



限りある資源と美しい自然を大切に

SERIES AG-1100/AG-1200

GEER'S AGING OVEN

Outline

Rubber and plastic products will be deteriorated gradually by oxidation or influence of heat and sunlight in a long time of use depending on the environment. Moreover, it may not only result in degradation of the necessary performance which was secured in the beginning but also result in a big accident in some cases.

The Geer's Aging Oven is a most popular oven to make the sample in the environment where new heated air is always supplied in a constant rate, thus promoting aging.

The series conform to JIS K 6257 (Rubber, vulcanized or thermoplastic - Determination of heat ageing properties) and/or JIS K 7212 (Plastics - Determination of thermal stability of thermoplastics - Oven method). Each of the four models provides different air exchange rate and chamber size. AG-1100 (analog setting) series and AG-1200 (digital setting) series are different in setting method of air exchange rate.



MODEL AG-1110



株式会社 上島製作所

UESHIMA SEISAKUSHO CO., LTD

Feature

- Most important functions like temperature uniformity, wind velocity and air ventilation rate are in accordance with JIS K 6257 or JIS K 7212.
- The minimized shape of the series allows use on a table. We also provide with an exclusive stand.
- It is able to place two units in tiers, minimizing the footprint.

Specification

MODEL	For Rubber & Plastics		For Plastics		
	Standard	Large Type	Standard	Large Type	
(*1)	Analog Setting	AG-1110	AG-1115	AG-1120	AG-1125
	Digital Setting	AG-1210	AG-1215	—	—
Applicable Standard	JIS K 6257, ISO 188, JIS K 7212 B Type (*2)		JIS K 7212 A Type, ISO 4577		
Chamber Dimensions (mm)	W450 x D450 x H500	W600 x D600 x H600	W450 x D450 x H500	W600xD600xH600	
Chamber Material	Stainless Steel (SUS 304)				
Temperature Range	40 to 300°C				
Temperature Control	Temperature controller with digital display, PID with auto tuning				
Temperature Sensor	Resistance thermometer bulb (Pt100Ω, 3.2-mm dia. x 350mm)				
Temperature Sensor	Platinum resistance temperature detector				
	Pt 100Ω, φ 3.2x250(L)	Pt 100Ω, φ 3.2x300(L)	Pt 100Ω, φ 3.2x250(L)	Pt100Ω, φ 3.2x300(L)	
Heater	1-ph 200V, 3kW	3-ph 200V, 6kW	1-ph 200V, 3kW	3-ph 200V, 6kW	
Circulation Fan Motor	200VAC, 0.2kW				
Temperature Uniformity	Within ±1°C (40 to 100°C), ±1% (at 100 °C or higher)				
Average Wind Speed	0.5±0.1m/sec (*3)		1.0±0.2m/sec (*4)		
Ventilation Rate	3 to 10 times/hour (variable) (*3)		5 to 60 times/hour (variable) (*4)		
Sample Hanger Rotation	5rpm (at 50Hz power supply frequency) / 6rpm (at 60Hz power supply frequency)				
Safety Device	(a) Leakage breaker: protection of short circuit, overcurrent (b) Overheat protector: default set to 325°C, causes power shut down (c) Overload protection of circulation fan motor				
Accessories	Single shaft two stage sample hanging frame, sample clip, 5-m long power supply cable without terminal processing				
Power Supply Required	1-ph 200VAC, 20A 50Hz or 60Hz	3-ph 200VAC, 30A 50Hz or 60Hz	1-ph 200VAC, 20A 50Hz or 60Hz	3-ph 200VAC, 30A 50Hz or 60Hz	
Outer Dimensions (mm)	W1050x D720xH860	W1250xD910xH990	W1050xD720xH860	W1250xD910x H990	
Option	shelf board, exclusive stand(H:835mm(Standard),825mm(Large Type)), anchor fixture				

*1) Setting Method of Ventilation Rate

Analog Setting : Setting by a lever

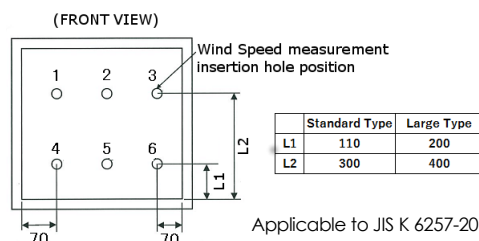
Digital Setting : Digital settings on front panel

*2) Specify the applicable standard when ordering.

*3) By JIS K 6257

*4) By JIS K 7212 "Wind Speed and Ventilation Rate", A type.

Wind Speed Measurement position of standard products



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Ueshima

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※Please be noted that the contents in this brochure may change without prior notice due to improvement of the equipment.

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