

# ION BAR

## ASG-PG Series

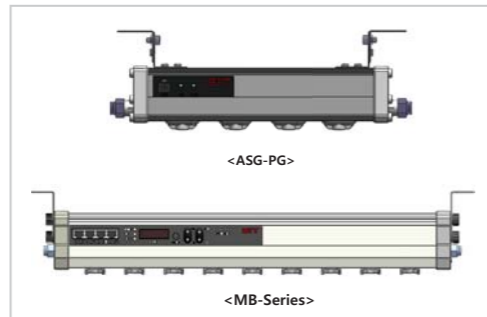
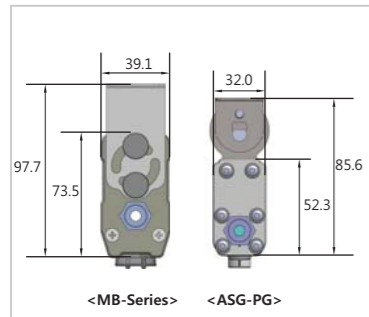
### 제품사양 / Product Specifications

Category	Specifications
입력 전압 (Input voltage)	DC 24V± 10%
입력 전류 (Input current)	MAX. 900mA
방전 전압 (Emitter voltage)	±4.7kV (±5%)
소모 전력 (Power consumption)	Max. 22W
출력 주파수 (Output frequency)	29KHz
이온 발생 방식 (Ion generating method)	Corona discharge
전압 인가 방식 (Voltage application method)	High-Frequency AC
재질 (Material)	Body : ABS / Emitter Pins : Tungsten
방전핀 교체 (Emitter replacement)	Replaceable
이온 밸런스 (Ion balance)	Under average ±30V
제전 거리 (Coverage distance)	100mm ~ 1000mm
종류 (Type)	CDA(Clean Dry Air), N2
공급 압력 (Pressure)	0 ~ 0.5 Mpa (Usually under 0.3Mpa)
유량 (Flow) / Per 1 emitter (Air)	2L/min(±10%) [under 0.1Mpa]
공급튜브 직경 (Air tube diameter)	6pi (Outside)
오존 발생량 (Ozone generation)	Under 0.05ppm
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

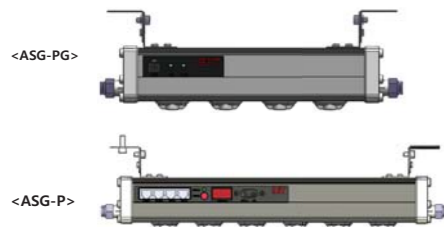
### 제품장점 / Advantages

#### MB-Series 대비 단면적 40% 감소 Cross-sectional area reduced by 40%



✓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 / ASG-PG can be shorter than ASG-P

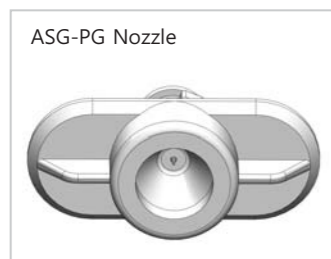


ASG-P Series에서 Display부를 제거 함으로써 250mm, 300mm 제작이 가능합니다.  
The size of ASG-PG Series is available 250mm, 300mm by removing the FND display of ASG-P Series.

[ASG-P Series의 경우, 최소 350mm부터 제작 가능]  
The size of ASG-P Series is available from min 350mm.

※ 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.

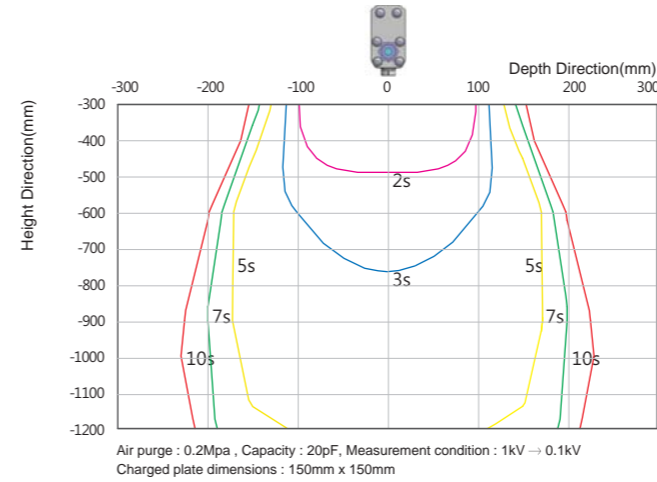
※ 노즐의 Air 소모량을 줄이면서 방전핀 첨단부에 이물질 부착을 최소화 할 수 있는 Aerodynamic 구조 설계.  
Special nozzle is designed using aerodynamics.

