

5.1.5 Microprocessor setting

Check that the desired thermal and humidity parameters are set in the microprocessor.

If the preset parameters need to be changed, proceed as described in the microprocessor manual (see attachment).



Standards units are designed to work with room temperature between 22 e 27 °C (50% humidity), working at lower temperature can cause frost covering the evaporator.

5.1.6. Steam production setting (unit with humidifier)

Steam production must not exceed 60-70% humidifier max. capacity, this will ensures a longer operating life of the equipment.

In order to set or modify operating parameters, see the humidifier manual (attached).

Table 10: Safety devices setup

Device	Intervention	Reset
High pressure switch	27.5 bar	20.6 bar
High pressure safety valve	30.0 bar	-
Low pressure switch	2.0 bar	3.5 bar

Table 11

Size of the main electric components(see also wiring diagram attached)

MODEL	AUXILIARY		COMPRESSORS		FANS	REMOTE CONDENSERS		OPTIONAL AA	OPTIONAL H		OPTIONAL RE	
	FUT 10x38	FUA 10x38	QFC1 (bent "D")	KMC1	KMV1	QFCR1	KMCR1	FUAA	FUU 10x38	KMU	FR 10x38	KMR
61	2A 2P	2A 1P	4A 3P	9A	9A	6A 2P	9A	500mA glass	10A	9A	10A	9A
81-91	4A 2P	2A 1P	6A 3P	9A	9A	6A 2P	9A	500mA glass	10A	9A	10A	9A
101	4A 2P	2A 1P	10A 3P	9A	9A	6A 2P	9A	500mA glass	10A	9A	10A	9A
121-141	4A 2P	2A 1P	10A 3P	9A	9A	6A 2P	9A	500mA glass	10A	9A	10A	9A
151-171	4A 2P	2A 1P	10A 3P	12A	9A	6A 2P	9A	500mA glass	10A	9A	10A	9A
201	4A 2P	2A 1P	16A 3P	12A	9A	6A 2P	9A	500mA glass	10A	9A	10A	9A
221-241	4A 2P	4A 1P	16A 3P	18A	9A	6A 2P	9A	500mA glass	10A	9A	10A	9A
251	4A 2P	4A 1P	20A 3P	18A	9A	6A 2P	9A	500mA glass	10A	9A	10A	9A
291	4A 2P	4A 1P	20A 3P	18A	9A	6A 2P	9A	500mA glass	10A	9A	10A	9A
301-341	4A 2P	4A 1P	25A 3P	25A	12A	6A 2P	9A	500mA glass	10A	9A	10A	9A
321-361	4A 2P	4A 1P	25A 3P	25A	9A	6A 2P	9A	500mA glass	10A	9A	10A	9A
451	4A 2P	4A 1P	32A 3P	32A	9A	6A 2P	9A	500mA glass	10A	9A	10A	9A
351	4A 2P	4A 1P	25A 3P	32A	18A	6A 2P	9A	500mA glass	20A	12A	16A	12A
431	4A 2P	4A 1P	32A 3P	32A	18A	6A 2P	9A	500mA glass	20A	12A	16A	12A
531	4A 2P	4A 1P	32A 3P	32A	18A	10A 3P	9A	500mA glass	20A	12A	16A	12A
471	4A 2P	4A 1P	32A 3P	32A	18A	10A 3P	9A	500mA glass	20A	12A	16A	12A
521	4A 2P	4A 1P	32A 3P	32A	18A	10A 3P	9A	500mA glass	20A	12A	16A	12A
601	4A 2P	4A 1P	40A 3P	32A	18A	10A 3P	9A	500mA glass	20A	12A	16A	12A
581	4A 2P	4A 1P	40A 3P	32A	25A	10A 3P	9A	500mA glass	20A	12A	20A	25A
651	4A 2P	4A 1P	40A 3P	40A	25A	10A 3P	9A	500mA glass	20A	12A	20A	25A
721-821	4A 2P	4A 1P	50A 3P	50A	18A	10A 3P	9A	500mA glass	20A	12A	20A	25A

