Ionizer (Basic Fan Type) **ZJ-FA20**

High-speed, High cost performance Ionization

- High-speed ionization in only 0.8 seconds.
- Built-in sensor controls the ion balance at all times.
- Fully open structure makes it possible to perform maintenance simply and safely.
- Can easily be attached to aluminum profiles.

CE



For the most recent information on models that have been certified for safety standards, refer to your OMRON website.



Ordering Information

Ionizer

Model ZJ-FA20

Accessories (sold separafely)

	Model
Replacement Filter	ZJ9-FL120N1 (set of 10)
Replacement Discharger Electrode	ZJ9-NDT06FN1 (set of 6)

Ratings and Specifications

Ionizer

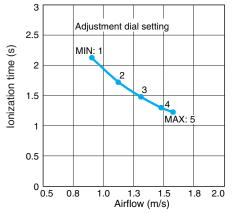
Item Model	ZJ-FA20
Power supply voltage	24 VDC
Current consumption	900 mA max. (input from included AC adapter)
Discharge voltage	±7 kV
Discharge method	Variable DC
Airflow (m ³ /min.)	1.4 to 2.3 m ³ /min (typical)
Ionization time *2	1.2 s (0.8 s with no Filter)
Ion balance *2	±10 V max.
Amount of generated ozone	0.01 ppm max. (measured at a distance of 50 mm from air outlet)
Indicators	High-voltage output lamp: ION (yellow), Cleaning lamp: CLEANING (orange), Power lamp: POWER (green)
Main functions	Automatic ion balance adjustment, airflow adjustment, manual ion balance adjustment
Ambient temperature range	Operating and storage: 0 to 50°C (with no icing or condensation)
Ambient humidity range	Operating: 35% to 65%, storage: 35% to 85% (with no condensation)
Weight (packed state)	Approx. 2.0 kg
Materials	Unit: ABS, Discharger: Tungsten, stand: SPCC
Accessories	Instruction sheet, AC adapter *1, warning labels (2 types), FG connection cable (2 m)

1. Before using, confirm that AC adapter and AC cord which attaches fit in with the standard of the country. Typical default settings. *2. Measurement location and conditions: Center of air outlet at a distance of 300 mm, with maximum fan speed

Ionization time: The time required to lower the charge from $\pm 1,000$ V to ± 100 V Ion balance measurement time: 10 s Plate monitor: 150×150 mm, 20 pF

Engineering Data (Reference Value)

Airflow vs. Ionization Time



Measurement Conditions Installation distance: 300 mm Ionization time: $\pm1,000$ V to ±100 V Plate monitor: 150 \times 150 mm, 20 pF

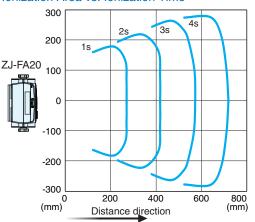
Safety Precautions

<u> WARNING</u>

This product is not designed or rated for ensuring safety of persons either directly or indirectly. Do not use it for such purposes.



Ionization Area vs. Ionization Time



Measurement Conditions Airflow: Max. Ionization time: $\pm1,000$ V to ±100 V Plate monitor: 150 \times 150 mm, 20 pF

Precaution for Correct Use

Do not use the product in atmospheres or environments that exceed product ratings.

This document provides information mainly for selecting suitable models. Information such as the usage precautions is not contained herein. Be sure to read the instruction manual before using the product.

For technical information and product FAQs, refer to the *Technical Guide* on your OMRON website.

ZJ-FA20

Dimensions

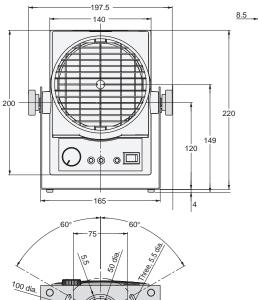
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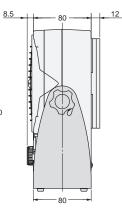
(Unit: mm) Tolerance class IT16 applies to dimensions in this data sheet unless otherwise specified.

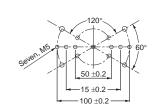
Mounting Hole Dimensions



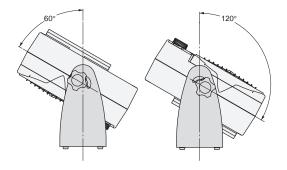
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Rotation Range



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