

Thermocooling TRHW

Learning temperature technics with Frigosystem

Continuous advancement of our products and their permanent quality assurance systems during the whole production run gives guarantee to our customers that we can supply the correct temperature control system for their progressive production needs.

Top products of customers ask for top technology and highest quality, as FRIGOSYSTEM can offer to customers. Frigosystem supply top of the range quality equipment which matches our customer requirements.



APPLICATION

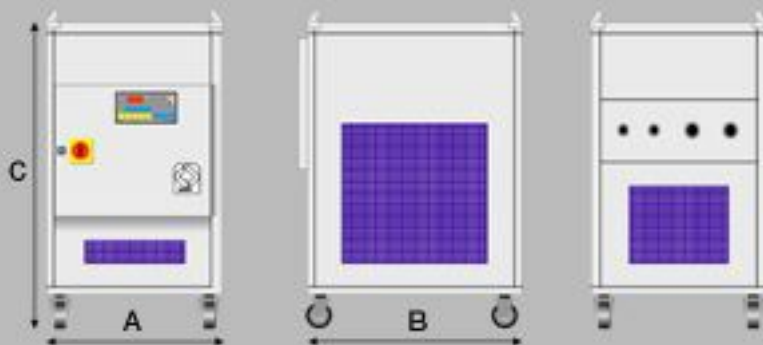
FRIGOSYSTEM heating and cooling combined units work in temperatures from -10°C till $+90^{\circ}\text{C}$, infinitely variable. The capacities are from 4,5 KW till 75 KW (all bigger capacities on demands).

32-years experience in machinery production for chemical, pharmaceutical, food, research and development, welding, laser, plastic industry etc. guarantee to our customer an excellent knowledge.

For chemical reactors industry, exist a production that has a special temperature range as: from -40°C up to $+300^{\circ}\text{C}$

Thermocooling TRHW/W 21

Thermometer reading temperature casting with special thermocouple until 400°C (optional)



technical details

Thermic power	kW	4.6
Thermic power at following conditions		
Outlet water	C°	+10
Water condensation	C°	+30
Range temperature	C°	-5 ÷+50
Compressor		
Freon		R407C
Nominal power	kW	1.5
Cooling pump technical details		
Capacity	lt/1'	13.5
Head	Bar	3
Installed power	kW	0.33
Consumer pump technical details		
Capacity	lt/1'	13.5
Head (with 3 bar suction)	Bar	max 7
Installed power	kW	0.45
Consumer heating	kW	3
Mould connections	∅	1" gas
Tower connections	∅	1" gas
Dimensions	mm 600 x 800 x 1110 h	
Weight	Kg	140
Nominal total power	kW	5.3

Thermocooling TRHW/W 31

technical details

Thermic power	kW	9.3
Thermic power at following conditions		
Outlet water	C°	+10
Water condensation	C°	+30
Range temperature	C°	-5 ÷+50
Compressor		
Freon		R407C
Nominal power	kW	2.5
Cooling pump technical details		
Capacity	lt/1'	27
Head	Bar	2
Installed power	kW	0.37
Consumer pump technical details		
Capacity	lt/1'	27
Head (with 3 bar suction)	Bar	max 7
Installed power	kW	0.75
Consumer heating	kW	6
Mould connections	∅	1" gas
Tower connections	∅	1" gas
Dimensions	mm 600 x 800 x 1110 h	
Weight	Kg	150
Nominal total power	kW	9.7

Thermocooling TRHW/W 51

technical details

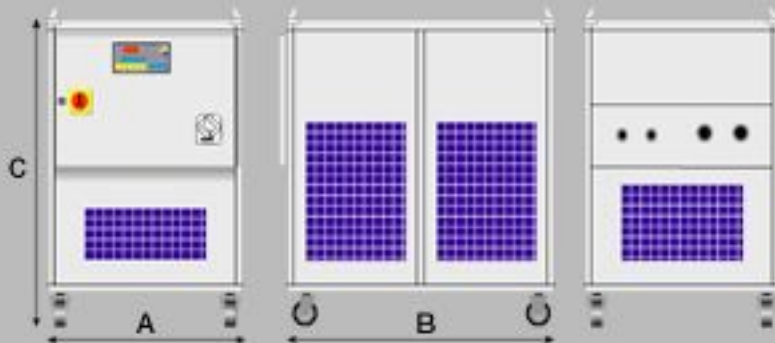
Thermic power	kW	15
Thermic power at following conditions		
Outlet water	C°	+10
Water condensation	C°	+30
Range temperature	C°	-5 ÷ +50
Compressor		
Freon		
Nominal power	kW	3.9
Cooling pump technical details		
Capacity	lt/1'	43
Head	Bar	1.8
Installed power	kW	0.37
Consumer pump technical details		
Capacity	lt/1'	43
Head (with 3 bar suction)	Bar max	7
Installed power	kW	1.1
Consumer heating	kW	6
Mould connections	Ø	1" gas
Tower connections	Ø	1" gas
Dimensions	mm 600 x 800 x 1110 h	
Weight	Kg	170
Nominal total power	kW	11.4

