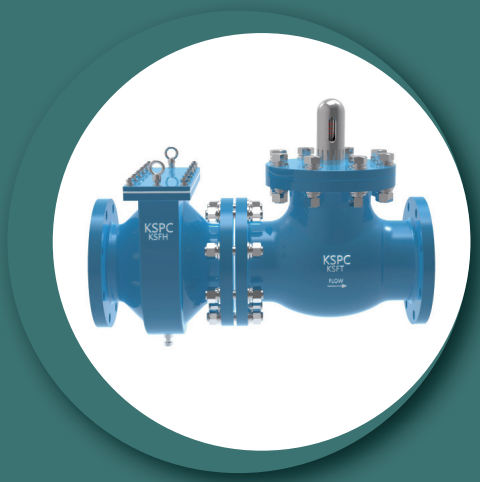


SECTION 3.6_KSFTFH

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℃ (=260°F) within 15 seconds

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

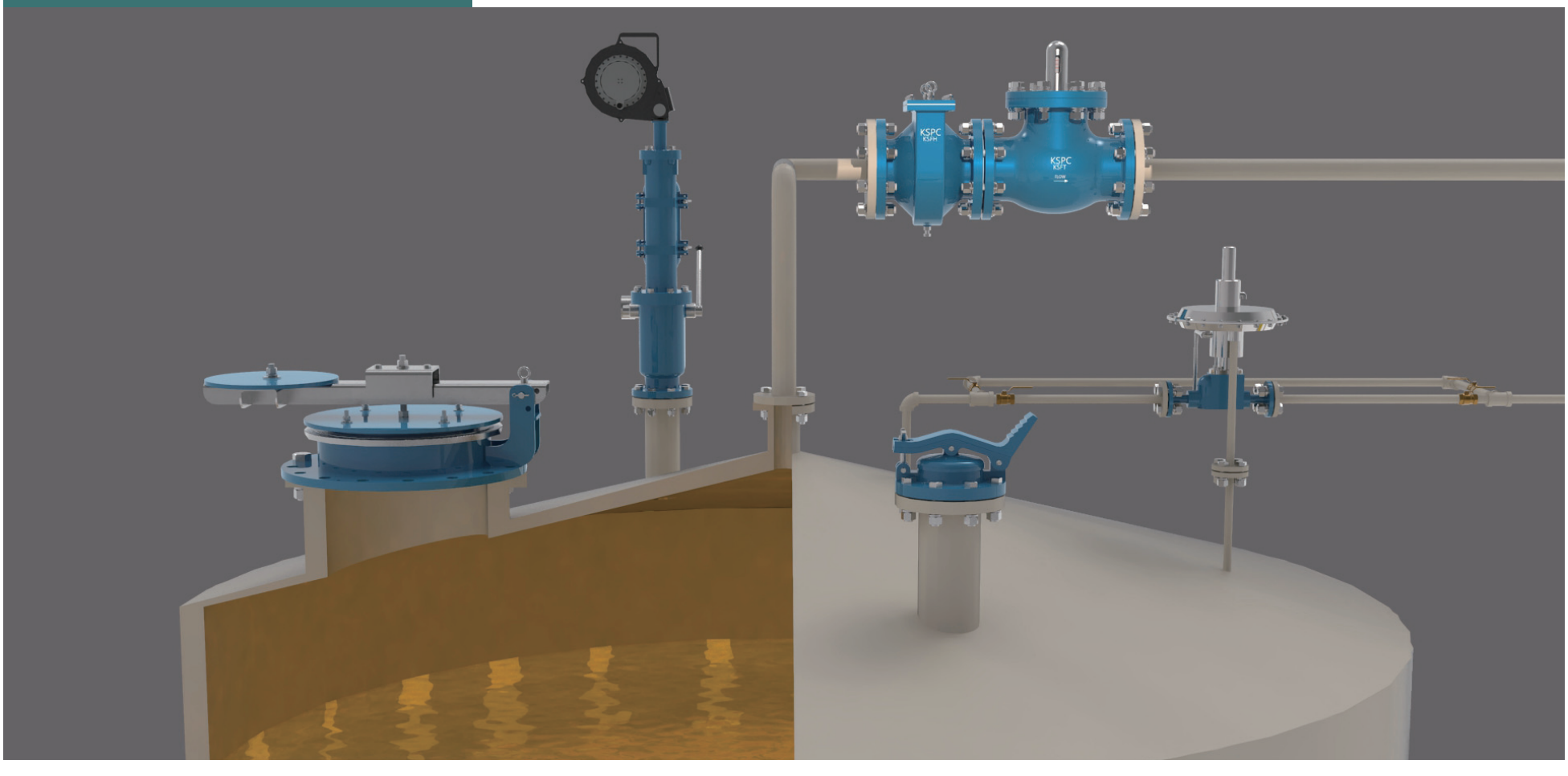
Sizes range DN 50 ~ DN 300 with ASME 150Lb flanges (Different connections available on request)

