

SparkArrestor



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Spark arrester type C

Spark arrestors of type C are especially designed for applications in exhaust systems with high demands regarding explosion risk. The spark arrestors are to be mounted in the flues where they remove sparks or other particles from the gas stream.

Its operation is based on the centrifugal principle, a number of fixed blades make the gas stream rotate, swinging the particles against the outer wall where they are collected in the so-called spark collector. The spark arrestors have been tested according to the NEN-EN 1834-1 directive and have a mutual recognition type approval, which means that this certificate is recognised by most certifying bodies (such as DNV.GL, BV, ABS, RINA, etc.). Virtually all types of spark arrestors are available from stock.

Mounting

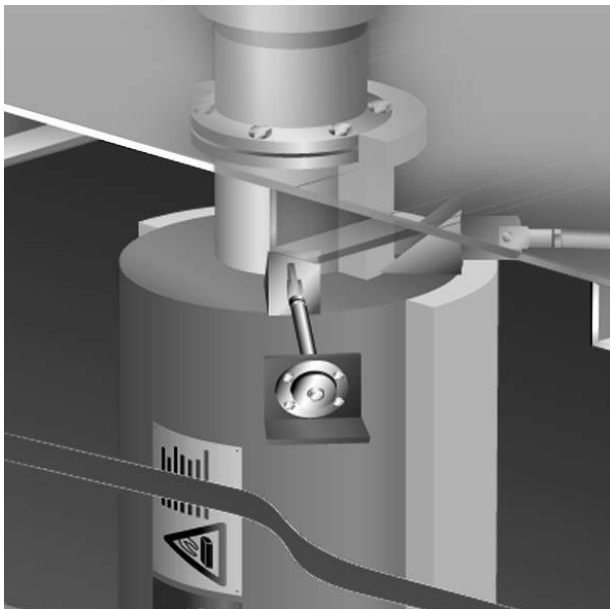
The spark arrestors may be mounted in any position, considering of course the indicated direction of flow. Operation is optimal when the spark collector is placed underneath the horizontal axis. Optionally, up to NB100 spark arrestors are available with flanges, weld ends or "slip on" with clamping brackets.

Quality and safety

Our manufacturing process from design to delivery is in conformity with the ISO 9001:2000 standard, for which we have been certified. Spark arrestors are built-in components, therefore no CE marking applies. However in the description of your final product you will have to indicate any potential dangers, for example risk of burns. Therefore we have put a label on your silencer in advance.

Note!

For proper operation, regular cleaning is necessary.



Technical specifications

Recommended designed gas flow	min. 20 and max. 40 m/s
Pressure drop spark arrestor	see Cw-values in the following chart
Maximum allowable gas temperature	600°C: applies to S 235 JR G2. For other temperatures / materials please ask for our advice.
Material	S 235 JR G2; Stainless-steel, Corten or others are optional
Preservation	anticorrosive heat-resistant coating (anthracite).
Insulation	as the body virtually will take the temperature of the medium, in many cases lagging will be necessary.
Flanges	drilled according to according to EN1092-1 type 01 table 11 (DIN 2573 PN6). Other flange models on request
Identification	plate with spark arrestor type and order number
Maintenance	regular cleaning of spark arrestor Options radially placed inlet and/or outlet, mounting brackets

Dimensions

NB (nominal bore)	A (mm) outer pipe diameter	B (mm)	C (mm)	D (mm)	F	weight (kg)	CW	
40	1½"	48,3	130	200	110	½"	4	3,37
50	2"	60,3	155	220	115	½"	5	3,16
65	2½"	76,2	180	245	140	½"	6	3,2
80	3"	88,9	206	270	165	¾"	8	3,16
100	4"	114,3	256	340	220	¾"	12	3,19
125	5"	139,7	306	410	270	¾"	23	3,22
150	6"	168,3	356	460	320	¾"	30	2,99
200	8"	219,1	401	560	420	1"	44	3,33
250	10"	273,0	556	700	506	1"	74	3,2
300	12"	323,9	608	750	556	1"	99	3,51
350	14"	355,6	708	800	606	1½"	126	3,17
400	16"	406,4	708	900	706	1½"	144	3,66
450	18"	457,2	800	1000	806	1½"	180	4,13
500	20"	508,0	908	1050	856	1½"	214	3,54

For standard dimensions see above chart; larger or other dimensions available on request

