

# ION BAR

## ASG-PG Series



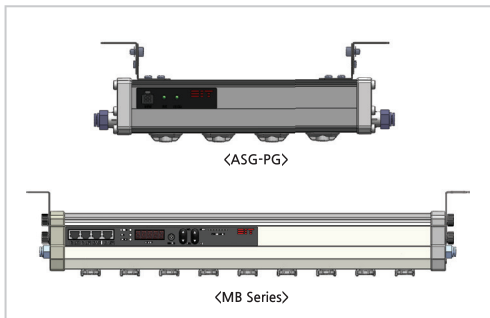
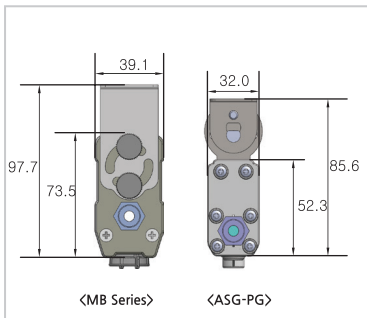
### 제품사양 / Product Specification

Category	Specification	
입력 전압 (Input voltage)	DC 24V± 10%	
입력 전류 (Input current)	Max. 900mA	
소비 전력 (Power consumption)	Max. 22W	
방전 전압 (Emitter voltage)	±4.7kV (±5%)	
출력 주파수 (Output frequency)	29kHz	
이온 발생 방식 (Ion generating method)	Corona discharge	
전압 인가 방식 (Voltage application method)	High-Frequency AC	
재 질 (Material)	Body : ABS / Emitter pins : Tungsten	
방전핀 교체 (Emitter replacement)	Replaceable	
이온 밸런스 (Ion balance)	Under average ±30V	
제전 거리 (Coverage distance)	100mm ~ 1000mm	
공급 에어 (Air)	종 류 (Type)	CDA(Clean dry air), N2
	압 력 (Pressure)	0.05 ~ 0.5 MPa (Usually under 0.3MPa)
	유 량 (Flow) / Per 1 emitter	2L/min(±10%) [Under 0.1MPa]
	공급튜브 직경 (Air tube diameter)	Ø6 (Outside)
오존발생량 (Ozone generation)		Under 0.05ppm
사용온도 (Ambient temperature)		0℃ ~ +50℃ (32~122 F)
사용습도 (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.

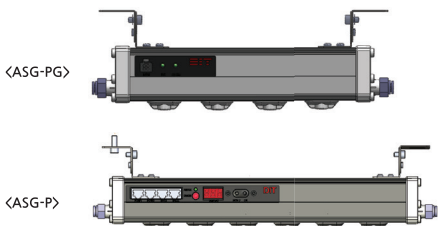
### 제품장점 / Advantages

#### MB Series 대비 단면적 40% 감소 Cross-Sectional Area Reduced by 40% Comparing MB Series



MB Series 대비 부피 및 중량이 현저히 감소하여 좁은 공간에서도 설치가 용이합니다.  
Easy to install even in narrow space due to remarkably reduced size and weight.

#### ASG-P Series보다 짧은 길이 가능 / Shorter Length than ASG-P Series

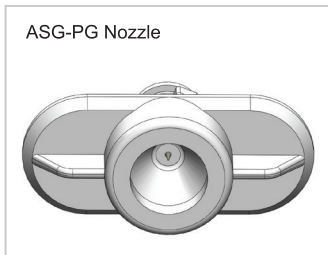


ASG-P Series에서 Display부를 제거 함으로써 262mm, 322mm 제작이 가능합니다.  
The size of ASG-PG Series is available 262mm, 322mm by removing the FND display of ASG-P Series.

ASG-P Series의 경우, 최소 382mm부터 제작 가능  
The size of ASG-P Series is available from min 382mm.

※ 단, RS485 통신 기능 없음  
RS485 communication function is not available.

### Low Maintenance



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

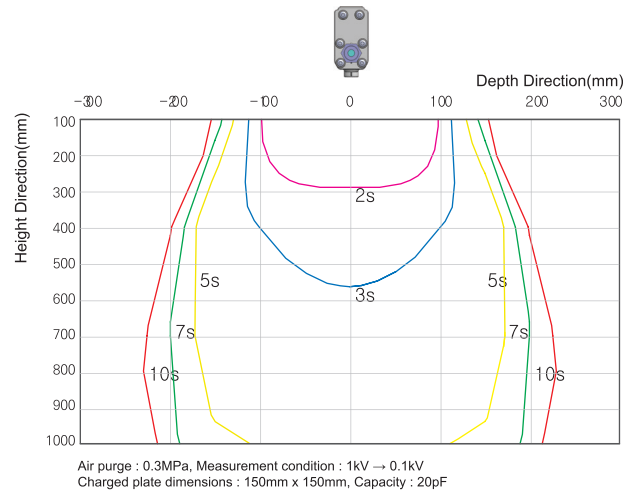
노즐의 Air 소모량을 줄이면서 방전핀 침단부에 이물 부착을 최소화 할 수 있는 Aerodynamic 구조 설계  
Special nozzle is designed using aerodynamics.

