SECTION 3.8_KSFE

FLAME ARRESTER
EXPLOSION PROOF END-LINE

INTRODUCTION

The model 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.

Operating Temperature @ Pressure

KSFE / DN 50 ~ DN 300	+ 90℃ (=194°F) @ 1.1 bar abs

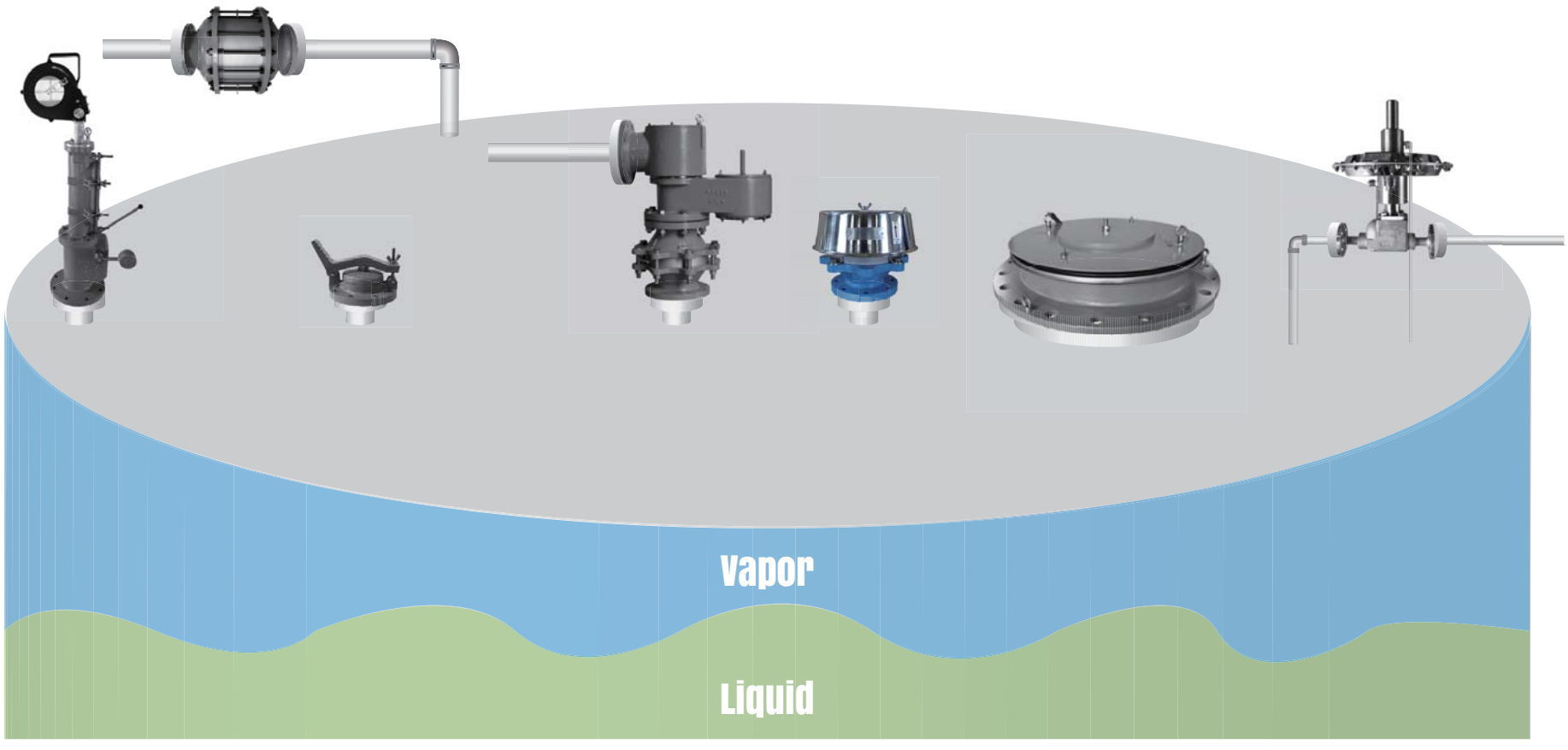
Body Materials Aluminium, Nodular Iron, Cast Steel, SS304, SS316, SS316L with various trims (Different materials available on request)

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

Rules & Certifications API 2000, BS7244, and EN 12874 / ISO 16852
Flame cell : NEC group D or IEC IIA Gases(Other gas groups all available as extras)

