

FLAME Arrestors

A U S T R A L I A

(A Division of Pressure Systems Pty Ltd)

KSFE Type Flame Arrestor

Explosion Proof End of Line Flame Arrestor



The KSFE flame arrestors are designed, manufactured and tested according to API 2000 and BS 7244 (British Standard Specification) code.

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.

The KSFE unit gives the protection needed. For sizes 4" and under after ignition of the out flowing gases a fusible element melts, the spring loaded cover automatically opens and the full surface of the flame arrestor is exposed so that the flame arrestor element will not attain the ignition temperature through heat absorption.

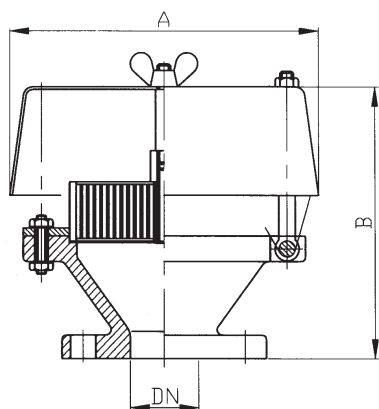
Housing construction are Aluminium, Cast Iron, Cast Steel, 304ss and 316Lss. Hood construction is stainless steel and the element is 316Lss.

Sizes are from 50mm through to 300mm.

Cast iron and cast steel units are epoxy coated both inside and outside.

Materials of Construction

	Standard Design	Special Design	
Body	C.I	Cast C.S	Cast S.S & Cast Al.
Hood	S.S	S.S	S.S
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 range 20mm nominal bore to 300mm nominal bore)

Size	2"	3"	4"	6"	8"	10"	12"
DN	50	80	100	150	200	250	300
A	230	283	283	283	500	650	750
B	210	235	240	290	340	360	400

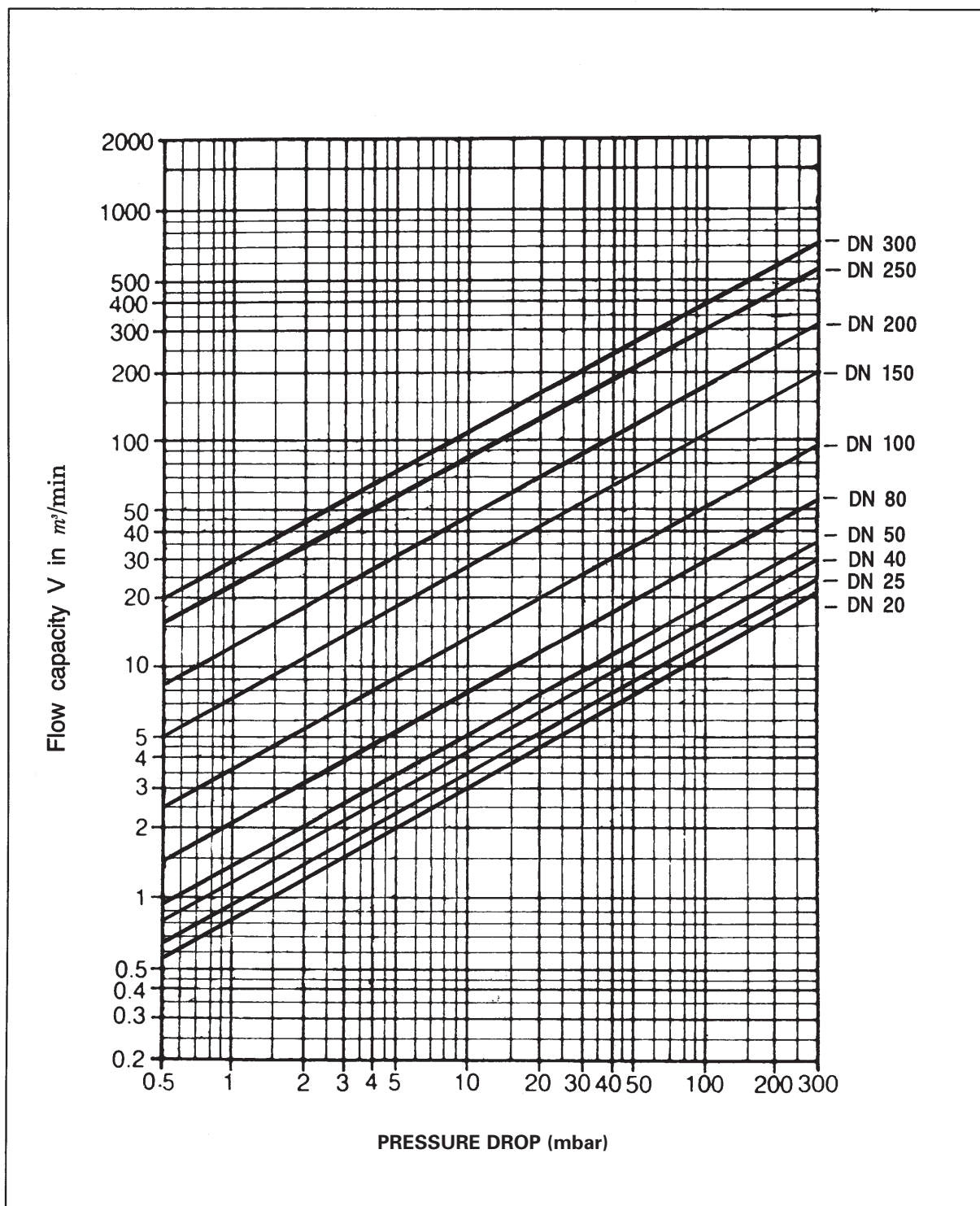
Standard connection: ANSI 150lb flange. JIS or different connections available on request.

PO Box 154, 3/30-32 Peninsula Blvd, Seaford 3198

Phone: 03 9776 9477 Fax: 03 9776 9606

Email: pressure@ozemail.com.au www.pressuresystems.com.au

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Flow capacity V in m³/min has been performed on equipment using air, specific gravity $g = 1.29\text{kg/m}^3$, at a temperature $T = 293^\circ\text{K}$ and at ambient pressure $P_{\text{amb}} = 1.033\text{ bar}$ to Korean KS standards.