

FARRGON



THW high capacity

Refrigeration
Compressed
Air Dryer
High capacities

High capacities refrigeration dryer

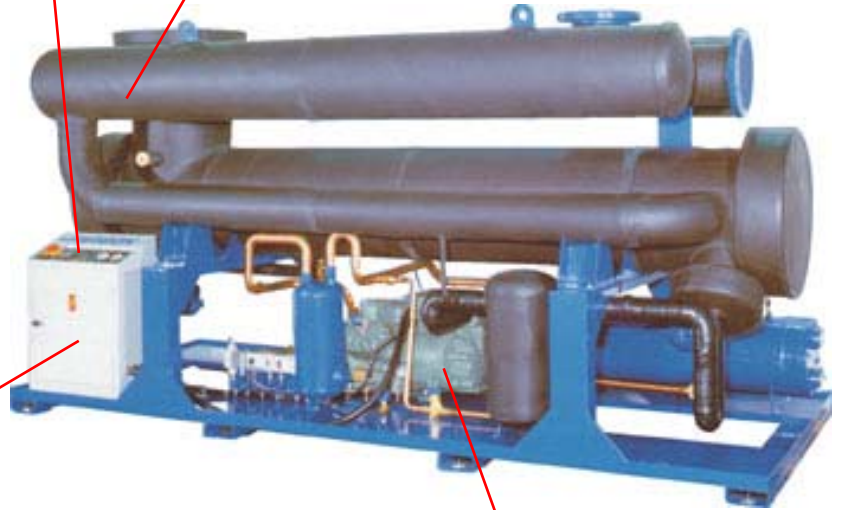
Models and key features

Instrumentation

- Control panel for monitoring and reading of 4 temperatures
- Signs Point to reading on integrated synoptic panel
- Signs of "failure" and "works" built into the synoptic
- Gauge for monitoring the suction pressure of compressor
- Gauge for monitoring pressure compressor discharge
- Push button "on / off" with traffic sign "energized"
- Automatic reduction of cooling capacity
- Safety of high and low pressure of the refrigeration system
- Security for low-pressure compressor lubrication

Pneumatic Circuit

- Double heat exchanger
- Multi-tubular cooler
- Condensate separator
- Stainless steel demister filter removable and washable
- Automatic drain



Actuation

- 3-pole switch disconnector
- Electrical chassis
- Motor protection
- Motor protection
- Contactor and terminal blocks
- Thermal Relay

Refrigeration System

- Condensador a água
- Hermetic or semi-hermetic compressor with automatic capacity regulator
- Thermostatic expansion valve
- Hot-gas injection valve
- H-CFC or HFC refrigerant

Model	Flow rate at 7 bar pressure temper. 38°C DP = +3°C		Air Inlet – Outlet connections	Water Inlett – Outlet connections	Dimensions / weight approximate (mm / kg)				Electrical consumption
	Scfm	Nm³/h	F-flange	R- thread	Width	Depth	Height	Weight	KW
THW 14000	5930	10081	8" F	2" R	2400	960	1776	2210	23,50
THW 17500	6330	10761	8" F	2" R	2920	1420	1675	2400	26,70
THW 20000	7550	12835	8" F	2" R	3270	1420	1675	2815	31,40
THW 21000	8230	13991	8" F	2" R	3470	1620	1780	2980	36,20
THW 23000	10400	17680	8" F	2" R	3980	1620	1780	3190	31,40

Obs:

- The capacities above are calculated for the following conditions: operating pressure 7 bar / inlet temperature of the compressed air 38°C / ambient temperature 38°C. For other operating conditions use the correction table below.
- The above specifications may change without notice.

FÓRMULA: Table flow rate = Q X F1 factor X F2 factor X F3 factor

Q	Compressed air flow to be treated (Nm³/h or scfm)								
F1	Operation pressure (bar)	4	5	6	7	8	9	10	
	Correction factor for operation pressure	1,16	1,09	1,04	1	0,98	0,96	0,95	
F2	Compressed air inlet temperature (°C)	35	38	45	50	55	60		
	Correction factor for inlet temperature	0,89	1	1,35	1,55	1,85	2,20		
F3	Ambient temperature in the dryer room (°C)	35	38	45					
	Correction factor for ambient temperature	0,97	1	1,15					
Table flow rate = Q x F1 x F2 x F3									
Selected dryer model									