



CYLINDRICAL • MODULAR • EFFICIENT

Circlemod.

A look into the future.



An innovative approach

The new Circlemod series brings an innovative approach to the cooling systems world because it combines

energy efficiency, installation flexibility and attention to detail, even from an aesthetic point of view.

The **modular** design allows to configure **up to 8 units** with a single group control. Each module has a high cooling capacity (up to 150 kW) compared to the ground footprint. This means that in a **limited space** you can have remarkable performances.

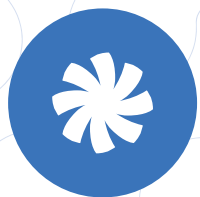


Cylindrical condensers

Circlemod features the microchannel cylindrical condensers that Geoclima's Research and Development division has developed for the **Circlemiser** series.

This type of condensers is characterized by a **heat exchange surface increased by 45%** compared to traditional condensers.

Thanks to this increase in heat exchange capacity, the Circlemod cylindrical condensers are able to **reduce condensing temperature** as well as approach temperature.



High efficiency
EC fans



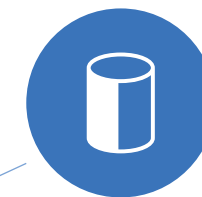
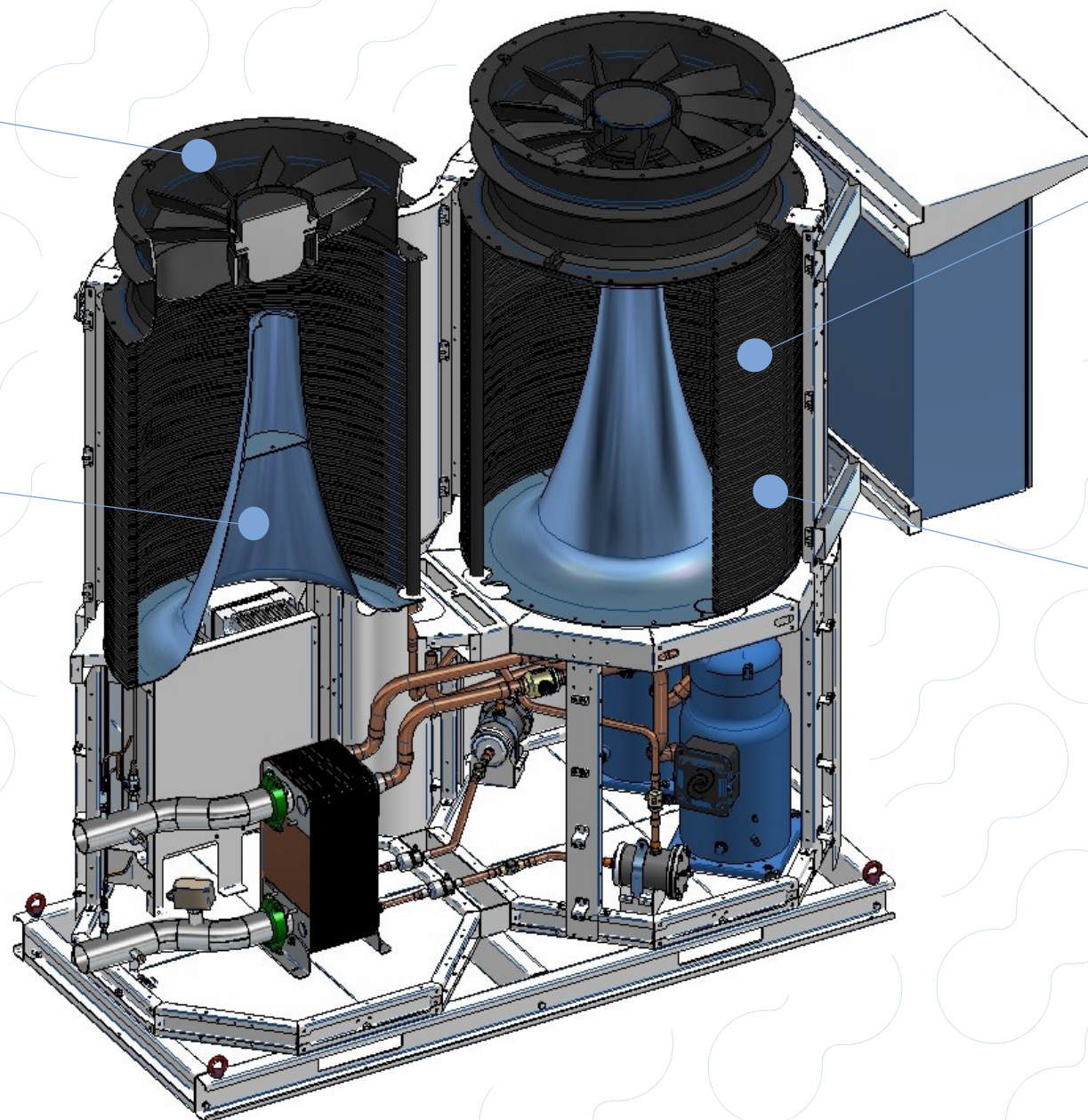
Conic air intake flow optimizer
(condenser efficiency
increased by 10%).