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

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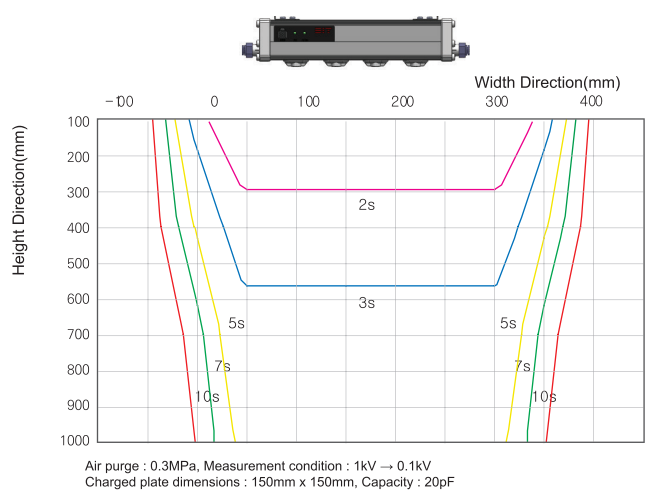
### 제품성능 / Product Performances

#### Relation between Depth Direction and Decay Time



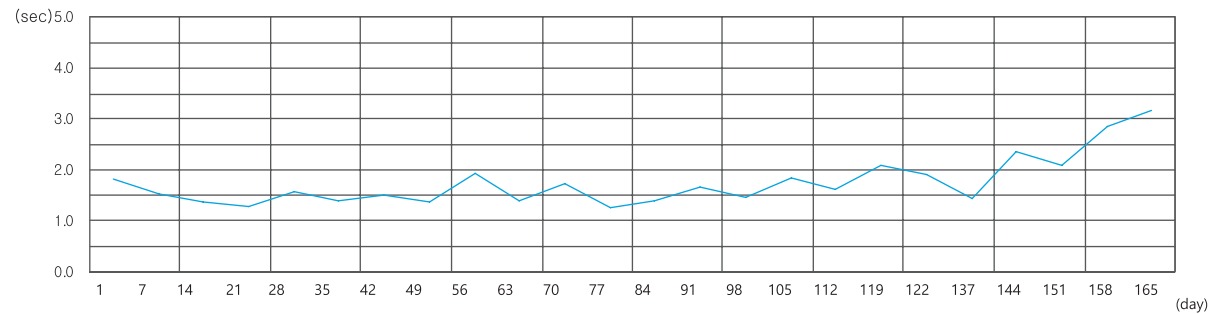
Air purge : 0.3MPa, Measurement condition : 1kV → 0.1kV  
Charged plate dimensions : 150mm x 150mm, Capacity : 20pF

#### Relation between Width Direction and Decay Time



Air purge : 0.3MPa, Measurement condition : 1kV → 0.1kV  
Charged plate dimensions : 150mm x 150mm, Capacity : 20pF

#### Relation between Depth Direction and Decay Time

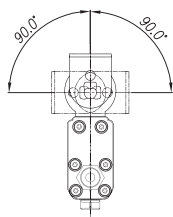
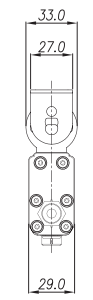
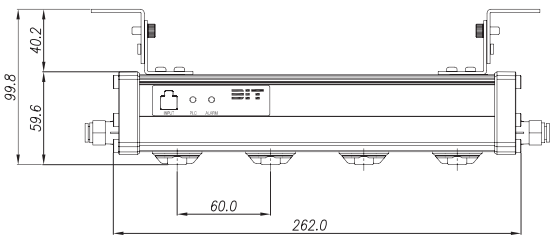


Air purge : 0.3MPa, Distance : 300mm, Measurement condition : 1kV → 0.1kV  
Charged plate dimensions : 150mm x 150mm, Capacity : 20pF

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

### 제품외관도 / Dimensions

#### ASG-P025G



(Unit : mm)

Main Model	Length
ASG-P025G	262mm
ASG-P030G	322mm

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

ASG-PG Series의 길이는 262mm, 322mm 두 사이즈 제품입니다.  
Bar Length : Sizes available 262mm, 322mm

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

#### ASG-P030G

