

ION BAR

ASG-AFU Series



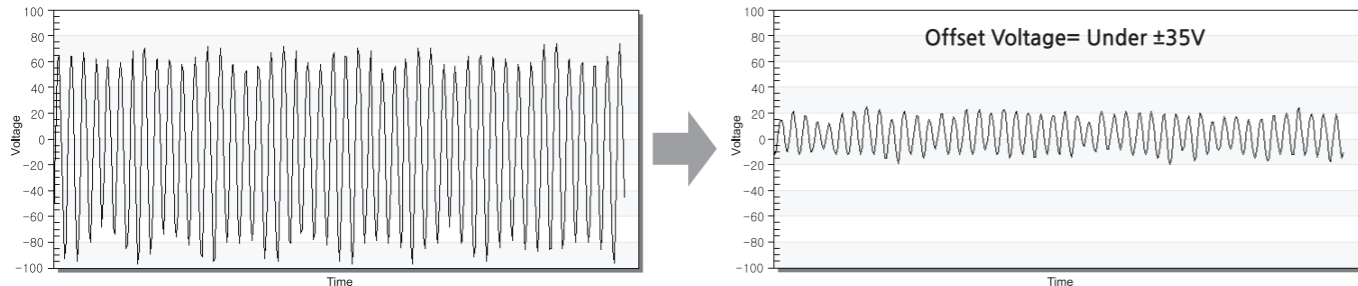
제품사양 / Product Specification

Category	Specification
입력 전압 (Input voltage)	DC 24V± 10%
입력 전류 (Input current)	Max. 300mA
소비 전력 (Power consumption)	Max. 8W
방전 전압 (Emitter voltage)	±4.75kV~±5.5kV (4 level adjustable)
출력 주파수 (Output frequency)	0.5Hz ~ 100Hz (Adjustable)
이온 발생 방식 (Ion generating method)	Corona discharge
전압 인가 방식 (Voltage application method)	Pulsed AC
재질 (Material)	Body : ABS / Emitter pins : Tungsten
방전핀 교체 (Emitter replacement)	Replaceable
오프셋 전압 (Offset voltage)	Under ±35V (@ Distance 50mm)
계전 거리 (Coverage distance)	10mm ~ 300mm
공급 에어 (Air)	공급류브 직경 (Air tube diameter) Ø6 (Outside)
공급 압력 (Pressure)	0.05 ~ 0.3MPa (Usually under 0.2MPa)
공급 유량 (Flow) / Per 1 emitter	2L/min(±10%) [Under 0.1MPa]
오존발생량 (Ozone generation)	Under 0.005ppm
사용 온도 (Ambient temperature)	0°C ~ +50°C (32~122°F)
사용 습도 (Ambient humidity)	35~85%RH (No condensation)

※ 제품의 사양은 성능 개선을 위하여 별도의 통보 없이 변경될 수 있습니다.
Specification is subject to change without notice for the improvement of product performance.

제품장점 / Advantages

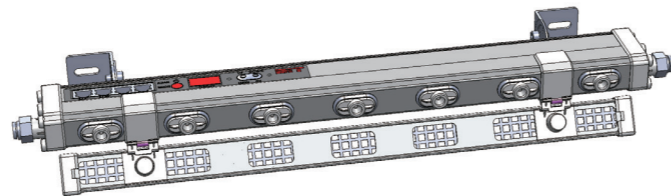
초근접 거리에서 안정적인 제전 성능 Stable Performance at a Very Close Distance



일반적인 Pulsed AC 타입
Common Pulsed AC Type

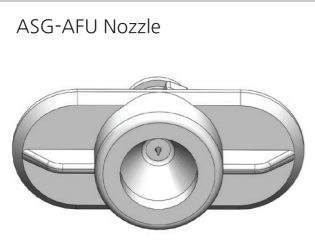
초근접형 Pulsed AC 타입(ASG-AFU)
Ultra Proximity Pulsed AC Type(ASG-AFU)

손쉬운 유지 보수 Easy Maintenance



방전 핀 청소 및 교환이 가능하도록 매쉬 커버 120° Open 설계
: 매쉬 커버를 열수 있어 방전핀 청소 및 교환이 가능
Mesh cover is able to tilt 120 degree for easy maintenance of emitter pins : Users can open the mesh cover, clean and exchange emitter pins.

최적의 노즐 설계로 효율성 극대화 Maximizing Efficiency with Special Nozzle



최적의 노즐 설계로 에어소모량을 줄이면서 이물질의 생성을 최소화 합니다.
Special nozzle is designed to reduce air supply requirement and minimize pollutant production and accumulation on emitter pin.

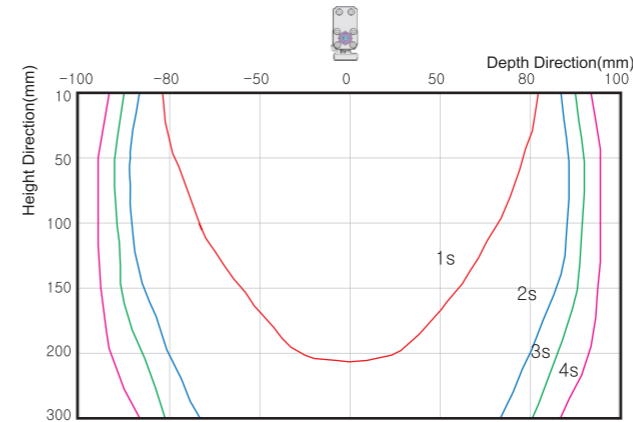
노즐의 에어소모량을 줄이면서 방전핀 첨단부에 이물질 부착을 최소화 할 수 있는 공기역학적 구조 설계
Special nozzle is designed using aerodynamics.

