

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 stable at a specific temperature (e.g. all electrical Ankersmid coolers are set to +4°C).

Description

By lowering the temperature of the sample gasses, condensate liquid will be formed on the sides of the exchanger. Condensate drops will be formed and descended to the bottom of the vessel. This condensate liquid will be removed by an incorporated peristaltic pump in a housing is included to each ACC cooler as standard.

The unit is ventilated by a permanent operating electronic fan.

The cooling block with underneath mounted fan and heat exchanger is installed on an aluminum mounting plate to be used as wall-mounting version.

The standard exchanger, made of Duran® glass with a PTFE screwed head, is cooled by a complete system including cooling block and ventilator.

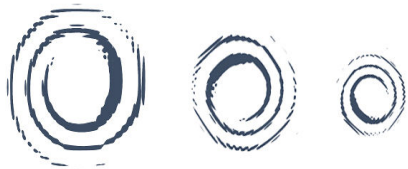
3 possible exchanger materials: Glass body with PTFE head; PVDF body with PTFE head or completely out of stainless steel.

Available for 230VAC and 115VAC power supply.



*Picture may vary

- **Special demountable heat-exchanger with unique design**
- **Heat exchangers made of different materials like PTFE, PVDF or stainless steel**
- **Power supply 115 – 230VAC**



Technical data AAC – Ankersmid Ambient Cooler series 15x/16x

| Model AAC | | | |
|---------------------------------|--|--------------------|--------------------|
| Number of heat exchanger | 1 | | |
| Mounting plate | Aluminum, Wall-mount | | |
| Dimensions (H x L x D) | 450 x 350mm | | |
| Data per heat exchanger | AAC 150/154/160 | AAC 151/155/161 | AAC 152/156/162 |
| Gas flow rate | 200NI/h | 200NI/h | 200NI/h |
| Material of heat exchanger body | Duran [®] Glass | PVDF | SS316 |
| Material of heat exchanger head | PTFE | PTFE | SS316 |
| Sealing | Viton [®] | Viton [®] | Viton [®] |
| Sample gas inlet | 1x G1/4" | 1x G1/4" | 1x G1/4" |
| Sample gas outlet | 1x G1/4" | 1x G1/4" | 2x G1/4" |
| Condensate outlet | 1x GL25 | 1x 3/8" | 1x G3/8" |
| Maximum pressure | 3 bar a | 3 bar a | 10 bar a |
| Pressure drop | 2mbar at 200NI/h | 2mbar at 200NI/h | 2mbar at 200NI/h |
| Dead volume | 35cm ³ | 35cm ³ | 35cm ³ |
| Data per heat exchanger | AAC 250/254/260 | AAC 251/255/261 | AAC 252/256/262 |
| Pressure drop | 5mbar at 350NI/h | 5mbar at 350NI/h | 5mbar at 350NI/h |
| Dead volume | 100cm ³ | 100cm ³ | 100cm ³ |
| Operation data | | | |
| Ambient temperature | +5°C to 45°C | | |
| 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