R410A

R290

**HFO
1234ze**

Also available with **R515B**,
R513A and **R134A** upon
request.



Cylindrical
condensers



Modular design:
up to 8 units with a single
group control.

R410A

		VHA 1088A EC-01 CM	VHA 1088B EC-01 CM	VHA 1117A EC-01 CM	VHA 1117B EC-01 CM
PERFORMANCE					
Total cooling capacity	kW	44.9	45.7	58.1	59.6
E.E.R.	W/W	3.18	3.11	3.15	3.16
Partialization control	-	Inverter	Inverter	Inverter	Inverter
WORKING CONDITIONS					
Inlet water temperature	°C	12	12	12	12
Outlet water temperature	°C	7	7	7	7
Ambient temp. (relative humidity)	°C	35 (40.5)	35 (40.5)	35 (40.5)	35 (40.5)
Refrigerant	-	R410A	R410A	R410A	R410A
Refrigerant circuits	n°	1	1	1	1
MAIN COMPONENTS					
Compressor	Type	Scroll	Scroll	Scroll	Scroll
Number of compressors	n°	1	1	1	1
Fans	Type	EC	EC	EC	EC
Fans diameter	mm	800	910	800	910
Number of fans	n°	1	1	1	1
Evaporator	Type	BPHE	BPHE	BPHE	BPHE
Number of evaporators	n°	1	1	1	1
Evaporator expansion	Type	Electronic	Electronic	Electronic	Electronic
DIMENSIONS					
Length	mm	1600	1600	1600	1600
Width	mm	1200	1200	1200	1200
Height	mm	2400	2400	2400	2400
Shipping/operating weight	kg	610/620	730/740	620/630	680/690

VHA 1170A EC-01 CM	VHA 1170B EC-01 CM	VHA 2088A EC-01 CM	VHA 2088B EC-01 CM	VHA 2117A EC-01 CM	VHA 2117B EC-01 CM	VHA 2170A EC-01 CM	VHA 2170B EC-01 CM
80.9	83.5	91.4	93.1	117.4	125.3	164.7	170.5
2.83	2.97	3.22	3.15	3.18	3.29	2.86	3.01
Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
12	12	12	12	12	12	12	12
7	7	7	7	7	7	7	7
35 (40.5)	35 (40.5)	35 (40.5)	35 (40.5)	35 (40.5)	35 (40.5)	35 (40.5)	35 (40.5)
R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
1	1	2	2	2	2	2	2
Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
1	1	2	2	2	2	2	2
EC	EC	EC	EC	EC	EC	EC	EC
800	910	800	910	800	910	800	910
1	1	2	2	2	2	2	2
BPHE	BPHE	BPHE	BPHE	BPHE	BPHE	BPHE	BPHE
1	1	1	1	1	1	1	1
Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
1600	1600	2890	2890	2890	2890	2890	2890
1200	1200	1200	1200	1200	1200	1200	1200
2400	2400	2400	2400	2400	2400	2400	2500
740/750	790/800	1060/1081	1260/1293	1080/1100	1160/1193	1270/1295	1370/1400

R290

		VHA FIV30A EC-290 CM	VHA FIV30B EC-290 CM	VHA FIV35A EC-290 CM	VHA FIV35B EC-290 CM
PERFORMANCE					
Total cooling capacity	kW	63.3	65.1	72.5	74.4
E.E.R.	W/W	3.32	3.36	3.07	3.26
Partialization control	Type	Inverter	Inverter	Inverter	Inverter
WORKING CONDITIONS					
Inlet water temperature	°C	12	12	12	12
Outlet water temperature	°C	7	7	7	7
Ambient temp. (relative humidity)	°C	35 (40.5)	35 (40.5)	35 (40.5)	35 (40.5)
Refrigerant	Type	R290	R290	R290	R290
Refrigerant circuits	nº	1	1	1	1
MAIN COMPONENTS					
Compressor	Type	Reciprocating	Reciprocating	Reciprocating	Reciprocating
Number of compressors	nº	1	1	1	1
Fans	Type	EC	EC	EC	EC
Fans diameter	mm	800	910	800	910
Number of fans	nº	1	1	1	1
Evaporator	Type	BPHE	BPHE	BPHE	BPHE
Number of evaporators	nº	1	1	1	1
Evaporator expansion	Type	Electronic	Electronic	Electronic	Electronic
DIMENSIONS					
Length	mm	1600	1600	1600	1600
Width	mm	1200	1200	1200	1200
Height	mm	2400	2400	2400	2400
Shipping/operating weight	kg	730/735	760/765	770/785	800/815

