

POREX® Battery Vents

IP-Rated Protection Vents



Features

- Global center of excellence (Malaysia) specializing in battery vent production
- Global manufacturing facilities
- Available in multiple materials (PE, PP, POREX® Virtek™ PTFE, fiber & others)
- Durable, cost-effective solutions that meet technical and performance requirements
- Controlled airflow, venting, and optimized back pressure
- Reduced risk of acid spillage and aerosol emissions
- Easy assembly using various welding techniques

Features

- Color coding for easy identification
- High-temperature performance
- Customized dimensions & geometries
- Tight tolerances
- Sintered plastics or fiber

POREX® Battery Vents

In 1974, POREX® introduced the very first porous plastic vent designed and engineered for use as a flame arrestor for lead-acid batteries. Since then, POREX® has produced billions of porous plastic vents supplied to battery manufacturers globally. POREX® Battery Vents are utilized as single and multiple component flame arrestors and designed to provide a durable, cost-effective venting solution that meets the technical and performance requirements of commercial lead-acid batteries. In addition to preventing sparks from entering the battery, POREX® Battery Vents provide controlled airflow, venting, and optimized back pressure reducing the risk of acid spillage and aerosol emissions.



Prior to achieving first to market status with porous plastic vents for batteries, POREX® was the first company to develop and commercialize molded sintered porous plastic components — in 1961. Our continued expertise in material science and product development allows us to create products that are engineered to perform to exacting customer specifications and expectations.

The POREX® Malaysian manufacturing facility is our Center of Excellence for production of battery vent products. As with our other manufacturing locations, POREX Malaysia offers quality assurance programs and highly reproducible manufacturing processes that instill confidence — with the billionth part produced to the same specifications and level of quality as the first.

Listing of Standard Battery Vents

Round Vents	Diameter		Thickness	
	Inches	mm	Inches	mm
XA-5008-1	0.229" – 0.243"	5.82 – 6.18	0.110" – 0.126"	2.80 – 3.20
XA-6404	0.384" – 0.404"	9.75 – 10.25	0.148" – 0.167	3.75 – 4.25
XS-9017	0.390" – 0.398"	9.90 – 10.10	0.148" – 0.167"	3.75 – 4.25
XA-5027	0.390" – 0.398"	9.90 – 10.10	0.150" – 0.165"	3.80 – 4.20
XA-5666	0.394" – 0.409"	10.00 – 10.40	0.110" – 0.130"	2.79 – 3.31
A-5914	0.451" – 0.465"	11.45 – 11.81	0.147" – 0.171"	3.74 – 4.34
7682	0.451" – 0.465"	11.46 – 11.81	0.147" – 0.171"	3.73 – 4.34
XA-5029	0.461" – 0.476"	11.70 – 12.10	0.157" – 0.181"	4.00 – 4.60
41023	0.484" – 0.503"	12.29 – 12.78	0.142" – 0.162"	3.61 – 4.11
XA-5615	0.485" – 0.502"	12.32 – 12.74	0.142" – 0.162"	3.61 – 4.11
XA-5612	0.489" – 0.503"	12.42 – 12.78	0.120" – 0.130"	3.05 – 3.31
40003	0.489" – 0.503"	12.78 – 12.42	0.120" – 0.130"	3.05 – 3.30
XA-9402	0.492" – 0.508"	12.50 – 12.90	0.118" – 0.142"	3.00 – 3.60
41097	0.497" – 0.508"	12.62 – 12.90	0.110" – 0.122"	2.79 – 3.10
XA-5679	0.505" – 0.519"	12.82 – 13.18	0.120" – 0.130"	3.05 – 3.30
XS-8088	0.505" – 0.519"	12.82 – 13.18	0.120" – 0.130"	3.05 – 3.31
XA-5514	0.565" – 0.585"	14.35 – 14.85	0.112" – 0.131"	2.85 – 3.35
XS-56751	0.618" – 0.634"	15.70 – 16.10	0.140" – 0.159"	3.55 – 4.05
XA-5896	0.630" – 0.644"	15.98 – 16.38	0.140" – 0.160"	3.56 – 4.06
XA-5675	0.631" – 0.644"	16.04 – 16.36	0.140" – 0.160"	3.56 – 4.06
XA-5537	0.668" – 0.682"	16.97 – 17.33	0.114" – 0.134"	2.90 – 3.40
5441	0.745" – 0.759"	18.92 – 19.28	0.125" – 0.137"	3.18 – 3.48
XA-5812	0.748" – 0.752"	19.21 – 19.71	0.100" – 0.135"	2.55 – 3.43
XS-5793	0.781" – 0.793"	19.85 – 20.15	0.110" – 0.126"	2.80 – 3.20
XA-5024	0.784" – 0.799"	19.90 – 20.30	0.144" – 0.171"	3.65 – 4.35
XA-6022-1	0.839" – 0.854"	21.30 – 21.70	0.051" – 0.067"	1.30 – 1.70
XA-5009	0.880" – 0.900"	22.36 – 22.86	0.149" – 0.173"	3.79 – 4.39

POREX® Battery Vents are available in a wide range of standard geometries and dimensions.



Color Coded, Round, & Rectangle

In addition to standard items, products may be customized to meet specific geometrical and performance requirements, including high temperature performance, custom air-flows, custom materials and dimensions.

Rectangular Vents	Thickness		Width		Length	
	Inches	mm	Inches	mm	Inches	mm
XA-5019	0.106" – 0.120"	2.70 – 3.06	0.228" – 0.244"	5.80 – 6.20	0.935" – 0.955"	23.75 – 24.25
XA-5020	0.108" – 0.120"	2.75 – 3.06	0.228" – 0.244"	5.80 – 6.20	1.171" – 1.191"	29.75 – 30.25
XS-7499	0.122" – 0.130"	3.10 – 3.30	0.378" – 0.394"	9.60 – 10.00	0.612" – 0.630"	15.55 – 16.00
XA-5001-3	0.128" – 0.148"	3.25 – 3.75	0.535" – 0.559"	13.60 – 14.20	0.524" – 0.547"	13.30 – 13.90



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