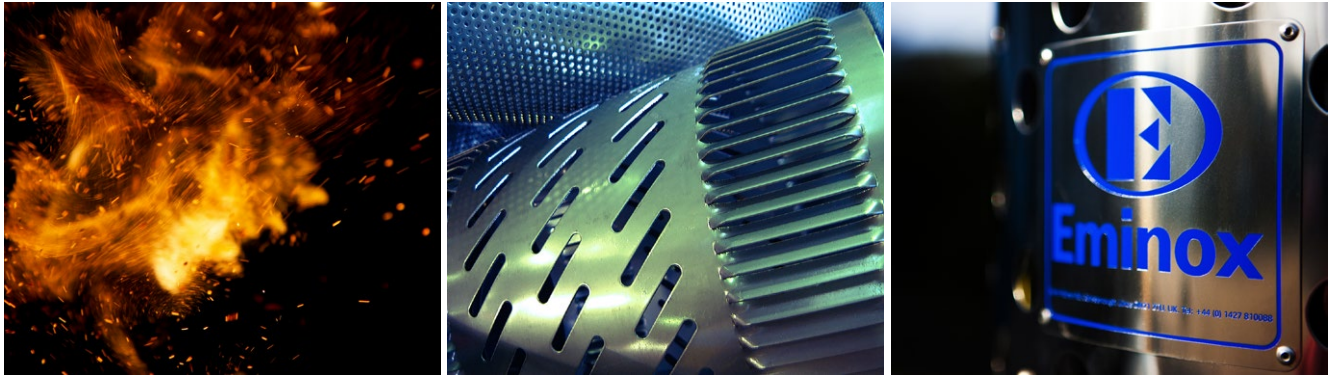


Eminox Spark Arrestors

Combustion Control Technology



When operating vehicles in potentially explosive atmospheres, the selection and fitment of a type-approved spark arrestor is an important safety and legal requirement. Choosing a high quality, well designed, engineered and constructed product is absolutely critical for potentially dangerous environments.

Our standard spark arrestors have been type-approved in accordance with EN 1834 parts 1, 2 & 3 to comply with ATEX Directive requirements (European Directive 94/9/EC).

They are all manufactured from 316 stainless steel to resist the possibility of failure through corrosion, and are rigorously tested to ensure their durability and effectiveness in removing potentially dangerous incandescent material.

Eminox spark arrestors can be found in the most demanding of environments in a wide range of industries where flammable vapours, powders and gases exist, including petrochemical, pharmaceutical, paints, adhesives and foods. Eminox supplies spark arrested exhaust systems to OEMs such as Terex Cranes, Liebherr, Manitowoc and Doosan.

Eminox engineers have designed the spark arrestor with a twin centrifuge and optimised internal gas flow, giving exceptional spark arrestor capabilities whilst minimising the increase in back pressure.

For safe and correct operation, it is critical that the spark arrestor is designed for use as part of a complete exhaust system.

Eminox Limited holds ISO 9001:2008, ISO/IEC 80079-34:2011 and ISO/TS 16949:2009. All spark arrestors are supplied with ID badges and certificates.

Eminox can supply complete exhaust systems or components. If you require an additional part, need advice on fitting your spark arrestor or would like Eminox to install it, please contact our service centre on +44 (0)1782 206300.



Eminox spark arrestors are available as solo units or with silencers...

- Select a part number from one of the tables below that covers your engine power in either BHP or KW
- Call Eminox on +44 (0)1782 206300 and order your spark arrestor today

Part Number	BHP	KW	Pipe Diameter		Body Diameter		Body Length		Max Flow Rate	BP	Velocity
	(range)	(range)	inch	mm	inch	mm	inch	mm	(CFM)	(inches HG)	m/s
WR07031	58 - 86	43 - 64	2.5	63.5	7	177.80	22.0	560	336 - 502	0.43 - 0.96	50 - 75
WR08084	83 - 123	62 - 92	3.0	76.2	8	203.20	23.6	600	483 - 724	0.57 - 1.28	50 - 75
WR10110	113 - 168	84 - 125	3.5	88.9	10	254.00	25.6	650	658 - 985	0.70 - 1.56	50 - 75
WR10112	148 - 220	110 - 164	4.0	101.6	10	254.00	26.0	660	859 - 1287	0.84 - 1.88	50 - 75
WR11028	186 - 278	139 - 207	4.5	114.3	11	279.40	27.0	685	1087 - 1629	0.99 - 2.23	50 - 75
WR12034	231 - 278	172 - 207	5.0	127.0	12	304.80	27.0	685	1342 - 2011	1.19 - 2.67	50 - 75
WRDN071	331 - 495	247 - 369	6.0	152.4	13.75	349.25	28.0	710	1932 - 2897	1.59 - 3.57	50 - 75
WRHN003	589 - 881	439 - 657	8.0	203.2	17.75	450.85	48.0	1220	3434 - 5150	0.64 - 1.43	50 - 75

Based on a exhaust gas tempture of 500°C

Spark Arrestors with Built-In Silencer

Part Number	BHP	KW	Pipe Diameter		Body Diameter		Body Length		Max Flow Rate	BP	Velocity
	(range)	(range)	inch	mm	inch	mm	inch	mm	(CFM)	(inches HG)	m/s
WR06032	38 - 55	28 - 41	2.0	50.8	6	152.40	39.0	990	0 - 321	0.00 - 1.65	0 - 75
WR07033	58 - 86	43 - 64	2.5	63.5	7	177.80	22.0	560	336 - 502	0.43 - 0.96	50 - 75
WR08086	83 - 123	62 - 92	3.0	76.2	8	203.20	42.1	1070	483 - 724	0.57 - 1.29	50 - 75
WR10121	113 - 168	84 - 125	3.5	88.9	10	254.00	43.3	1100	658 - 985	0.71 - 1.60	50 - 75
WR10114	148 - 220	110 - 164	4.0	101.6	10	254.00	42.1	1070	859 - 1287	1.07 - 2.41	50 - 75
WR10115	186 - 278	139 - 207	4.5	114.3	10	254.00	46.1	1170	1087 - 1629	1.10 - 2.46	50 - 75
WR11032	231 - 278	172 - 207	5.0	127.0	11	279.40	44.5	1130	1342 - 2011	1.29 - 2.89	50 - 75
WR12039	231 - 278	172 - 207	5.0	127.0	12	304.80	42.5	1080	1342 - 2011	1.29 - 2.90	50 - 75
WRDN078	331 - 495	247 - 369	6.0	152.4	13.75	349.25	45.7	1160	1932 - 2897	1.41 - 3.18	50 - 75
WRDN079	589 - 881	439 - 657	8.0	203.2	13.75	349.25	57.1	1450	3434 - 5150	2.45 - 5.52	50 - 75

Based on a exhaust gas tempture of 500°C

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 05.10.16
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