

# FLAME Arrestors

A U S T R A L I A

(A Division of Pressure Systems Pty Ltd)

## KSEP Type Emergency Relief Vent

### Emergency Pressure Relief Vents

#### According to API 2000 Code

The series KSEP is designed to provide emergency pressure relief for storage tanks when exposed to overpressures that are not handled by standard tank vents.

These vents provide the capacity to meet API standard 2000 for emergency venting due to fire exposure when properly sized.

These covers also provide quick easy access for tank inspection and maintenance.

#### Vent Operation:

The KSEP emergency pressure relief vent provides pressure relief only.

Vacuum relief must be supplied by normal venting devices, or use our KSEV emergency pressure and vacuum relief vent covers.

When excessive pressure builds within the storage tank the KSEP series emergency pressure relief vents begin to open at a predetermined set pressure relieving excessive pressure.

When the overpressure has dissipated the cover reseats onto the base.

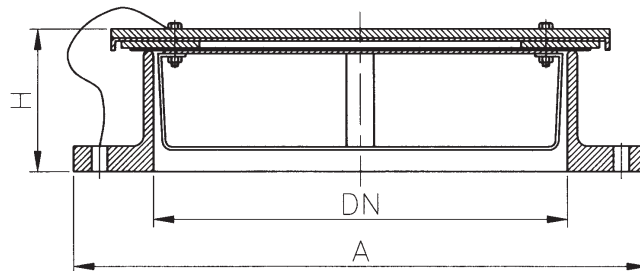
#### Construction:

The series KSEP is available in several materials that are corrosion resistant to most petroleum product applications.

See standard material of construction table for available material.

Predetermined setting range is from a minimum of 50mm WC to a maximum of 700mm WC.

Sizes are 400, 450, 500 and 600mm with flange drilling according to ANSI 150lb or API 650.



KSEP Type

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

Phone: 03 9776 9477 Fax: 03 9776 9606

Email: [pressure@ozemail.com.au](mailto:pressure@ozemail.com.au) [www.pressuresystems.com.au](http://www.pressuresystems.com.au)

# KSEP Type Emergency Relief Vent

## Dimension Table

		16"	18"	20"	24"
	DN	400	450	500	600
A	API 650	597	635	660	762
	ANSI 150#	597	635	698	813
B	MIN.	110	123	132	158
	MAX.	150	168	195	226

## Materials of Construction

Item No.	Component	Body	Aluminium	C.S	304 S.S	316 S.S
		Trim	304 S.S	304 S.S	304 S.S	316 S.S
1	Body		Aluminium	C.S	304 S.S	316 S.S
2	Cover		Aluminium	304 S.S	304 S.S	316 S.S
3	Plate		304 S.S	304 S.S	304 S.S	316 S.S
4	Guide		304 S.S	304 S.S	304 S.S	316 S.S
5	Diaphragm		Teflon			
6	Earth Wire		304 S.S	304 S.S	304 S.S	316 S.S
7	Stud/Bolt Nut		304 S.S	304 S.S	304 S.S	316 S.S
8	Washer		304 S.S	304 S.S	304 S.S	316 S.S
9	Loading W'T		Steel	Steel	Steel	Steel