MODEL	AUXILIARY		COMPRESSORS		FANS	REMOTE CONDENSERS		OPTIONAL AA	OPTIONAL H		OPTIONAL RE	
	FUT 10x38	FUA 10x38	QFC1-2 (bent "D")	KMC1-2	KMV	QFCR1-2	KMCR1-2	FUAA	FUU 10x38	KMU	FR 10x38	KMR
172-192	6A 2P	4A 1P	6A 3P	9A	9A	6A 2P	9A	500mA glass	10A	9A	10A	9A
202	6A 2P	4A 1P	6A 3P	9A	9A	6A 2P	9A	500mA glass	10A	9A	10A	9A
232-272	6A 2P	4A 1P	10A 3P	9A	9A	6A 2P	9A	500mA glass	10A	9A	10A	9A
342	6A 2P	4A 1P	10A 3P	12A	9A	6A 2P	9A	500mA glass	10A	9A	10A	9A
302-362	6A 2P	4A 1P	10A 3P	9A-12A	9A	6A 2P	9A	500mA glass	10A	9A	10A	9A
442	6A 2P	4A 1P	16A 3P	18A	9A	6A 2P	9A	500mA glass	10A	9A	10A	9A
412	6A 2P	4A 1P	16A 3P	12A	18A	6A 2P	9A	500mA glass	20A	12A	16A	12A
452-492	6A 2P	4A 1P	16A 3P	18A	18A	6A 2P	9A	500mA glass	20A	12A	16A	12A
482-532	6A 2P	4A 1P	16A 3P	18A	18A	10A 3P	9A	500mA glass	20A	12A	16A	12A
572	6A 2P	4A 1P	20A 3P	25A	18A	10A 3P	9A	500mA glass	20A	12A	16A	12A
602	6A 2P	4A 1P	25A 3P	25A	18A	10A 3P	9A	500mA glass	20A	12A	16A	12A
542	6A 2P	4A 1P	20A 3P	18A	25A	10A 3P	9A	500mA glass	20A	12A	20A	25A
622	6A 2P	4A 1P	25A 3P	25A	25A	10A 3P	9A	500mA glass	20A	12A	20A	25A
682	6A 2P	4A 1P	25A 3P	25A	18A	10A 3P	9A	500mA glass	20A	12A	20A	25A
842	6A 2P	4A 1P	32A 3P	32A	18A	10A 3P	9A	500mA glass	20A	12A	20A	25A
762	6A 2P	4A 1P	25A 3P	25A	32A	10A 3P	9A	500mA glass	20A	12A	20A	25A
892-1002	6A 2P	4A 1P	32A 3P	32A	32A	10A 3P	9A	500mA glass	20A	12A	20A	25A
1102	6A 2P	4A 1P	32A 3P	32A	25A	10A 3P	9A	500mA glass	20A	12A	20A	25A

5.2 Fault alarm and display system

The troubleshooting is facilitated by the microprocessor, which activates an alarm and shows on its display the type of fault occurred (see also the microprocessor manual attached).

Since the alarm state is very often generated by an unfitted electric contact, in case the display shows a fault type check for all wiring connections be tighten in the terminals.

In case of fault also refer to the microprocessor manual for checking parameters setting has been done properly.

5.3 Troubleshooting

TROUBLE	POSSIBLE CAUSE	CHECK/ CORRECTIVE ACTION
1)The unit does not work	A) The electric panel is not powered	Check presence of electric tension and main switch in ON position
	B) The auxiliary circuit is not powered	Check fuse FUT and FUA
2) The conditioning unit does not start	A) The microprocessor does not start the unit	Check the electric connection to the microprocessor
	B) The external impulse to the microprocessor fails	Check the contact ON/OFF remote is closed
3) Room temperature too high (high temperature alarm signal)	A) The unit does not work	See trouble 1 and 2
	B) The control system rating is not correct	Check the rating of the control system
	C) The air flow capacity is too low	See trouble 6
	D) The compressor does not work	See trouble 13
	E) The compressor output is not sufficient	See trouble 9 and 12
	F) The control system does not work	See the attached Microprocessor manual
	G) Thermal load higher than estimated	Check the room thermal load value
4) Room temperature too low (low temperature alarm signal)	A) The control system rating is not correct	Check rating of the control system
	B) The heating elements do not work (if installed)	See trouble 15
	C) The control system does not work	See the attached Microprocessor manual
	D) Thermal loss higher than estimated	Check thermal loss value
5) Room humidity too high Only for units provided with humidity control (high room humidity alarm)	A) The control system is not properly set	Check control system setting
	B) Latent load higher than estimated	Check room latent load value
	C) The compressor does not work when in dehumidification phase	See trouble 13
	D) The control system does not work	See the attached Microprocessor manual
6) Low air flow (or absent) (high humidity probe)	A) The fans are not powered	Check the fans electric circuit
	B) Clogged filter (filter alarm activated)	Clean or replace filter
	C) Obstruction in the air duct or excess of load loss in the air duct	Check total load loss and compare with the unit delivery head
	D) Fan thermal protection system is activated	Check fan winding resistance; after reset check tension and electric input
7) The high pressure switch activates	A) The condensation pressure control system is not properly working (if present)	Check setting and working of the control system for the condensation adjustment
	B) One or more fans are out of order (ED.A, ED.M units)	Check internal thermal protection of the not working fan(s). Replace defective fans
	C)The high pressure switch is not properly set	Replace the high pressure switch
	D) Output pressure too high	See trouble 9
	E) The condensation water capacity is not sufficient	1) check correct position of all valves 2) check presence of air in the circuit
8) The low pressure switch activates	A) The low pressure switch is not properly set	Replace the low pressure switch
	B) Intake pressure too low	See trouble 12

