



ANKERSMID Ambient cooler AAC 15x/16x/ Series

Application

Ambient coolers are designed to be used e.g. pre-cooler or for use in applications where the sample outlet dew point is not necessary to be stable at a specific temperature (f. e. all electrical Ankersmid coolers are set to +4°C).

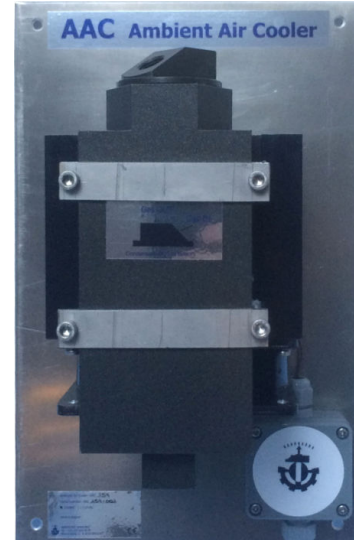
Description

By lowering the temperature of a sample gas, condensate liquid will be formed while passing through the heat exchanger. Condense drops will be formed and descended to the bottom of the vessel. This condensate liquid can be removed by an optional incorporated peristaltic pump.

The unit can furthermore be ventilated by a permanent operating electronic fan.

The ambient cooler is installed on an Aluminum mounting plate to be used as wall-mounting version.

Available for 230VAC and 115VAC power supply.



* Example picture AAC 154

- **Special demountable heat-exchanger with unique design**
- **Gas wetted parts made of PFA®**



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Technical data

Model AAC	
Number of heat exchanger	1
Mounting plate	Aluminum, Wall-mount
Dimensions (w x h)	AAC 160/260: 450 x 350mm AAC 150/154/250/254: 225 x 350mm
Data per heat exchanger	
Material of gas wetted parts	PFA [®]
Sealing	Viton [®]
Sample gas inlet	1/4" f NPT
Sample gas outlet	1/4" f NPT
Condensate outlet	3/8" NPT
Maximum pressure	10 bar a
AAC 150/154/160	
Gas flow rate	200NI/h
Dead volume	35cm ³
Pressure drop	2mbar at 200NI/h
AAC 250/254/260	
Gas flow rate	350NI/h
Dead volume	100cm ³
Pressure drop	5mbar at 350NI/h
Operation data	
Ambient temperature	+5°C to +45°C
Option	
Fan included	AAC 154/254
Fan + peristaltic pump included	AAC 160/260
Electrical data	
Mains connection	Electrical terminals 2,5mm ² / Cable gland 1 x PG11
Protection class	IP20 EN 60529 / EN 61010
Power supply	115-230V, 50/60Hz

PTFE = Polytetrafluoroethylene (Teflon[®])
 PVDF = Polyvinylidenfluoride
 PFA = Perfluoralkoxy-Polymere