- * 노즐당 에어소모량
Air supply requirement per emitter
0.3MPa ... Approx 5.1 l/min
0.1MPa ... Approx 2.0 l/min

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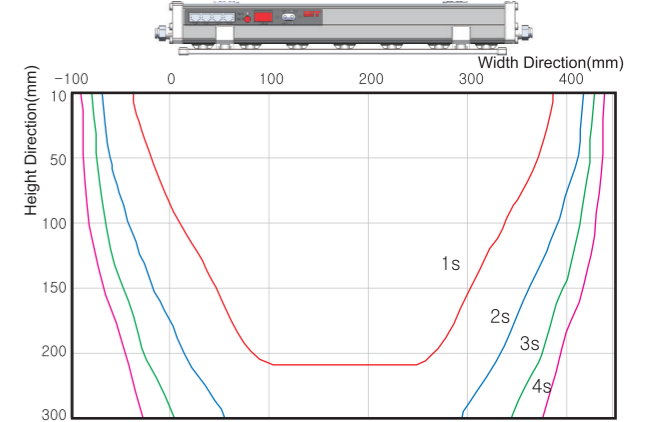
제품성능 / Product Performances

Relation between Depth Direction and Decay Time

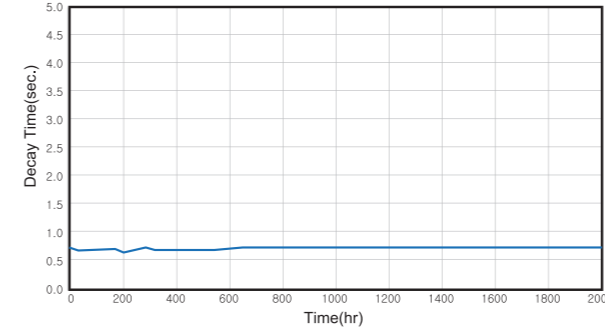


Air purge : 0.2MPa, Frequency : 60Hz, Measurement condition : 1kV → 0.1kV
Charged plate dimensions : 150mm x 150mm, Capacity : 20pF

Relation between Width Direction and Decay Time

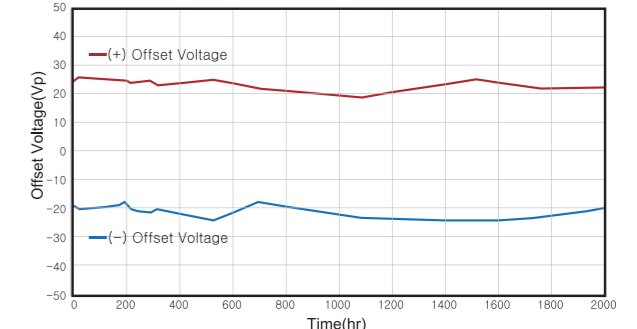


Long Term Performance of Decay Time



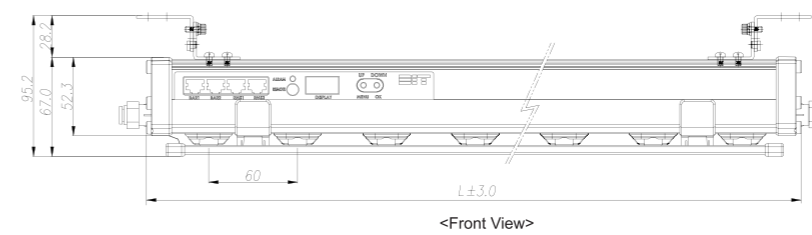
Air purge : 0.1MPa, Frequency : 100Hz, Distance : 50mm Measurement condition : 1kV → 0.1kV
Charged plate dimensions : 150mm x 150mm, Capacity : 20pF

Long Term Performance of Offset Voltage



※ 상기 성능그래프는 당사 실험실 기준입니다. (This graph is based on our laboratory environment testing.)

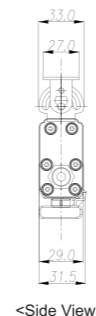
제품외관도 / Dimensions



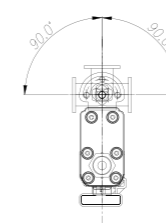
<Front View>



<Bottom View>



<Side View>



<Bracket Rotation>

(Unit : mm)

Main Model	Length
ASG-A045FU	448mm
ASG-A050FU	508mm
ASG-A060FU	628mm
ASG-A070FU	688mm
ASG-A080FU	808mm
ASG-A090FU	928mm
ASG-A100FU	988mm
ASG-A110FU	1108mm
ASG-A120FU	1228mm
ASG-A130FU	1288mm
ASG-A160FU	1588mm
ASG-A210FU	2128mm
ASG-A230FU	2308mm
ASG-A300FU	3028mm

상기 Length값은 에어피팅부 제외 길이입니다.
Air-fitting part is not included in the length above.

ASG-AFU 시리즈의 길이는 최소 448mm에서 최대 3028mm 까지 길이 대응이 가능한 제품입니다.
Bar Length : Sizes available from min 448mm up to 3028mm.

※ 모든 부속물 별도 구매
All parts NOT included (Option : Bracket/Power cable)