TROUBLES	POSSIBLE CAUSE	CHECK/ CORRECTIVE ACTION
9) Compressor high pressure output	A) Air to the condenser too hot	Check presence of any condensation air re-cycle
	B) Scarce condensation air flow	Check if there are obstacles to the air flow in the exchanger coil fins (see par. Arrangements and placing)
	C) Air intake pressure too high	See trouble 11
	D) Clogged fins of the condenser coil	Clean exchanger coil removing clogging materials (paper, leaves, seeds, etc.)
	E) Circuit charged with too much refrigerant: condenser partially flooded	The under-cooling of the refrigerant too high; remove some refrigerant from the circuit
	F) Air or refrigerant not condensable in the circuit	The flow sight glass presents gas bubbles. The discharge temperature from the compressor is high; the cooling circuit must be discharged and recharged after the vacuum
	G) Water to the plate condenser too hot	Check capacity of the condensation water cooling system
	H) Condensation water capacity not adequate	Check system load loss and compare them with the pump delivery head
	I) Plate condenser encrusted	Wash the exchanger with specific product
10) Compressor output low pressure	A) The condensation pressure control system is not properly working	Check setting and working of the condensation control system
	B) Intake pressure too low	See trouble 12
11) Compressor intake high pressure	A) Thermal load higher than estimated	Check room thermal load value
	B) Output pressure too high	See trouble 9
	C) Liquid refrigerant return to the compressor intake	Check the overheating of thermostatic valve is correct; check the valve bulb is well placed, fixed and insulated
12) Compressor intake low pressure (and possible frost on the coil battery)	A) Room temperature too low	See "trouble 4"
	B) The air flow is too low or absent	See "trouble 6"
	C) Clogged refrigerant filter	Check the filter of the refrigerant
	D) Faulty thermostatic valve or not properly set	Check the overheating of the thermostatic valve is correct ; check if the element is fit
	E) Inadequate refrigerant charge	Check possible leakage and recharge
	F) Output pressure too low	See "trouble 10"
13) The compressor does not work	A) Automatic switch activated	Reset the automatic switch; look for the cause of the short circuit
	B) Compressor internal protection activated	Check compressor winding resistance; after reset check tension and electric input; check if working parameters are normal values
	C) The contact maker is not working	Check the contacts and the coil
14) The compressor is noisy	A) Liquid return to the compressor	Check working and overheating of the expansion valve
	B) The compressor is damaged	Replace the compressor
15) The heating elements do not work (if installed)	A) The safety thermostat activated	1)The air flow rate is too low, see "trouble 6") 2) Check the safety thermostat for defect, replace it if found defective
	B) Fuses activated	Replace damaged fuses
	C) The contact maker is not working	Check the contacts and the coil
16) Alarm of one probe	The probe corresponding to the alarm code is defective or disconnected	Check the connection of the probe: in case of defect replace it.

5.4 Routine Maintenance

	Monthly	Quarterly	Annual
Filter cleaning	X		
Condensate tank cleaning		X	
Condenser coil battery cleaning (ED.A/M)			X
Humidifier cleaning		X	
Insulation and cooling lines check		X	
Compressor noise level check	X		
Fan bearings noise level check		X	
Electric connection tightening		X	
Contactors status check		X	
Insulation status of ducting check			X
Condenser water flow check (ED.W)	X		
Sight glass check		X	
Electric absorption check		X	
Working pressures check		X	
General unit condition check			X
Probe calibration check			X
Set parameter values check		X	
Refrigerant filter load drop check			X
Safety valve check			X
Pressostatic valve check		X	
Electric protections operation check		X	

