

DOC NO.	KES/SAL/FBN/004	REV NO.	0
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SR NO.	FEATURES	BENEFITS
BREATHER VALVE WITH FLAME ARRESTER		
1.	Investment Casted from size 1 to 12 Inches.	<ul style="list-style-type: none"> • Light Weight • Durable in the long run • Good Surface Finish • Resistance to High Pressure and Temp
2.	Designed to provide minimum Pressure Drop.	<ul style="list-style-type: none"> • Flame Element can easily be taken out for repair without disturbing Breather Valves. • Low Pressure Drop prevents choking of flame arrester element. • Maintenance cost for repair and maintenance reduces for customer.
3.	Designed to prevent vapor loss	<ul style="list-style-type: none"> • The seat leakage is based on 10% phenomenon that prevents vapor loss. • The valve will only start lifting at value of 10% of the set pressure or set vacuum. • The phenomenon helps prevent unnecessary vapor loss saving money for our customers.
4.	Required relieving capacity/ Flow Capacity fulfilled at low pressure drop.	<ul style="list-style-type: none"> • Required Capacity fulfilled at minimum Pressure Drop that prevents choking of flame arrester element. • Maintenance cost for repair and maintenance reduces for customer.
5.	Designed for weather protection. [Applicable only for Open to Atmosphere type Ranges]	<ul style="list-style-type: none"> • Weather hood protection with bird screen prevent entry of foreign particles. • The protection also ensures the deadweight & pallet arrester are protected against rainfall, snow, or bird nesting that might impact the performance of the valve and disturb calibration.
6.	End Connection	<ul style="list-style-type: none"> • Available in all flange, screw type end connections.
7.	Asbestos Free	<ul style="list-style-type: none"> • Kingsley products are completely asbestos free.
8.	Painting	<ul style="list-style-type: none"> • Painting of valves are performed by studying geographic location of the installation site.

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		<ul style="list-style-type: none"> Separate Painting specification for corrosive application, cryogenic application, marine conditions, low temperature application are available with us.
9.	Internal Parts machined with accuracy	<ul style="list-style-type: none"> Contact between Seat/Nozzle and Pallet is critical to performance of pressure vacuum relief valves. Our fully automated machines help's us achieve this accuracy. All internal parts are machined at our CNC and VMC machines to achieve accuracy.
10.	Performance & Testing	<ul style="list-style-type: none"> Flame Arrester are designed as per API 2000,7th Edition and tested in accordance with ISO 16852/IS 16485:2016 at our site. Kingsley Flame Arrester are capable of withstanding endurance burning test for over 45 minutes. Kingsley Flame Arrester pass through pressure drop and flow test conducted at our in-house flow rig by generating real-time simulation of customer process parameters. Flow test before and after flame test conducted to ensure integrity and performance of flame element. Pressure Vacuum relief valves are designed as per API 2000,7th Edition and tested in accordance with API 2521 at our site. Kingsley Pressure Vacuum Relief Valves pass through pressure drop and flow test conducted at our in-house flow rig by generating real-time simulation of customer process parameters.
11.	Customization	<ul style="list-style-type: none"> Kingsley Breather Valve with Flame Arresters can be customized based on customer requirements. Sensors can be integrated on flame arrester body. Drain Port can be provided. Jacketing type breather valve with flame arrester are also one of our finest ranges for viscous vapor medium.
12.	Quality Assurance	<ul style="list-style-type: none"> Material Traceability available with us for each component used.

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		<ul style="list-style-type: none"> • Supplier screening is an important part of our purchase operating procedure so that genuine material with MTC and back-up reports are only purchased. • In-coming/In-process and Out-going Inspection in place to assure authenticity of our products.
13.	Value Addition- Our relation is long term	<ul style="list-style-type: none"> • Having Completed over 10,000 installation worldwide we assure not only sale but after sales support also are provided to our customers.