

V-shape

Commercial range



ACW

ACW CONDENSER

ACW GAS COOLER

GCW

GCW HEAT EXCHANGER



Description:

The small, V-shape design (vertical air flow) was designed for use commercial cooling and air-conditioning, process cooling, power plant systems, etc., 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.

This product range maximises and combines the ergonomic and economic aspects which are so important in practical application, providing buyers with a high level of competitiveness compared to conventional products with regard to purchase price and operating costs.

Details:

Pipe spacing offset 5527 and 4035

Design:

- housing made of FeZn
- powder-coated 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	
	ACW	ACWSSCO ₂	ACWCO ₂	ACWSA	ACWSS	GCW	GCWSS
Medium	HFC/propane	CO ₂	CO ₂	NH ₃	HFC	brine, oil, glycol, etc.	
Tube material	Cu	SST	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	40 kW - 1100 kW						
Gas cooler		✓	✓				
Heat pump	✓	✓	✓	✓	✓	✓	✓