5.5 Spare parts list

ED.	61	81	91	101	121	141	151	171	201
Case heating element	-	-	-	C3020001	C3020001	C3020001	C3020001	C3020001	C3020001
High pressure switch	HP10001	HP10001	HP10001	HP10001	HP10001	HP10001	HP10001	HP10001	HP10001
Low pressure switch	LP10001	LP10001	LP10001	LP10001	LP10001	LP10001	LP10001	LP10001	LP10001
Non-return valve	VNR0001	VNR0001	VNR0001	VNR0001	VNR0001	VNR0001	VNR0002	VNR0002	VNR0002
Safety valve	SV00001	SV00001	SV00001	SV00001	SV00001	SV00001	SV00001	SV00001	SV00001
Solenoid coil	BOS0001	BOS0001	BOS0001	BOS0001	BOS0001	BOS0001	BOS0001	BOS0001	BOS0001
Temperature probe	MP00S01	MP00S01	MP00S01	MP00S01	MP00S01	MP00S01	MP00S01	MP00S01	MP00S01
Microprocessor	MP00001	MP00001	MP00001	MP00001	MP00001	MP00001	MP00001	MP00001	MP00001
Compressor	C30100001	C30100002	C30100003	C30100003	C30100004	C30100005	C30100005	C30100006	C30100007
Evaporator coil battery	B2010001	B2010001	B2010001	B2010002	B2010002	B2010002	B2010003	B2010003	B2010003
Fan	V2010001	V2010002	V2010003	V2010004	V2010005	V2010006	V2010007	V2010008	V2010009
Thermostatic valve	T2010001	T2010002	T2010003	T2010004	T2010005	T2010006	T2010007	T2010008	T2010009
Solenoid valve	S2010001	S2010001	S2010001	S2010001	S2010001	S2010001	S2010002	S2010002	S2010002
Freon filter	F2010001	F2010001	F2010001	F2010001	F2010001	F2010001	F2010002	F2010002	F2010002
Air filter	A1010001	A1010001	A1010001	A1010002	A1010002	A1010002	A1010003	A1010003	A1010003

ED.	172	192	221	241	251	291	301	341	202
Case heating element	C3020001	C3020001	C3020001	C3020001	C3020001	C30200015	C30200015	C30200015	C30200015
High pressure switch	HP10001	HP10001	HP10001	HP10001	HP10001	HP10001	HP10001	HP10001	HP10001
Low pressure switch	LP10001	LP10001	LP10001	LP10001	LP10001	LP10001	LP10001	LP10001	LP10001
Non-return valve	VNR0002	VNR0002	VNR0002	VNR0002	VNR0003	VNR0003	VNR0003	VNR0003	VNR0001
Safety valve	SV00001	SV00001	SV00001	SV00001	SV00001	SV00001	SV00001	SV00001	SV00001
Solenoid coil	BOS0001	BOS0001	BOS0001	BOS0001	BOS0001	BOS0001	BOS0001	BOS0001	BOS0001
Temperature probe	MP00S01	MP00S01	MP00S01	MP00S01	MP00S01	MP00S01	MP00S01	MP00S01	MP00S01
Microprocessor	MP00001	MP00001	MP00001	MP00001	MP00001	MP00001	MP00001	MP00001	MP00001
Compressor	C30100002	C30100003	C30100007	C30100008	C30100009	C30100015	C30100016	C30100017	C30100002
Evaporator coil battery	B2010004	B2010004	B2010005	B2010005	B2010005	B2010005	B2010005	B2010005	B2010006
Fan	V2010010	V2010011	V2010012	V2010013	V2010014	V2010015	V2010016	V2010017	V2010018
Thermostatic valve	T2010010	T2010011	T2010012	T2010013	T2010014	T2010015	T2010016	T2010017	T2010018
Solenoid valve	S2010002	S2010002	S2010002	S2010002	S2010003	S2010003	S2010003	S2010003	S2010001
Freon filter	F2010002	F2010002	F2010002	F2010002	F2010003	F2010003	F2010003	F2010003	F2010001
Air filter	A1010003	A1010003	A1010004	A1010004	A1010004	A1010004	A1010004	A1010004	A1010004

