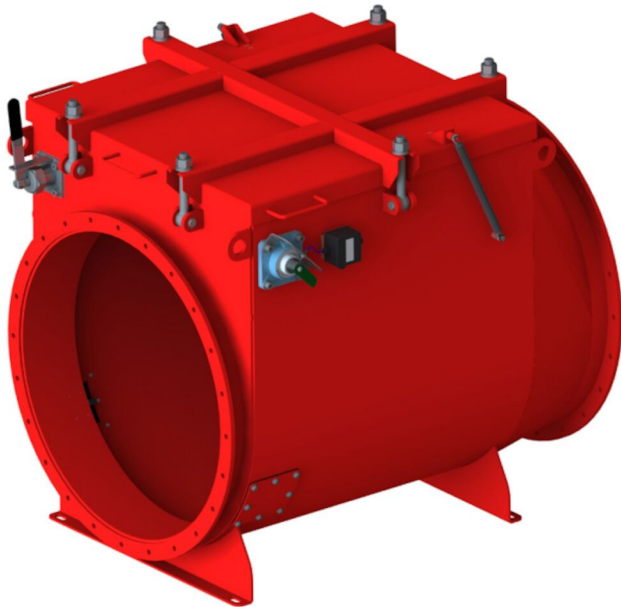


B-Flap I – 隔爆翻板阀

隔爆翻板阀 B-Flap I – 保护系统



隔爆翻板阀B-Flap I可减少爆炸压力，防止爆炸产生的压力波和火焰蔓延到其他区域。产品符合European Directive 2014/34/EU，并获得EN 16447:2014认证。

B-Flap I 必须且只能用于拉式结构。

描述:

焊接结构，碳钢，喷漆颜色RAL 3000
不锈钢，如无特殊需求不含表面抛光

功能:

除尘器等下游设备发生爆炸时，产生的压力波将阀板关闭并锁住，从而阻挡火焰蔓延到上游设备及其他生产区域。

室内阀，区域20

室外阀，区域21,22，无区域

品名	B-Flap I-隔爆翻板阀
材料	Painted carbon steel
作业温度	-40° C to 80° C
环境温度范围	-40° C to 80° C (-20° C to 60° C for versions with electrical accessories)
Dust Concentration in duct	500 g/m ³
Max velocity in duct (m/s)	35
Minimum velocity in duct	0
Install type	Pull



B-Flap I-隔爆翻板阀

直径 (mm)	重量 (公斤)	Min vessel size (m3)	Explosion Class ATEX	Minimum vessel size, pull (m3)	Kst (bar m/s)	Maximum reduced pressure, Pred (bar)	产品编号
100	9	0,46	St1	0,46	200	0,6	73007996*
125	11	0,46	St1	0,46	200	0,6	73007998*
150	13	0,46	St1	0,46	200	0,6	73008000*
200	18	0,46	St1	0,46	200	0,6	73008002*
250	40	0,9	St1	0,9	200	0,45	73008004*
300	50	0,9	St1	0,9	200	0,45	73008006*
315	53	0,9	St1	0,9	200	0,45	73008008*
355	61	0,9	St1	0,9	200	0,45	73008010*
400	77	0,9	St1	0,9	200	0,45	73008012*
100	9	0,46	St1	0,46	200	0,6	73008021**
100	9	0,46	St2	0,46	300	0,6	73008022**
125	11	0,46	St1	0,46	200	0,6	73008023**
125	11	0,46	St2	0,46	300	0,6	73008024**
150	13	0,46	St1	0,46	200	0,6	73008025**
150	13	0,46	St2	0,46	300	0,6	73008026**
200	18	0,46	St1	0,46	200	0,6	73008027**
200	18	0,46	St2	0,46	300	0,6	73008028**
250	40	0,9	St1	0,9	200	0,45	73008029**
250	40	0,9	St2	0,9	300	0,35	73008030**
300	50	0,9	St1	0,9	200	0,45	73008031**
300	50	0,9	St2	0,9	300	0,35	73008032**
315	53	0,9	St1	0,9	200	0,45	73008033**
315	53	0,9	St2	0,9	300	0,35	73008034**
355	61	0,9	St1	0,9	200	0,45	73008035**
355	61	0,9	St2	0,9	300	0,35	73008036**
400	77	0,9	St1	0,9	200	0,45	73008037**
400	77	0,9	St2	0,9	300	0,35	73008038**
450	88	1,6	St1	1,6	200	0,35	73008039**
500	101	1,6	St1	1,6	200	0,35	73008040**
560	157	6	St1	6	200	0,45	73008041**
630	180	6	St1	6	200	0,45	73008042**