VHA F2V20A EC-290 CM	VHA F2V20B EC-290 CM	VHA F2V30A EC-290 CM	VHA F2V30B EC-290 CM	VHA F2V35A EC-290 CM	VHA F2V35B EC-290 CM
93.3	94.8	125.9	129.3	143.7	147.7
3.49	3.48	3.38	3.41	3.20	3.22
Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
12	12	12	12	12	12
7	7	7	7	7	7
35 (40.5)	35 (40.5)	35 (40.5)	35 (40.5)	35 (40.5)	35 (40.5)
R290	R290	R290	R290	R290	R290
2	2	2	2	2	2
Reciprocating	Reciprocating	Reciprocating	Reciprocating	Reciprocating	Reciprocating
2	2	2	2	2	2
EC	EC	EC	EC	EC	EC
800	910	800	910	800	0
1	1	1	1	1	1
BPHE	BPHE	BPHE	BPHE	BPHE	BPHE
1	1	1	1	1	1
Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
2890	2890	2890	2890	2890	2890
1200	1200	1200	1200	1200	1200
2400	2400	2400	2400	2400	2400
1110/1120	1170/1180	1170/1180	1230/1240	1210/1220	1270/1280



		VHA F1S15A EC-ZE CM	VHA F1S15A LN* EC-ZE CM	VHA F1V25A EC-ZE CM	VHA F1V25A LN* EC-ZE CM
PERFORMANCE					
Total cooling capacity	kW	24.8	24.8	45.8	40.2
E.E.R.	W/W	2.98	3.18	3.45	2.98
Partialization control	Type	Inverter	Inverter	Inverter	Inverter
WORKING CONDITIONS					
Inlet water temperature	°C	12	12	12	12
Outlet water temperature	°C	7	7	7	7
Ambient temp. (relative humidity)	°C	35 (40.5)	35 (40.5)	35 (40.5)	35 (40.5)
Refrigerant	Type	HFO-R1234ze	HFO-R1234ze	HFO-R1234ze	HFO-R1234ze
Refrigerant circuits	n°	1	1	1	1
MAIN COMPONENTS					
Compressor	Type	Reciprocating	Reciprocating	Reciprocating	Reciprocating
Number of compressors	n°	1	1	1	1
Fans	Type	EC	EC	EC	EC
Fans diameter	mm	800	800	800	800
Number of fans	n°	1	1	1	1
Evaporator	Type	BPHE	BPHE	BPHE	BPHE
Number of evaporators	n°	1	1	1	1
Evaporator expansion	Type	Electronic	Electronic	Electronic	Electronic
DIMENSIONS					
Length	mm	1600	1600	1600	1600
Width	mm	1200	1200	1200	1200
Height	mm	2400	2400	2400	2400
Shipping/operating weight	kg	690/705	690/705	790/810	790/810

VHA F1V25B LN* EC-ZE CM	VHA F2V15A EC-ZE CM	VHA F2V25A EC-ZE CM	VHA F2V25B EC-ZE CM	VHA F2Z30A EC-ZE CM	VHA F2Z30B EC-ZE CM
41.8	63.1	79.9	81.4	100.7	103.6
3.02	3.17	2.87	2.82	3.00	2.98
Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
12	12	12	12	12	12
7	7	7	7	7	7
35 (40.5)	35 (40.5)	35 (40.5)	35 (40.5)	35 (40.5)	35 (40.5)
HFO-R1234ze	HFO-R1234ze	HFO-R1234ze	HFO-R1234ze	HFO-R1234ze	HFO-R1234ze
1	2	2	2	2	2
Reciprocating	Reciprocating	Reciprocating	Reciprocating	Reciprocating	Reciprocating
1	2	2	2	2	2
EC	EC	EC	EC	EC	EC
910	800	800	910	800	910
1	1	1	1	1	1
BPHE	BPHE	BPHE	BPHE	BPHE	BPHE
1	1	1	1	1	1
Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
1600	2890	2890	2890	2890	2890
1200	1200	1200	1200	1200	1200
2400	2400	2400	2400	2400	2400
790/810	1170/1180	1170/1180	1230/1240	1250/1260	1310/1320

*LN: Low Noise

Applications

Our Circlemod range offers an ideal solution for those in need of a compact and efficient chiller. Designed for applications requiring up to 150 kW, Circlemod is versatile for both comfort and process cooling.

With its modular design and a heat exchange surface increased by 45% compared to conventional condensers, Circlemod stands out as the most efficient option for applications with limited space, demanding lower cooling capacities.



WINERIES



COMMERCIAL AND RESIDENTIAL PREMISES



SMALL MANUFACTURING INDUSTRIES AND DATA CENTRES

Projects

De Pra Winery

Monitoring the temperature in autoclaves is of fundamental importance to ensure the high quality of the final product. For the cooling process of the autoclaves, we have installed a 150 kW Circlemod with semi-hermetic inverter compressors, exclusive circular condensers and R290 natural refrigerant (GWP = 3).



Sutto Family

For the refrigeration in the bottling process of over 3000 hL of wine, we provided a 100 kW Circlemod, with semi-hermetic inverter compressors, exclusive circular condensers and R290 natural refrigerant (GWP = 3).



For contacts and information, please visit

www.geoclima.com