ED.	232	272	342	321	361	451	302	362	442
Case heating element	C30200015	C30200015	C30200015	C30200015	C30200015	C30200015	C30200015	C30200015	C30200015
High pressure switch	HP10001	HP10001	HP10001	HP10001	HP10001	HP10001	HP10001	HP10001	HP10001
Low pressure switch	LP10001	LP10001	LP10001	LP10001	LP10001	LP10001	LP10001	LP10001	LP10001
Non-return valve	VNR0001	VNR0001	VNR0002	VNR0003	VNR0003	VNR0003	VNR0002	VNR0002	VNR0002
Safety valve	SV00001	SV00001	SV00001	SV00001	SV00001	SV00001	SV00001	SV00001	SV00001
Solenoid coil	BOS0001	BOS0001	BOS0001	BOS0001	BOS0001	BOS0001	BOS0001	BOS0001	BOS0001
Temperature probe	MP00S01	MP00S01	MP00S01	MP00S01	MP00S01	MP00S01	MP00S01	MP00S01	MP00S01
Microprocessor	MP00001	MP00001	MP00001	MP00001	MP00001	MP00001	MP00001	MP00001	MP00001
Compressor	C30100003	C30100004	C30100005	C30100008	C30100009	C30100010	C30100004	C30100005	C30100006
Evaporator coil battery	B2010006	B2010006	B2010006	B2010007	B2010007	B2010007	B2010008	B2010008	B2010008
Fan	V2010019	V2010020	V2010021	V2010022	V2010023	V2010024	V2010025	V2010026	V2010027
Thermostatic valve	T2010019	T2010020	T2010021	T2010022	T2010023	T2010024	T2010025	T2010026	T2010027
Solenoid valve	S2010001	S2010001	S2010002	S2010003	S2010003	S2010003	S2010002	S2010002	S2010002
Freon filter	F2010001	F2010001	F2010002	F2010003	F2010003	F2010003	F2010002	F2010002	F2010002
Air filter	A1010004	A1010004	A1010004	A1010005	A1010005	A1010005	A1010005	A1010005	A1010005

ED.	351	431	531	412	452	492	471	521	601
Case heating element	C30200015	C30200015	C30200015	C30200015	C30200015	C30200015	C30200015	C30200015	C30200015
High pressure switch	HP10001	HP10001	HP10001	HP10001	HP10001	HP10001	HP10001	HP10001	HP10001
Low pressure switch	LP10001	LP10001	LP10001	LP10001	LP10001	LP10001	LP10001	LP10001	LP10001
Non-return valve	VNR0003	VNR0003	VNR0003	VNR0002	VNR0002	VNR0003	VNR0003	VNR0003	VNR0003
Safety valve	SV00001	SV00001	SV00001	SV00001	SV00001	SV00001	SV00001	SV00001	SV00001
Solenoid coil	BOS0001	BOS0001	BOS0001	BOS0001	BOS0001	BOS0001	BOS0001	BOS0001	BOS0001
Temperature probe	MP00S01	MP00S01	MP00S01	MP00S01	MP00S01	MP00S01	MP00S01	MP00S01	MP00S01
Microprocessor	MP00001	MP00001	MP00001	MP00001	MP00001	MP00001	MP00001	MP00001	MP00001
Compressor	C30100010	C30100011	C30100012	C30100005	C30100006	C30100007	C30100011	C30100012	C30100013
Evaporator coil battery	B2010009	B2010009	B2010009	B2010010	B2010010	B2010010	B2010011	B2010011	B2010011
Fan	V2010028	V2010029	V2010030	V2010031	V2010032	V2010033	V2010034	V2010035	V2010036
Thermostatic valve	T2010028	T2010029	T2010030	T2010031	T2010032	T2010033	T2010034	T2010035	T2010036
Solenoid valve	S2010003	S2010003	S2010003	S2010002	S2010002	S2010003	S2010003	S2010003	S2010003
Freon filter	F2010003	F2010003	F2010003	F2010002	F2010002	F2010003	F2010003	F2010003	F2010003
Air filter	A1010006	A1010006	A1010030	A1010006	A1010006	A1010006	A1010007	A1010007	A1010007

