

SPECIFICATIONS



Penguin AQ series / APC-30 Model CO2 Incubator

Model	APC-30DR	APC-30D
External dimensions (mm)	410W x 400D x 500H	
Chamber dimensions (mm)	320W x 300D x 330H	
Chamber capacity	32L	
Shelf dimensions (mm)	280W x 266D	
Shelve per incubator	Standard: 3 / Max: 7	
Heating system	Water Jacket	
Temperature range	Ambient +5C, up to 50C	
Temperature accuracy	±0.1C	
CO2 sensor	IR sensor	T/C sensor
CO2 range	0-19.9%	
CO2 accuracy	±0.1%	
Power	AC110V, 115V, 220-220V 50/60Hz, 3A	
Weight	28kg	

Penguin AQ series / APM-30 Model Tri-Gas Incubator

Model	APM-30DR	APM-30D
External dimensions (mm)	410W x 400D x 500H	
Chamber dimensions (mm)	320W x 300D x 330H	
Chamber capacity	32L	
Shelf dimensions (mm)	280W x 266D	
Shelve per incubator	Standard: 3 / Max: 7	
Heating system	Water Jacket	
Temperature range	Ambient +5C, up to 50C	
Temperature accuracy	±0.1C	
CO2 sensor	IR sensor	T/C sensor
CO2 range	0-19.9%	
CO2 accuracy	±0.1%	
O2 range	1-89% @ RH95% (CO2 : 5.0%)	
O2 accuracy	±0.5%	
Power	AC110V, 115V, 220-220V 50/60Hz, 3A	
Weight	28kg	



The Penguin AQ
World's Smallest Water Jacketed Incubator

Penguin AQ series / APC-50 Model CO2 Incubator

Model	APC-50DR	APC-50D
External dimensions (mm)	450W x 472D x 605H	
Chamber dimensions (mm)	360W x 370D x 430H	
Chamber capacity	57L	
Shelf dimensions (mm)	338W x 332D	
Shelve per incubator	Standard: 3 / Max: 10	
Heating system	Water Jacket	
Temperature range	Ambient +5C, up to 50C	
Temperature accuracy	±0.1C	
CO2 sensor	IR sensor	T/C sensor
CO2 range	0-19.9%	
CO2 accuracy	±0.1%	
Power	AC110V, 115V, 220-220V 50/60Hz, 3A	
Weight	46kg	

Penguin AQ series / APM-50 Model Tri-Gas Incubator

Model	APM-50DR	APM-50D
External dimensions (mm)	450W x 472D x 605H	
Chamber dimensions (mm)	360W x 370D x 430H	
Chamber capacity	57L	
Shelf dimensions (mm)	338W x 332D	
Shelve per incubator	Standard: 3 / Max: 10	
Heating system	Water Jacket	
Temperature range	Ambient +5C, up to 50C	
Temperature accuracy	±0.1C	
CO2 sensor	IR sensor	T/C sensor
CO2 range	0-19.9%	
CO2 accuracy	±0.1%	
O2 range	1-89% @ RH95% (CO2 : 5.0%)	
O2 accuracy	±0.5%	
Power	AC110V, 115V, 220-220V 50/60Hz, 3A	
Weight	46kg	



ASTEC CO LTD (HQ), Fukuoka, Japan
Astec-japan@astec-bio.com
 ASTEC Korea, Seoul, South Korea
info@asteckorea.com
 Shanghai ASTEC Biotech, Shanghai, China
info@china-astec-bio.com
 ASTEC BIO USA, Hingham, MA, USA
astecbioua@gmail.com



Meet your new lab Mate

Choose from 30 liter or 50 liter capacities with either a TC or IR CO2 Sensor. A galvanic battery O2 sensor for low-oxygen culture is also available.

Penguin AQ can be ideally configured to be the best solution for your cell culture needs.

Long-trusted performance in cell culture



Penguin AQ provides the most accurate and stable cell-culturing environment for temperature, gas levels and humidity. Tightly sealed by the water-jacketed chamber, Penguin AQ achieves more than 98% humidity without condensation, which minimizes culture media evaporation and keeps the osmolarity at the same optional level for entire culture.

Compact and Recovers Quick!

Optional sub-divided inner doors provide a rapid gas and temperature recovery while consuming the least amount of gas in its class. The stainless frame of the glass inner door further improves temperature recovery when compared to the standard glass door due to better heat conductivity.



Inner Glass Doors (GAW-30AQS and GAW-50AQS) for extra security and limited access windows for preserving the gas levels and temperature inside.



Inner Acrylic Doors (AP-100-2)



Standard equipped with Access port



Air Filter IF-30 or IF-50
Air Filter (Half thickness) IF-30T or IF-50T



Gas Regulator IM-055



Space saving cart is available for both 30L and 50L AP30STD / AP50STD