KINGSLEY ENGINEERING SERVICES

Manufacturer, Exporter & Service provider of Flame Arrester, Breather Valve, Emergency Vent, Gauge Hatches, Safety Valve, Thermal Relief Valve

AN ISO 9001:2015 ISO 14001:2015 ISO 45001:2018 C.M.R.I. CERTIFIED

Corporate Office and Valve Division : Plot No. 1019, Behind Lions School GIDC Industrial Estate, Ankleshwar – 393 002.
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APPLICATION DATASHEET			
CLIENT		**LOCATION**	
CONTACT PERSON		**CONTACT NO.**	
EMAIL ADD		**DATE**	

SR. NO.	STORAGE VESSEL		UNITS
1	CAPACITY		m3
2	HEIGHT [FILLED]		mm
3	INNER DIAMETER		mm
4	INSULATION THK. [IF APPLICABLE]		mm
5	MAX. OP. TEMP		°C
6	MAX. OP. PRESSURE		kg/cm2 (g)
7	DESIGN PRESSURE		kg/cm2 (g)
8	DESIGN TEMP		°C

SR. NO.	STORAGE MEDIUM		UNITS
	STATE AT DEVICE INLET	□LIQUID □VAPOR □MIXTURE □TRACES OF SOLID □STICKY MEDIUM	
1	SERVICE MEDIUM		g/mol
2	MOLECULAR WEIGHT		
3	SPECIFIC HEAT RATIO [FOR GAS]		
4	COMPRESSIBILITY [FOR GAS]		°C
6	FLASH POINT [FOR GAS]		kg/cm2 (g)
7	SPECIFIC GRAVITY [FOR LIQUID]		kg/cm2 (g)
8	VISCOSITY [FOR LIQUID]		cp

SR. NO.	PROCESS PARAMETERS		UNITS
1	PUMP IN RATE		m3/hr
2	PUMP OUT RATE		m3/hr
3	N2 PURGING PRESSURE [IF APPLICABLE]		kg/cm2 (g)
4	N2 PURGING FLOWRATE [IF APPLICABLE]		m3/hr

SR. NO.	VENTING DEVICE SETTINGS		UNITS
1	SET PRESSURE		kg/cm2 (g)
2	SET VACUUM		kg/cm2 (g)
3	TOTAL BACKPRESSURE		kg/cm2 (g)
4	REQUIRED RELIEVING RATE [IF AVAILABLE]		KG/HR
5	IS IT OKAY FOR AIR TO ENTER INSIDE THE VESSEL DURING VACUUM CREATION?	□YES □NO	
6	CONNECTION TO SCRUBBER/SAFE ZONE/CONDENSOR REQUIRED?	□YES □NO	
7	ANY EQUIPMENT TO BE CONNECTED TO UPSTREAM OR DOWNSTREAM OF THE VENTING DEVICE?	□YES □NO	
8	DESGING SHALL BE DONE FOR	□NORMAL VENTING □EXTERNAL FIRE □BLOCKED DISCHARGE □EQUIPMENT FAILURE □RUNAWAY REACTION □COIL RUPTURE □THERMAL RELIEF	