ED.	482	532	572	581	651	721	821	542	622
Case heating element	C30200015	C30200015	C30200015	C30200015	C30200015	C30200015	C30200015	C30200015	C30200015
High pressure switch	HP10001	HP10001	HP10001	HP10001	HP10001	HP10001	HP10001	HP10001	HP10001
Low pressure switch	LP10001	LP10001	LP10001	LP10001	LP10001	LP10001	LP10001	LP10001	LP10001
Non-return valve	VNR0003	VNR0003	VNR0003	VNR0003	VNR0003	VNR0004	VNR0004	VNR0003	VNR0003
Safety valve	SV00001	SV00001	SV00001	SV00001	SV00001	SV00001	SV00001	SV00001	SV00001
Solenoid coil	BOS0001	BOS0001	BOS0001	BOS0001	BOS0001	BOS0001	BOS0001	BOS0001	BOS0001
Temperature probe	MP00S01	MP00S01	MP00S01	MP00S01	MP00S01	MP00S01	MP00S01	MP00S01	MP00S01
Microprocessor	MP00001	MP00001	MP00001	MP00001	MP00001	MP00001	MP00001	MP00001	MP00001
Compressor	C30100006	C30100007	C30100008	C30100012	C30100013	C30100014	C30100015	C30100007	C30100008
Evaporator coil battery	B2010012	B2010012	B2010012	B2010013	B2010013	B2010013	B2010013	B2010014	B2010014
Fan	V2010037	V2010038	V2010039	V2010040	V2010041	V2010042	V2010043	V2010044	V2010045
Thermostatic valve	T2010037	T2010038	T2010039	T2010040	T2010041	T2010042	T2010043	T2010044	T2010045
Solenoid valve	S2010003	S2010003	S2010003	S2010003	S2010003	S2010004	S2010004	S2010003	S2010003
Freon filter	F2010003	F2010003	F2010003	F2010003	F2010003	F2010004	F2010004	F2010003	F2010003
Air filter	A1010007	A1010007	A1010007	A1010008	A1010008	A1010008	A1010008	A1010008	A1010008

ED.	682	842	762	892	1002	1102
Case heating element	C30200015	C30200015	C30200015	C30200015	C30200015	C30200015
High pressure switch	HP10001	HP10001	HP10001	HP10001	HP10001	HP10001
Low pressure switch	LP10001	LP10001	LP10001	LP10001	LP10001	LP10001
Non-return valve	VNR0003	VNR0003	VNR0003	VNR0003	VNR0003	VNR0003
Safety valve	SV00001	SV00001	SV00001	SV00001	SV00001	SV00001
Solenoid coil	BOS0001	BOS0001	BOS0001	BOS0001	BOS0001	BOS0001
Temperature probe	MP00S01	MP00S01	MP00S01	MP00S01	MP00S01	MP00S01
Microprocessor	MP00001	MP00001	MP00001	MP00001	MP00001	MP00001
Compressor	C30100009	C30100010	C30100009	C30100010	C30100011	C30100012
Evaporator coil battery	B2010015	B2010015	B2010015	B2010015	B2010015	B2010015
Fan	V2010046	V2010047	V2010048	V2010049	V2010050	V2010051
Thermostatic valve	T2010046	T2010047	T2010048	T2010049	T2010050	T2010051
Solenoid valve	S2010003	S2010003	S2010003	S2010003	S2010003	S2010003
Freon filter	F2010003	F2010003	F2010003	F2010003	F2010003	F2010003
Air filter	A1010008	A1010008	A1010008	A1010008	A1010008	A1010008

5.5.1 Accessories spare parts list

ED.	61	81	91	101	121	141	151	171	201
Steam cylinder	U1010001	U1010001	U1010001	U1010002	U1010002	U1010002	U1010002	U1010002	U1010002
Heating elements	R1010001	R1010001	R1010001	R1010002	R1010002	R1010002	R1010003	R1010003	R1010003
Water coil battery	BAC0001	BAC0001	BAC0001	BAC0002	BAC0002	BAC0002	BAC0003	BAC0003	BAC0003
Hot gas coil battery	BGC0001	BGC0001	BGC0001	BGC0002	BGC0002	BGC0002	BGC0003	BGC0003	BGC0003
Filters F5	F500001	F500001	F500001	F500002	F500002	F500002	F500003	F500003	F500003
Filters F6	F600001	F600001	F600001	F600002	F600002	F600002	F600003	F600003	F600003
Filters F7a	F7A0001	F7A0001	F7A0001	F7A0002	F7A0002	F7A0002	F7A0003	F7A0003	F7A0003
Filters F7b	F7B0001	F7B0001	F7B0001	F7B0002	F7B0002	F7B0002	F7B0003	F7B0003	F7B0003
Filters F9	F900001	F900001	F900001	F900002	F900002	F900002	F900003	F900003	F900003
Flooding probe	MPOSA01	MPOSA01	MPOSA01	MPOSA01	MPOSA01	MPOSA01	MPOSA01	MPOSA01	MPOSA01
Humidity probe	MPOUT01	MPOUT01	MPOUT01	MPOUT01	MPOUT01	MPOUT01	MPOUT01	MPOUT01	MPOUT01

