

# FLAME Arrestors

A U S T R A L I A

(A Division of Pressure Systems Pty Ltd)

## KSFD Type Flame Arrestor

### Detonation Proof Inline Flame Arrestor



The model KSFD inline detonation flame arrestor is designed, manufactured and tested according to API 2000 and British Standard Specification Code BS7244.

The units are passive devices with no moving parts.

The KSFD detonation flame arrestors provide positive protection against flame propagation in piping systems that are manifolded or have long runs.

The arrestors are designed to stop an ignited flammable vapour mixture travelling at subsonic or supersonic velocities. They are also designed to protect against continuous burning against the SS316L flame cell for a specific period.

The standard flame cell is suitable for NEC group D or IEC IIA gases. Cells for other gas groups are available as additional extras.

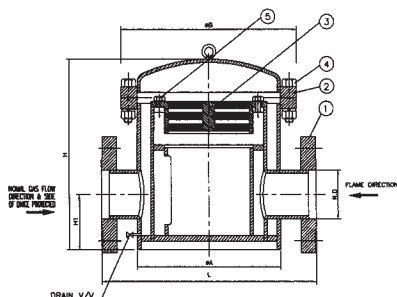
The flame arrestors are available with either carbon steel (epoxy coated), SS304, or SS316 housings with SS316L flame cells.

Sizes range from 50mm to 300mm.

Standard flanges are ANSI 150lb and other connections are available upon request.

### Materials of Construction

	Standard Design	Special Design	
Body	C.I	Welded C.S	S.S & AL
Element Ring	S.S	S.S	S.S
Element		316L S.S	
Standard Coating	Inside and outside epoxy 250 micron without S.S & Al Part.		



### Dimensions

Size	1"	1 1/2"	2"	3"	4"	6"	8"	10"	12"
DN	25	40	50	80	100	150	200	250	300
A	216.3	216.3	267.4	267.4	355.6	406.4	508.0	609.6	715.0
B	350	350	400	400	580	700	750	810	956
C	380	380	440	440	480	495	550	610	670
D	290	290	328	328	420	490	580	690	820

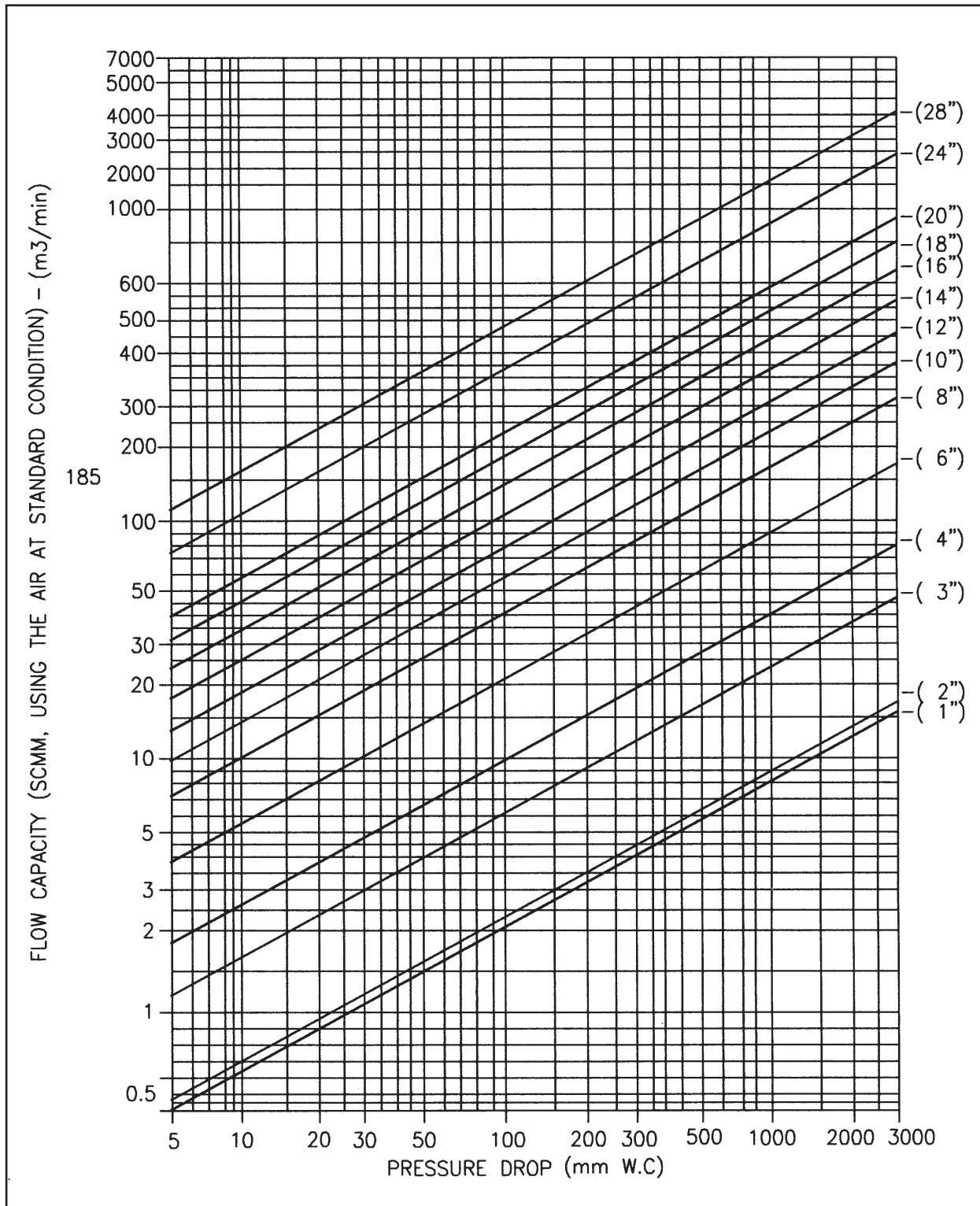
Standard connection: ANSI 150lb flange. JIS or different connections available on request.

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Flow capacity V in m<sup>3</sup>/min has been performed on equipment using air, specific gravity g = 1.29kg/m<sup>3</sup>, at a temperature T = 293°K and at ambient pressure Pamb = 1.033 bar to Korean KS standards.