\* 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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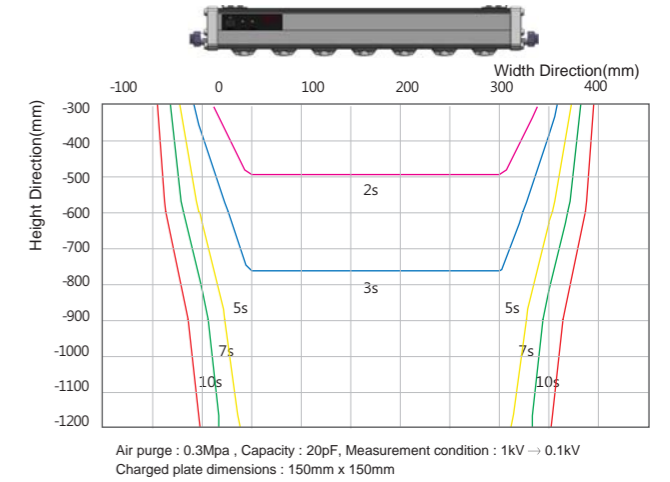
### 제품성능 / Product Performances

#### Relation between Depth Direction and Decay Time



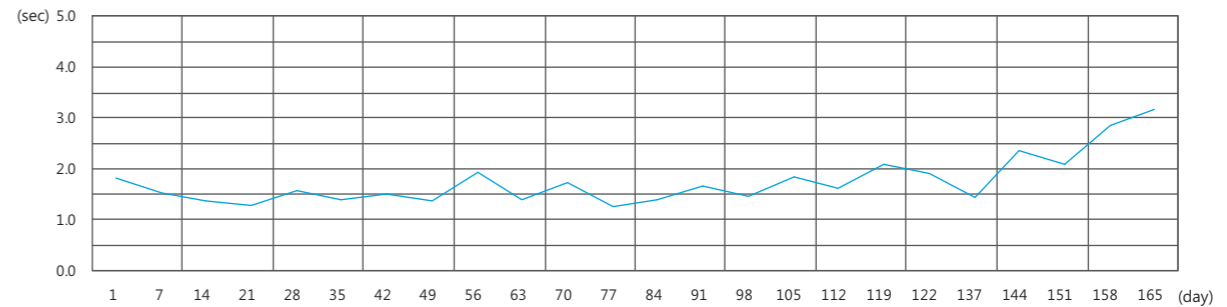
Air purge : 0.2Mpa , Capacity : 20pF, Measurement condition : 1kV → 0.1kV  
Charged plate dimensions : 150mm x 150mm

#### Relation between Width Direction and Decay Time



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

#### Relation between Day and Decay time



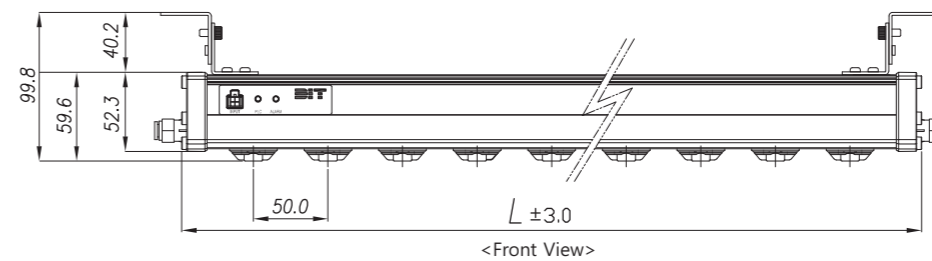
Air purge : 0.3Mpa , Capacity : 20pF, Measurement condition : 1kV → 0.1kV  
Charged plate dimensions : 150mm x 150mm, Distance : 300mm

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

(Unit : mm)

### 제품외관도 / Dimensions

ASG-PG

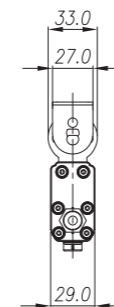


Main Model	Length
ASG - P025G	246mm
ASG - P030G	296mm

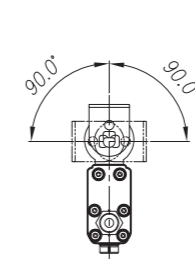
※ 상기 Length값은 Air-Fitting부 제외 길이입니다.  
Air-fitting part is not included in the length above



<Bottom View>



<Side View>



<Bracket rotation>

ASG-PG Series의 길이는 250mm, 300mm 두 사이즈 제품입니다.  
Bar Length : Sizes available 250mm, 300mm

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