Rules & Certifications API 2000, BS7244 / ISO 16852 & KFI

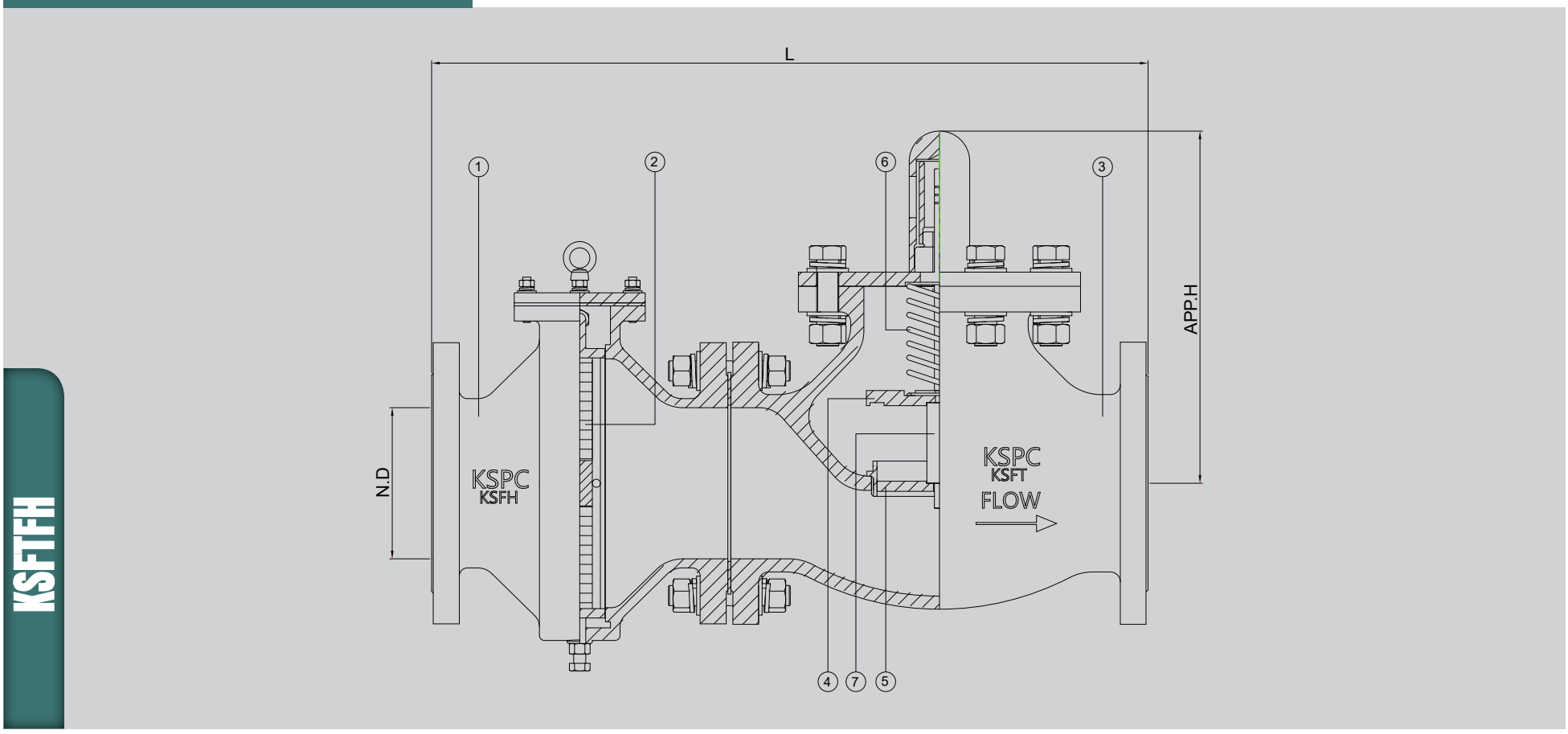
Flame cell : NEC group D (=IIA), group C(=IIB3) and group B(=IIC), ETC.

Optimum / Optional Design & Arrangments Stem Jacket type, Steam Tracing type

APPLICATION



OUTLINE DRAWING



DIMENSION TABLE

SIZE	2"	3"	4"	6"	8"	10"	12"
N.D	50	80	100	150	200	250	300
L	412	468	613	704	795	963	1036
Approx. H	238	263	284	351	395	439	470

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

COMPONENT MATERIAL

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 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.