Thermocooling TRHW



Thermocooling TRHW/W 81

Thermometer reading temperature casting with special thermocouple until 400°C (optional)



technical details

Thermic power	kW	21.5
Thermic power at following conditions		
Outlet water	C°	+10
Water condensation	C°	+30
Range temperature	C°	-5 ÷ +50
Compressor		
Freon		R407C
Nominal power	kW	5.75
Cooling pump technical details		
Capacity	lt/1'	62
Head	Bar	2
Installed power	kW	0.55
Consumer pump technical details		
Capacity	lt/1'	62
Head (with 3 bar suction)	Bar	max 7
Installed power	kW	1.5
Consumer heating	kW	9
Mould connections	Ø	1" gas
Tower connections	Ø	1" gas
Dimensions	mm	750 x 1015 x 1130 h
Weight	Kg	250
Nominal total power	kW	17

Thermocooling TRHW/W 101

technical details

Thermic power	kW	26.2
Thermic power at following conditions		
Outlet water	C°	+10
Water condensation	C°	+30
Range temperature	C°	-5 ÷+50
Compressor		
Freon		R407C
Nominal power	kW	6.4
Cooling pump technical details		
Capacity	lt/1'	75
Head	Bar	1.9
Installed power	kW	0.55
Consumer pump technical details		
Capacity	lt/1'	75
Head (with 3 bar suction)	Bar	max 7
Installed power	kW	2.2
Consumer heating	kW	9
Mould connections	∅	1_" gas
Tower connections	∅	1" gas
Dimensions	mm	750 x 1015 x 1130 h
Weight	Kg	300
Nominal total power	kW	18.2

Thermocooling TRHW/W 121

technical details

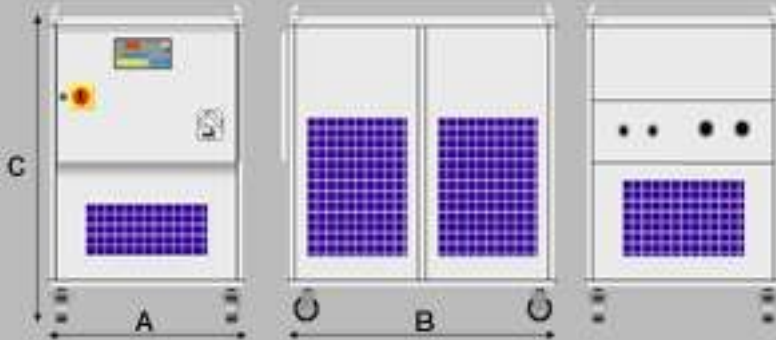
Thermic power	kW	34.2
Thermic power at following conditions		
Outlet water	C°	+10
Water condensation	C°	+30
Range temperature	C°	-5 ÷+50
Compressor		
Freon		R407C
Nominal power	kW	8.2
Cooling pump technical details		
Capacity	lt/1'	98
Head	Bar	1.8
Installed power	kW	0.55
Consumer pump technical details		
Capacity	lt/1'	98
Head (with 3 bar suction)	Bar	max 7
Installed power	kW	2.2
Consumer heating	kW	12
Mould connections	∅	1_" gas
Tower connections	∅	1" gas
Dimensions	mm	750 x 1015 x 1130 h
Weight	Kg	325
Nominal total power	kW	23

Thermocooling TRHW



Thermocooling TRHW/W 151

Thermometer reading temperature casting with special thermocouple until 400°C (optional)



technical details

Thermic power	kW	43
Thermic power at following conditions		
Outlet water	C°	+10
Water condensation	C°	+30
Range temperature	C°	-5 ÷ +50
Compressor		
Freon		R407C
Nominal power	kW	11
Cooling pump technical details		
Capacity	lt/1'	124
Head	Bar	1.5
Installed power	kW	0.55
Consumer pump technical details		
Capacity	lt/1'	124
Head (with 3 bar suction)	Bar max	7
Installed power	kW	2.2
Consumer heating	kW	12
Mould connections	∅	1" gas
Tower connections	∅	1" gas
Dimensions	mm	640 x 1300 x 1500 h
Weight	Kg	350
Nominal total power	kW	26