*B-FLAP I, sizes 100-400, St1 marked, may be used on light metal dust (aluminum, etc..)

**不锈钢

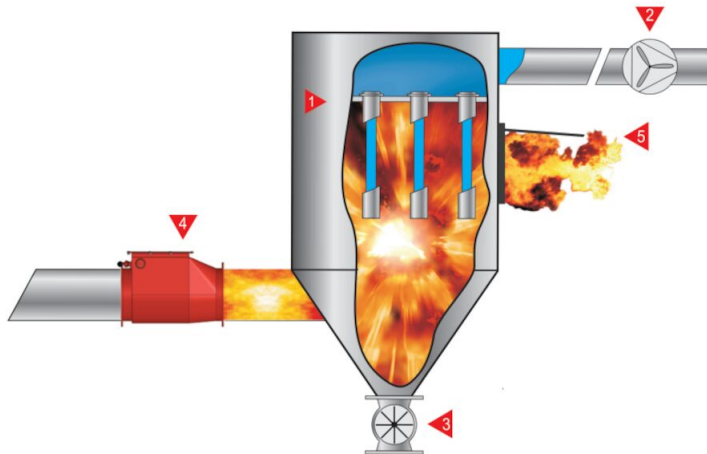
B-Flap I-隔爆翻板阀

附件		产品编号
	Position sensor ATEX version (zone 21, 22, no zone)	73002043
	Position sensor standard version (no zone)	73002168
	Position and Dirt sensors ATEX version (zone 21, 22, no zone)	73008049*

**Detecting part –
Inside for Zone 20 and Cable end for Zone 21, 22 or non-zone*

B-Flap I – 隔爆翻板阀

Working B-Flap during explosion:



- 1) Filter
- 2) Fan
- 3) Rotary feeder
- 4) B-Flap valve
- 5) Explosion burst membran

Dust combustion properties:

Dust combustion propertis	
Dust DN 100 to DN 400	up to $K_{st} = 300 \text{ bar}\cdot\text{m}\cdot\text{s}^{-1}$ - non-metal dust
	up to $K_{st} = 350 \text{ bar}\cdot\text{m}\cdot\text{s}^{-1}$ - metal dust

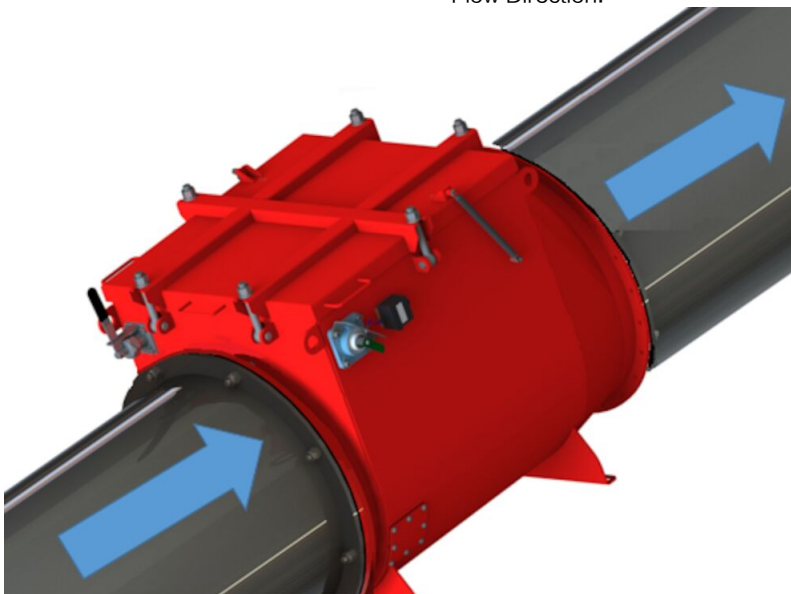
B-Flap I – 隔爆翻板阀

Installation distance, pressure and vessel volume:

B-FLAP I		DN 100		DN 125 to DN 200			DN 250 to DN 400		
Dust explosive class		St1	St3	St1	St3	St3	St1	St3	St3
Max. p_{red} in the container $p_{red,max}$ [bar]		0,6	0,85	0,6	0,6	0,6	0,45	0,35	0,7
Pressure resistance p_{max} [bar]		3,2		5			1,8		
Minimum installation distance L_{min} [m]	Pipes without elbows	3	2,5	3	3	3,2*	4	4	5,2
	Pipes with elbows	4		4	4		5	5	
Maximum installation distance L_{max} [m]		15		15			15		
Minimum protected vessel volume (m3) (Applies to installations according to EN 16447)		0,46	0,4	0,46	0,46	1,35	0,9	0,9	1,35
Max. air velocity in the pipe (in the explosion direction) [m/s]		35		35	30		20	12	
Max. air velocity in the pipe (against the explosion direction) [m/s]		35							

*3,2 m for metal dust

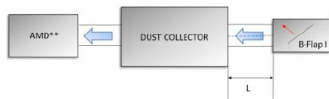
Flow Direction:



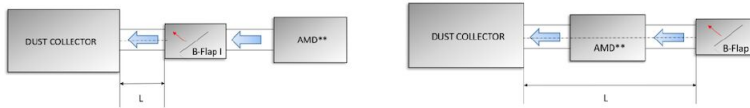
B-Flap I – 隔爆翻板阀

Special installation requirements,
PULL and PUSH Configurations – distance rules

PULL configuration



PUSH configuration

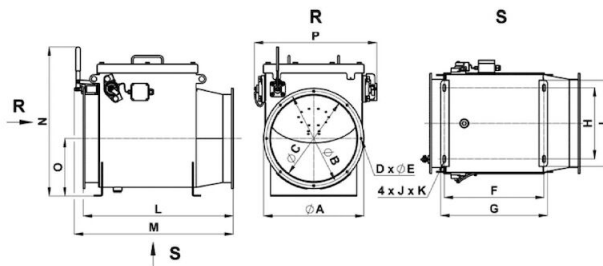


** AMD=Air moving device or fan

A) Dust Collector

B) AMD (Air Moving Device or fan)

B-Flap I dimensions:



Part number	S11	S13	Type	Dimensions															
				φA [mm]	φB [mm]	φC [mm]	D	E	F	G	H	I	J	K	L	M	N	O	P
73007996	73008765	DN 100	152	132	100	4	188	210	80	125	10	25	280	312,5	303	99	244	9	
73007998	73008766	DN 125	177	157	125		213	235	100	145			305	337,5	327	111,5	269	11	
73008000	73008767	DN 150	202	182	150		238	260	125	170			330	362,5	353	124	294	13	
73008002	73008768	DN 200	253	233	200	6	288	310	170	215			390	422,5	403	149	344	18	
73008004	73008769	DN 250	303	283	250		311	244	200	270			510	551	541	192	417	41	
73008758	73008770	DN 280	343	317	280	9,5	341	374	230	300			560	601	576	207	447	48	
73008006	73008771	DN 300	363	337	300		361	394	245	315			580	621	591	217	467	51	
73008008	73008772	DN 315	378	352	315	8	376	409	255	325	12	32	600	641	606	224,5	482	54	
73008010	73008773	DN 355	418	392	355		416	449	290	360			630	671	646	244,5	522	62	
73008012	73008774	DN 400	464	438	400		462	495	330	400			695	736	692	267,5	568	73	

1) Part number

2) Type

3) Dimensions [mm]

*) not available