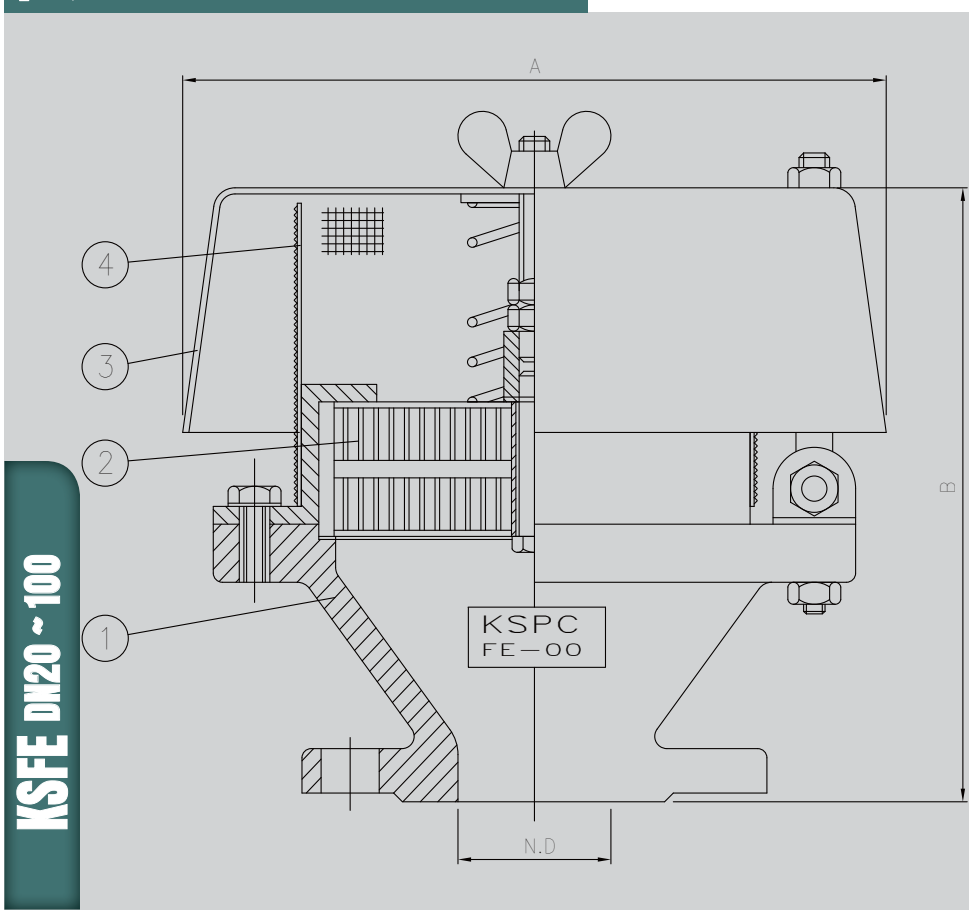
Optimum / Optional Design & Arrangments Stem Jacket type, Steam Tracing type

APPLICATION

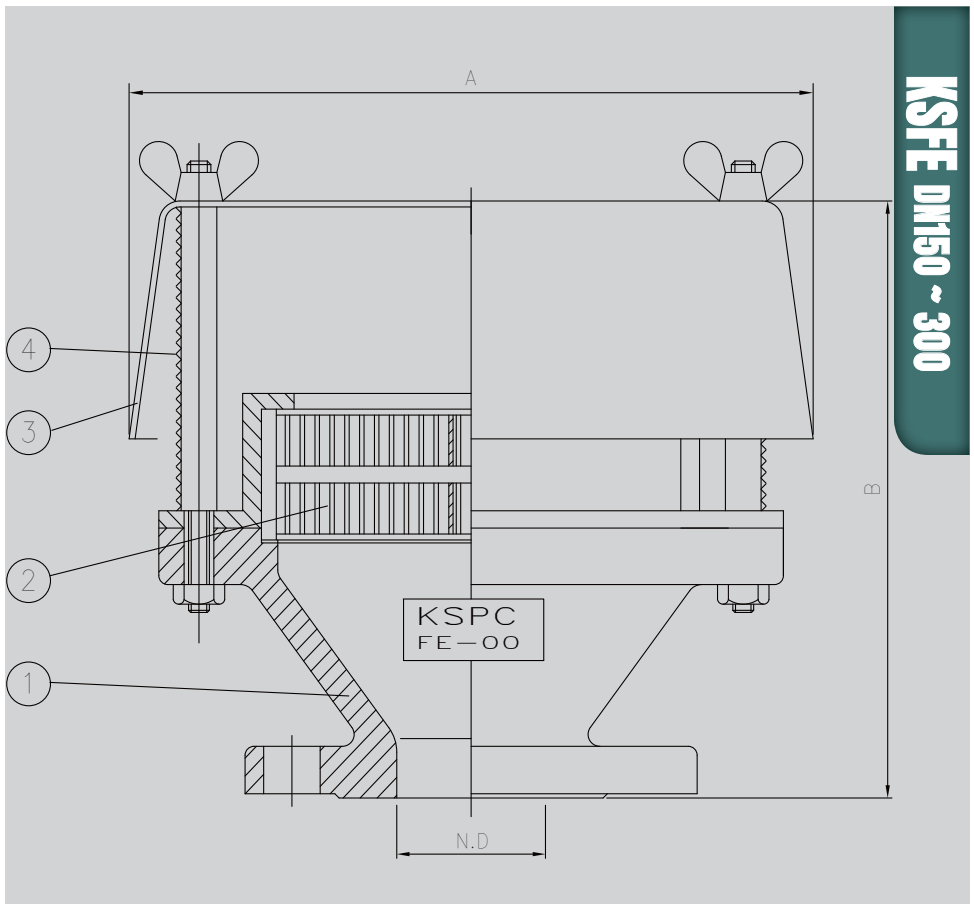


OUTLINE DRAWING

KSFE DN20 ~ 100



KSFE DN150 ~ 300



DIMENSION TABLE

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

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

COMPONENT MATERIAL

ITEM NO	COMPONENT	ALUMINIUM	C.S	S.S
1	BODY	CAST ALUMINIUM	CAST or WELDED C.S	S.S
2	ELEMENT	SS316L		
3	WEATHER HOOD	S.S	S.S	S.S
4	BIRD SCREEN	S.S	S.S	S.S
STANDARD PAINTING		IN-OUT SIDE EPOXY 150 MICRON WITHOUT S.S & AL PART.		

NOTE AL – Aluminium, C.S – Carbon Steel, S.S – Stainless Steel

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.