SR. NO.	OTHER REQUIREMENTS
1	
2	
3	
4	
5	

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MODEL DECODIFICATION SHEET

KES/TYPE/MOC OF BODY/ SIZE IN NB

Wherein,

KES

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TYPE

TYPE	MEANING
FLAME ARRESTERS	
ELDF	Concentric End of Line Deflagration Type
ELDT	Concentric End of Line Detonation Type
ILDF	Concentric Inline Deflagration Type
ILDT	Concentric Inline Detonation Type
ELDFX	Eccentric End of Line Deflagration Type
ELDTX	Eccentric End of Line Detonation Type
ILDFX	Eccentric Inline Deflagration Type
ILDTX	Eccentric Inline Detonation Type
PRESSURE VACUUM RELIEF VALVES/BREATHER VALVES	
BV/DW	Deadweight Loaded both pressure and vacuum side
BV/SL	Spring Loaded both pressure and vacuum side
BV/PSL	Pressure Side Spring Loaded and Vacuum Side Deadweight Loaded
BV/VSL	Vacuum Side Spring Loaded and Pressure Side Deadweight Loaded
BV/P-DW	Pipe-away Type with both pressure vacuum side Deadweight Loaded.
BV/P-PSL	Pipe-away Type with only pressure side spring Loaded
BV/P-VSL	Pipe-away Type with only vacuum side spring Loaded
BREATHER VALVES WITH INTEGRATED FLAME ARRESTER	
BVFA/DW	Deadweight Loaded both pressure and vacuum side
BVFA/SL	Spring Loaded both pressure and vacuum side
BVFA/PSL	Pressure Side Spring Loaded and Vacuum Side Deadweight Loaded
BVFA/VSL	Vacuum Side Spring Loaded and Pressure Side Deadweight Loaded
BVFA/P-DW	Pipe-away Type with both pressure vacuum side Deadweight Loaded.
BVFA/P-PSL	Pipe-away Type with only pressure side spring Loaded
BVFA/P-VSL	Pipe-away Type with only vacuum side spring Loaded
VACUUM RELIEF VALVES/VACUUM BREAKER	
VRV/DW	Deadweight Loaded
VRV/SL	Spring Loaded
VRV/P-DW	Pipe-away Type Deadweight Loaded
VRV/P-SL	Pipe-away Type Spring Loaded
EMERGENCY RELIEF VALVES/ EMERGENCY RELIEF VENT	
ERV/DW	Deadweight Loaded
ERV/SL	Spring Loaded

GAUGE HATCH	
GH	Foot Pedal Operated
HIGH PRESSURE APPLICATION VALVES	
PSV/CO	Conventional Full Nozzle, Full Lift Pressure Safety Valve
SRV/CO	Conventional Full Nozzle, Full Lift Safety Relief Valve
TRV/CO	Conventional Full Nozzle, Full Lift Thermal Relief Valve
TSV/CO	Conventional Full Nozzle, Full Lift Thermal Safety Valve

NOTE:

a) For valves with Jacketing add J before first letter of Type. For example, JELDF is Jacketed Type Concentric End of Line Deflagration Flame Arrester.
b) For Valve where requirement is for flame arrester below breather valves model de-codification of flame arrester and breather valve shall be used separately.
c) For Valves with test gag add 1 after Type. For example, CO1 will be conventional Type with Test Gag.
d) Any other requirement such as requirement of drain port, temperature sensors, limit switches shall be considered as part of customization and complete specification shall be provided by customer at the time of RFQ.

MOC OF BODY

CODE	MEANING
MS	Mild Steel
CS	Carbon Steel
SS	SS304
SSL	SS304L
SSM	SS316
SML	SS316L
PP	Polypropylene
FRV	Fibre Reinforced Vinyl Ester
PTFE	Polytetrafluoroethylene
PFA	Perfluoroalkoxy Alkanes
HAL	Halar

NOTE:

a) For valve with lining & coating requirement add code after MOC. For example, for PTFE lined valve in CS MOC the code shall be CSPTFE. For Halar-coated SS304 Valve, the code shall be SSHAL.
b) Any other requirement such as requirement of drain port, temperature sensors, limit switches shall be considered as part of customization and complete specification shall be provided by customer at the time of RFQ.

SIZE IN NB

CODE	MEANING
25	1 INCH
40	1.5 INCH
50	2 INCH
80	3 INCH
100	4 INCH
150	6 INCH
200	8 INCH
250	10 INCH
300	12 INCH
350	14 INCH
400	16 INCH
500	20 INCH
600	24 INCH
750	30 INCH

NOTE:

a) For any other non-standard size mention, the code in Nominal Bore Diameter. For example, a 5 Inch valve shall be denoted by 125.

b) Any other requirement such as requirement of drain port, temperature sensors, limit switches shall be considered as part of customization and complete specification shall be provided by customer at the time of RFQ.