

V-shape

Industrial range



ACD

ACD CONDENSER
ACD GAS COOLER

GCD

GCD HEAT EXCHANGER



Description:

The V-shape design (vertical air flow) was designed for use industrial cooling and air-conditioning, industrial refrigeration and power plant cooling - particularly for small footprints. In addition to the use of renowned quality fans and the selection of best possible materials, the top-quality, sturdy design is a unique feature. The heat exchanger technology provides the user with a high level of safety and reliability as well as a long service life for the product.

In practical application, this product range maximises and combines important ergonomic and economic aspects. Compared to conventional products from competitors, it provides buyers with clear benefits with regard to purchase price and operating costs.

Details:

Pipe spacing offset 5527 and 4035

Design:

- housing made of FeZn
- powder-coated in RAL 9010, cut edges painted
- tube bend cover (protection against contact)
- optimised, top-mounted fan housing for improved fan efficiency
- STES (Safety Tube Expanding System) floating tube system (tube has no contact with plates), therefore no possibility of leaks during transport and operation
- maintenance-free axial fans with diameter 800-1000 mm - ErP 2015 compliant (for Europe)
- normal to extremely quiet sound pressure levels
- single-row and double-row fan positioning
- fan intake chamber separated in pairs
- smooth fin surface (less contamination, best possible cleaning)
- ribbed inside/smooth tubes
- flanged or threaded connectors
- all fixing materials made of stainless steel or corrosion-resistant materials
- sturdy design through R-profile longitudinal stabilisers and internal reinforcing units, virtually no torsion and no bending (high operational safety and therefore long service life)
- container-optimised ranges
- crane lugs can be removed and repositioned
- manufactured according to PED and ISO guidelines

Accessories:

- + fall protection
- + housing materials V2A and AlMg3
- + subdivision of circulation
- + Schwingmetall feet
- + **adiabatics** (see page 24/25)
- + custom colour
- + streamer or ANAC (range increase)
- + EC fans
- + integrated collector system (tube connection)
- + extensive options for wiring and control (see page 28/29)
- + lateral inspection openings
- + folding nozzles
- + ZA PLUS (fan design optimised for noise and air volume)
- + split fins in special environments
- + special fin spacings 1.8 - 4.2 mm
- + different fin materials and thicknesses
- + separate intake chamber for each fan
- + transport pressure with dried air can be tested via Schrader valve



Application:

CABERO cooling / CABERO air-conditioning

Design	Condenser					Heat exchanger	
	ACD	ACDSS CO ₂	ACD CO ₂	ACDSA	ACDSS	GCD	GCDSS
Medium	HFC/propane	CO ₂	CO ₂	NH ₃	HFC	brine, oil, glycol, etc.	
Tube material	Cu	Cu	Cu	SST	SST	Cu	SST
Fin	aluminium, epoxy, AlMg3, stainless steel (on request), Cu						
Fin spacing	2.0 - 2.5 mm						
Air direction	vertical						
Geometry	high-efficiency offset pipe spacing						
Length	2400 - 13600 mm						
Power range	150 kW - 1800 kW						
Gas cooler		✓	✓				
Heat pump	✓	✓	✓	✓	✓	✓	✓
Adiabatics	✓	✓	✓	✓	✓	✓	✓