ED.	172	192	221	241	251	291	301	341	202
Steam cylinder	U1010002	U1010002	U1010002	U1010002	U1010002	U1010002	U1010002	U1010002	U1010002
Heating elements	R1010003	R1010003	R1010004	R1010004	R1010004	R1010004	R1010004	R1010004	R1010004
Water coil battery	BAC0003	BAC0003	BAC0005	BAC0005	BAC0005	BAC0005	BAC0005	BAC0005	BAC0005
Hot gas coil battery	BGC0004	BGC0004	BGC0005	BGC0005	BGC0005	BGC0005	BGC0005	BGC0005	BGC0006
Filters F5	F500003	F500003	F500004	F500004	F500004	F500004	F500004	F500004	F500004
Filters F6	F600003	F600003	F600004	F600004	F600004	F600004	F600004	F600004	F600004
Filters F7a	F7A0003	F7A0003	F7A0004	F7A0004	F7A0004	F7A0004	F7A0004	F7A0004	F7A0004
Filters F7b	F7B0003	F7B0003	F7B0004	F7B0004	F7B0004	F7B0004	F7B0004	F7B0004	F7B0004
Filters F9	F900003	F900003	F900004	F900004	F900004	F900004	F900004	F900004	F900004
Flooding probe	MPOSA01	MPOSA01	MPOSA01	MPOSA01	MPOSA01	MPOSA01	MPOSA01	MPOSA01	MPOSA01
Humidity probe	MPOUT01	MPOUT01	MPOUT01	MPOUT01	MPOUT01	MPOUT01	MPOUT01	MPOUT01	MPOUT01

ED.	232	272	342	321	361	451	302	362	442
Steam cylinder	BAC0005	BAC0005	U1010002	U1010002	U1010002	U1010002	U1010002	U1010002	U1010002
Heating elements	BGC0005	BGC0005	R1010004	R1010004	R1010004	R1010004	R1010004	R1010004	R1010004
Water coil battery	BAC0005	BAC0005	BAC0005	BAC0007	BAC0007	BAC0007	BAC0007	BAC0007	BAC0007
Hot gas coil battery	BGC0006	BGC0006	BGC0006	BGC0007	BGC0007	BGC0007	BGC0008	BGC0008	BGC0008
Filters F5	F500004	F500004	F500004	F500005	F500005	F500005	F500005	F500005	F500005
Filters F6	F600004	F600004	F600004	F600005	F600005	F600005	F600005	F600005	F600005
Filters F7a	F7A0004	F7A0004	F7A0004	F7A0005	F7A0005	F7A0005	F7A0005	F7A0005	F7A0005
Filters F7b	F7B0004	F7B0004	F7B0004	F7B0005	F7B0005	F7B0005	F7B0005	F7B0005	F7B0005
Filters F9	F900004	F900004	F900004	F900005	F900005	F900005	F900005	F900005	F900005
Flooding probe	MPOSA01	MPOSA01	MPOSA01	MPOSA01	MPOSA01	MPOSA01	MPOSA01	MPOSA01	MPOSA01
Humidity probe	MP0UT01	MP0UT01	MP0UT01	MP0UT01	MP0UT01	MP0UT01	MP0UT01	MP0UT01	MP0UT01

ED.	351	431	531	412	452	492	471	521	601
Steam cylinder	U1010003	U1010002	U1010002	U1010002	U1010002	U1010002	U1010002	U1010002	U1010002
Heating elements	R1010005	R1010005	R1010005	R1010005	R1010005	R1010005	R1010005	R1010005	R1010005
Water coil battery	BAC0008	BAC0008	BAC0008	BAC0008	BAC0008	BAC0008	BAC0010	BAC0010	BAC0010
Hot gas coil battery	BGC0008	BGC0008	BGC0008	BGC0009	BGC0009	BGC0009	BGC0010	BGC0010	BGC0010
Filters F5	F500006	F500006	F500006	F500006	F500006	F500006	F500007	F500007	F500007
Filters F6	F600006	F600006	F600006	F600006	F600006	F600006	F600007	F600007	F600007
Filters F7a	F7A0006	F7A0006	F7A0006	F7A0006	F7A0006	F7A0006	F7A0007	F7A0007	F7A0007
Filters F7b	F7B0006	F7B0006	F7B0006	F7B0006	F7B0006	F7B0006	F7B0007	F7B0007	F7B0007
Filters F9	F900006	F900006	F900006	F900006	F900006	F900006	F900007	F900007	F900007
Flooding probe	MPOSA01	MPOSA01	MPOSA01	MPOSA01	MPOSA01	MPOSA01	MPOSA01	MPOSA01	MPOSA01
Humidity probe	MP0UT01	MP0UT01	MP0UT01	MP0UT01	MP0UT01	MP0UT01	MP0UT01	MP0UT01	MP0UT01

