

Specifications - Deflagration arrestors SDB – Series

Type	DN	Ø	A	B	C	W [kg]	Drawing
SDB519	50	2"	215	176	94	8.5	
SDB6519	65	2½"	230	178	86	9.0	
SDB8019	80	3"	240	208	108	12.0	
SDB1019	100	4"	265	230	120	17.0	
SDB1219	125	5"	330	284	158	23.0	
SDB1529	150	6"	350	342	200	33.0	
SDB2029	200	8"	370	402	232	49.0	
SDB2529	250	10"	470	488	290	-	
SDB3039	300	12"	470	530	308	-	
SDB3539	350	14"	480	596	344	-	
SDB4039	400	16"	570	700	416	-	

Material

Stainless steel, resistant against rust and chemicals

- Housing: 316L 1.44
- Filter element: 316L 1.45
- Screws: 304L A2

Compliant directives

- ATEX 94/9/EG
- EN 12874:2001
- EN ISO 16852:2010
- EN 1127-1:1997

Specification

P_{max}: 110 mbar
 Temperature: -20 to 60° C
 Gas group: IIA1 (Methane / Air)
 Safety gap: 1.14 mm exp. / 0.7 mm eff.
 Protection: Deflagration @ DN/L-Ratio <1/50
 Endurance burn

Special features

- No condensate- and dirt accumulations in cause of eccentric housing design
- Low pressure drop in cause of big filter element size
- Easy dismantling and maintenance in cause of carrying handle / lifting eye on filter element
- Applicable in any mounting position and any flow direction
- 66% less weight then conventional cast executions in cause of welding construction and modular design

The European Patent Office accepts our invention

