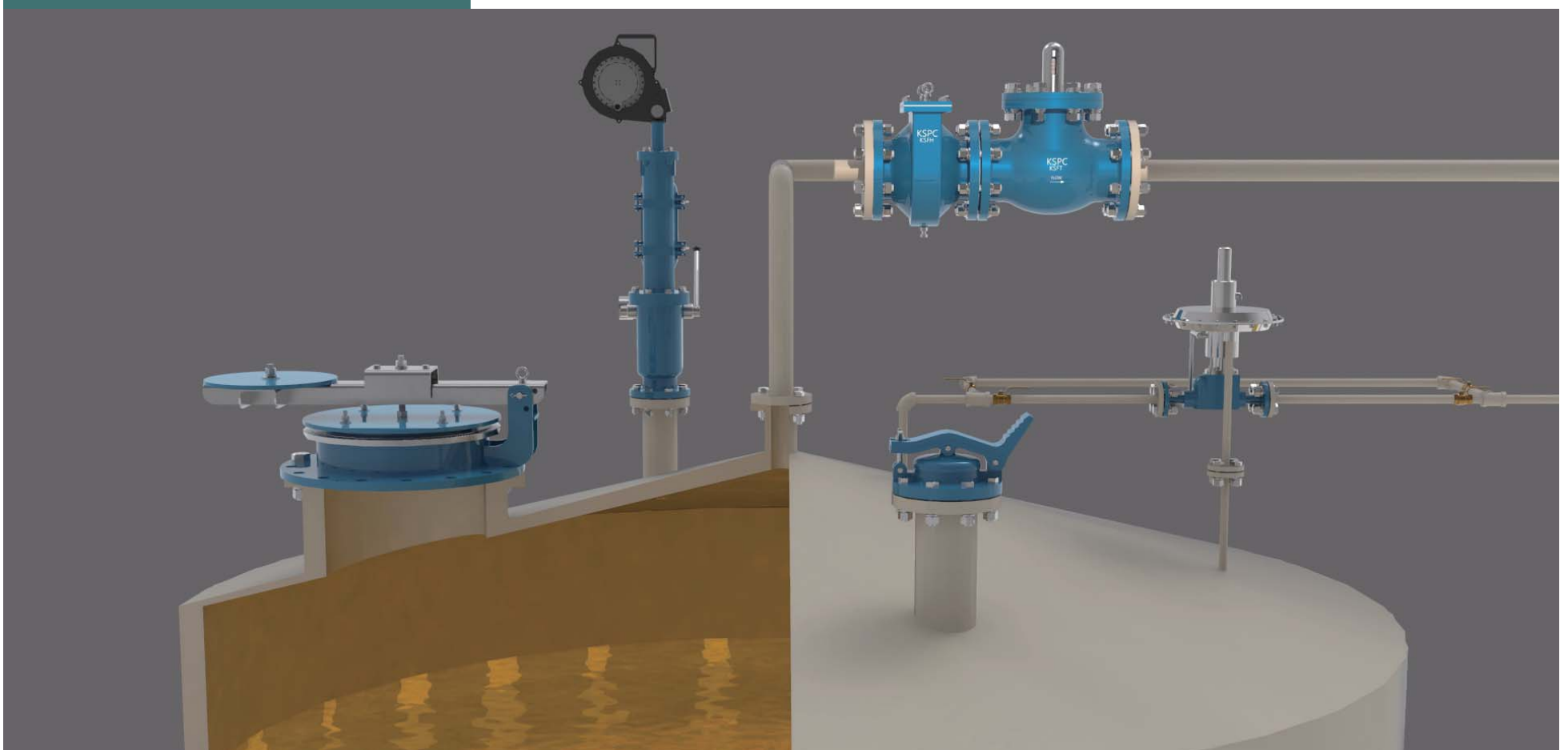
 **Body Materials** Aluminium, Nodular Iron, Cast Steel, SS304, SS316, SS316L with various trims  
(Different materials available on request)

