

All about electrostatics, our know-how is yours!

Explosion Proof ION BAR

No Explosion



SIB-ex Series

The only explosion-proof ionizer with ATEX Certification for Europe and KGS Certification for Korea.



Key Features

- Acquired explosion-proof certification in domestic and foreign
 - The only explosion-proof ionizer with ATEX Certification for Europe and KGS Certification for Korea
- The highest safety
 - No risk of explosion with low ignition energy
 - No firing potential with using flame retardant material
- Rugged reliability
 - Aluminum and stainless steel frame structure
- Various composition, remarkable cost-effectiveness
 - The length range of products (100~3000mm)
 - 2ea of SIB-ex can be connected to one controller(SBP-08A3) (High-voltage cables can be connected to the SIB-ex up to 10m)

Specifications

▶ Ion Bar (SIB-ex Series)

Parameter		Description / Value
Ion-Generation Method		Corona discharge AC (Capacity coupled)
Applied Voltage		Max AC 7kV(±7%), 50/60Hz
Max. Current		5mA(from emitter point earth)
Electrode Material	Main Body	Aluminum, PVC, PA
	Bracket	SUS
	Electrode	SUS
	Cable Insulator	PE, PVC
Ion Bar Length		100mm ~ 3000mm (Step 100mm)
Cable Length		Max. 10m (Ion Bar to Controller)
Operating Distance		50 ~ 200mm (Non air pressure)
Mounting Method		Ceiling, Wall
Ambient Condition		0℃ ≤ Tamb ≤ +40℃
Warranty		1 year
Atmospheric Pressure		80kPa ~ 110kPa
Certification Standard	IECEX Test Report: IEC 60079-0:2017, 7th Edition	
	IECEX Test Report: IEC 60079-7:2015, 5th Edition	
	IECEX Test Report: IEC 60079-33:2012, 1st Edition	
Type of Protection		Ex eb sb IIA T6 Gb

※ The appearance and specification of the product may be changed without prior notice for the improvement of the product.

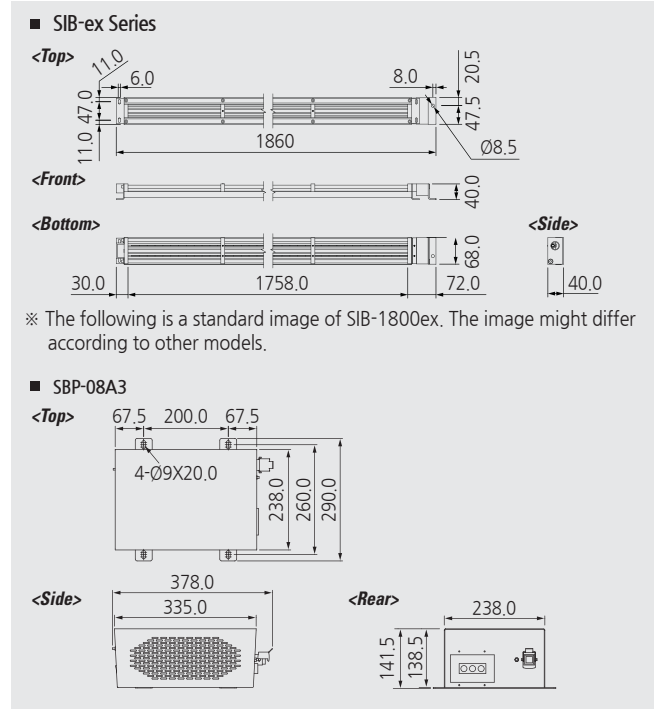
▶ Power Controller (SBP-08A3)

Parameter		Description / Value
Input Power		AC 110V or AC 220V, 50/60Hz
Power Consumption	110V	Max 24.2VA(220mA)
	220V	Max 24.2VA(110mA)
Output Port		3 Ports
Output Voltage		AC 8kV ±7% (Max.)
Operating Temperature		0℃ ~ +50℃(32℉ ~ 122℉)
Weight		8.1kg
Cover Material		EGI
Installation location		To be installed at a non hazardous place
Dimensions		See the accompanying drawing paper
Protection		Circuit Breaker for Equipment thermal
Mounting Method		Desk Top or Wall Mount
Size		238 X 335 X 141.5 mm
Warranty		1 Year

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※ SBP-08A3(Controller) is not explosion-proof product, so it is prohibited to install in hazardous areas.

Dimensions



Models Composition

No.	Model No.	A	B	Tip Q'ty	Certification
1	SIB-100ex	160	102	3	ATEX
2	SIB-200ex	260	202	13	ATEX
3	SIB-300ex	360	302	23	ATEX
4	SIB-400ex	460	402	33	ATEX
5	SIB-500ex	560	502	43	ATEX
6	SIB-600ex	660	602	53	ATEX
7	SIB-700ex	760	702	63	ATEX
8	SIB-800ex	860	802	73	ATEX
9	SIB-900ex	960	902	83	ATEX, KGS
10	SIB-1000ex	1060	1002	93	ATEX
11	SIB-1100ex	1160	1102	103	ATEX
12	SIB-1200ex	1260	1202	113	ATEX
13	SIB-1300ex	1360	1302	123	ATEX
14	SIB-1400ex	1460	1402	133	ATEX
15	SIB-1500ex	1560	1502	143	ATEX
16	SIB-1600ex	1660	1602	153	ATEX, KGS
17	SIB-1700ex	1760	1702	163	ATEX
18	SIB-1800ex	1860	1802	173	ATEX, KGS
19	SIB-1900ex	1960	1902	183	ATEX
20	SIB-2000ex	2060	2002	193	ATEX, KGS
21	SIB-2100ex	2160	2102	203	ATEX
22	SIB-2200ex	2260	2202	213	ATEX
23	SIB-2300ex	2360	2302	223	ATEX
24	SIB-2400ex	2460	2402	233	ATEX
25	SIB-2500ex	2560	2502	243	ATEX
26	SIB-2600ex	2660	2602	253	ATEX
27	SIB-2700ex	2760	2702	263	ATEX
28	SIB-2800ex	2860	2802	273	ATEX
29	SIB-2900ex	2960	2902	283	ATEX
30	SIB-3000ex	3060	3002	293	ATEX