ED.	482	532	572	602	581	651	721	821	542
Steam cylinder	U1010002	U1010002	U1010002	U1010002	U1010002	U1010002	U1010002	U1010002	U1010002
Heating elements	R1010005	R1010005	R1010005	R1010005	R1010006	R1010006	R1010006	R1010006	R1010006
Water coil battery	BAC0010	BAC0010	BAC0010	BAC0010	BAC0012	BAC0012	BAC0012	BAC0012	BAC0012
Hot gas coil battery	BGC0011	BGC0011	BGC0011	BGC0011	BGC0012	BGC0012	BGC0012	BGC0012	BGC0013
Filters F5	F500007	F500007	F500007	F500008	F500008	F500008	F500008	F500008	F500008
Filters F6	F600007	F600007	F600007	F600008	F600008	F600008	F600008	F600008	F600008
Filters F7a	F7A0007	F7A0007	F7A0007	F7A0008	F7A0008	F7A0008	F7A0008	F7A0008	F7A0008
Filters F7b	F7B0007	F7B0007	F7B0007	F7B0008	F7B0008	F7B0008	F7B0008	F7B0008	F7B0008
Filters F9	F900007	F900007	F900007	F900008	F900008	F900008	F900008	F900008	F900008
Flooding probe	MPOSA01	MPOSA01	MPOSA01	MPOSA01	MPOSA01	MPOSA01	MPOSA01	MPOSA01	MPOSA01
Humidity probe	MP0UT01	MP0UT01	MP0UT01	MP0UT01	MP0UT01	MP0UT01	MP0UT01	MP0UT01	MP0UT01


ED.	622	682	842	762	892	1002	1102
Steam cylinder	U1010002	U1010002	U1010002	U1010002	U1010002	U1010002	U1010002
Heating elements	R1010006	R1010006	R1010006	R1010006	R1010006	R1010006	R1010006
Water coil battery	BAC0012	BAC0012	BAC0012	BAC0014	BAC0014	BAC0014	BAC0014
Hot gas coil battery	BGC0013	BGC0013	BGC0013	BGC0014	BGC0014	BGC0014	BGC0014
Filters F5	F500008	F500008	F500008	F600009	F600009	F600009	F600009
Filters F6	F600008	F600008	F600008	F600008	F600008	F600008	F600008
Filters F7a	F7A0008	F7A0008	F7A0008	F7A0008	F7A0008	F7A0008	F7A0008
Filters F7b	F7B0008	F7B0008	F7B0008	F7B0008	F7B0008	F7B0008	F7B0008
Filters F9	F900008	F900008	F900008	F900008	F900008	F900008	F900008
Flooding probe	MPOSA01	MPOSA01	MPOSA01	MPOSA01	MPOSA01	MPOSA01	MPOSA01
Humidity probe	MP0UT01	MP0UT01	MP0UT01	MP0UT01	MP0UT01	MP0UT01	MP0UT01

6 - DISMANTLING

When the unit has to be dismantled, drain the cooling circuit and collect the refrigerant gas by means of an adequate receiver, in order to protect environment, persons and properties.

 Do not release, for no reasons, the gas contained in the cooling circuit in the environment.

When dismantling the unit or when replacing the compressor, carefully collect the oil of the compressor and deliver it to an authorized company for oil disposal.

 Do not discharge, for no reasons, the oil of the compressor in the environment.

DECLARATION OF CE CONFORMITY

The manufacturer

EMICON A.C. S.P.A.

Via Dragoni, 59

47100 Forlì (FC)

Tel. (0039)-0543-411450

Fax (0039)-0543-550790

DECLARES

that the precision air conditioning unit with direct expansion

MODEL _____

SERIAL NUMBER _____

has been designed and manufactured in compliance with the essential health and safety requirements of D.P.R. 459 dated July 24, 1996 attachment 1.

The machine complies with following directives:

- Machinery directive 89/392/EEC
- Electromagnetic compatibility directive 89/336/EEC
- Low tension directive 72/23/EEC
- Dangerous substances 76/769/EEC

Following harmonized standards have been employed for the correct implementation of the essential requirements:

- EN 378-1
- EN 378-2
- UNI EN 292-1
- UNI EN 292-2
- UNI EN 294
- UNI EN 60204-1

Forlì,

EMICON A.C. S.P.A.