 **Sizes range** DN 50 ~ DN 300 with ASME 150Lb flanges  
(Different connections available on request)

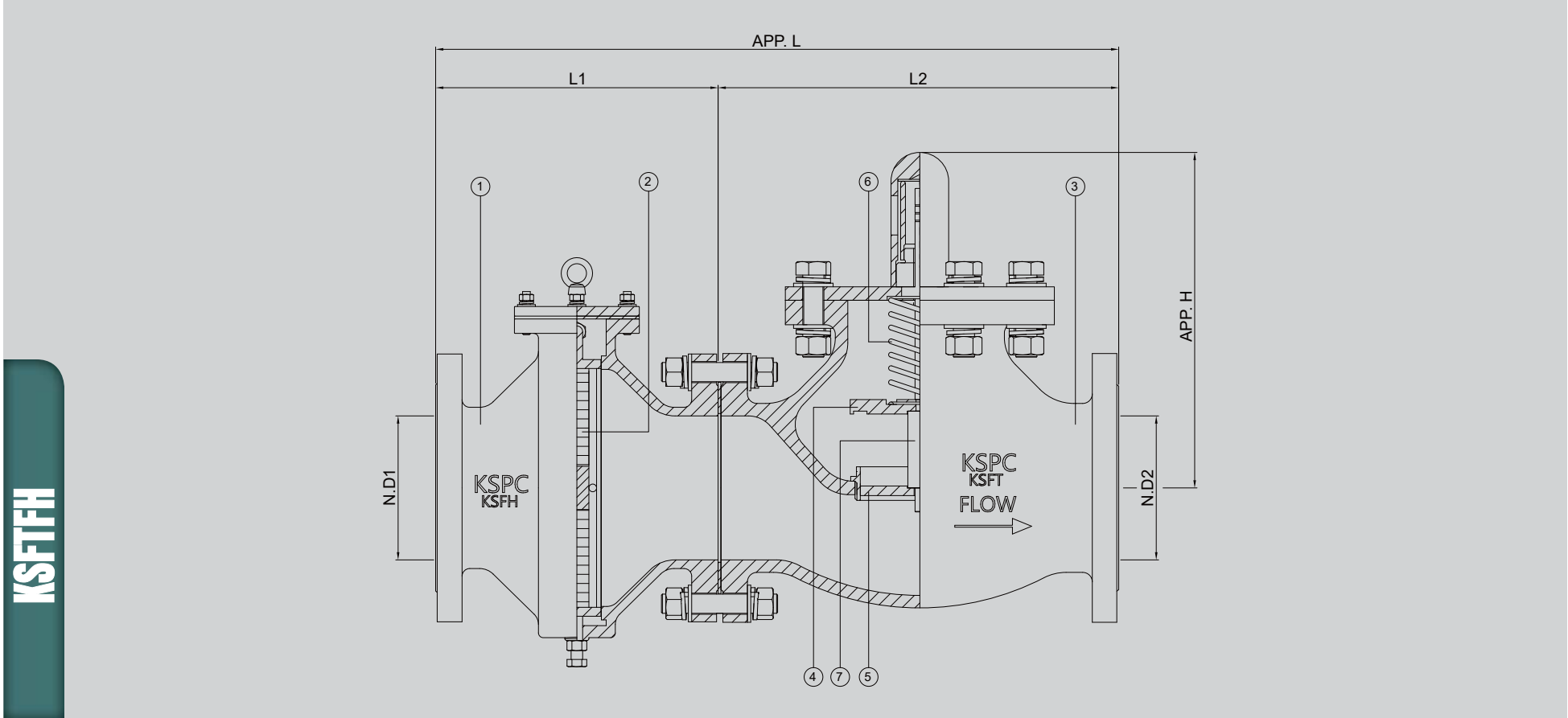
 **Rules & Certifications** API 2000 / ISO 16852  
Flame cell : NEC group D (=IIA), group C(=IIB3) and group B(=IIC), ETC.

 **Optimum / optional Design & Arrangements** Steam jacket type

### APPLICATION



OUTLINE DRAWING



DIMENSION TABLE

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

SIZE	2"	3"	6"	8"	10"	12"
App. L	420	472	693	780	943	1080
App. H	241	257	353	392	428	373
N.D 1	50	80	150	200	250	300
N.D 2	50	80	150	200	250	300
L 1	214	228	287	299	341	356
L 2	206	244	406	481	602	662

COMPONENT MATERIAL

**NOTE** Other materials are available upon request.

ITEM NO	COMPONENT	ALUMINIUM	CARBON STEEL	STAINLESS STEEL
1	BODY-1	B26-319.F	A216-WCB	A351-CF8
2	ELEMENT	SS316L		
3	BODY-2	B26-319.F	A216-WCB	A351-CF8
4	DISC	SS304	SS304	SS304/SS316L
5	SEAT	SS304	SS304	SS304/SS316
6	SPRING	SS304	SS304	SS304/SS316
7	FUSE	LOW TEMP. METAL		

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.