

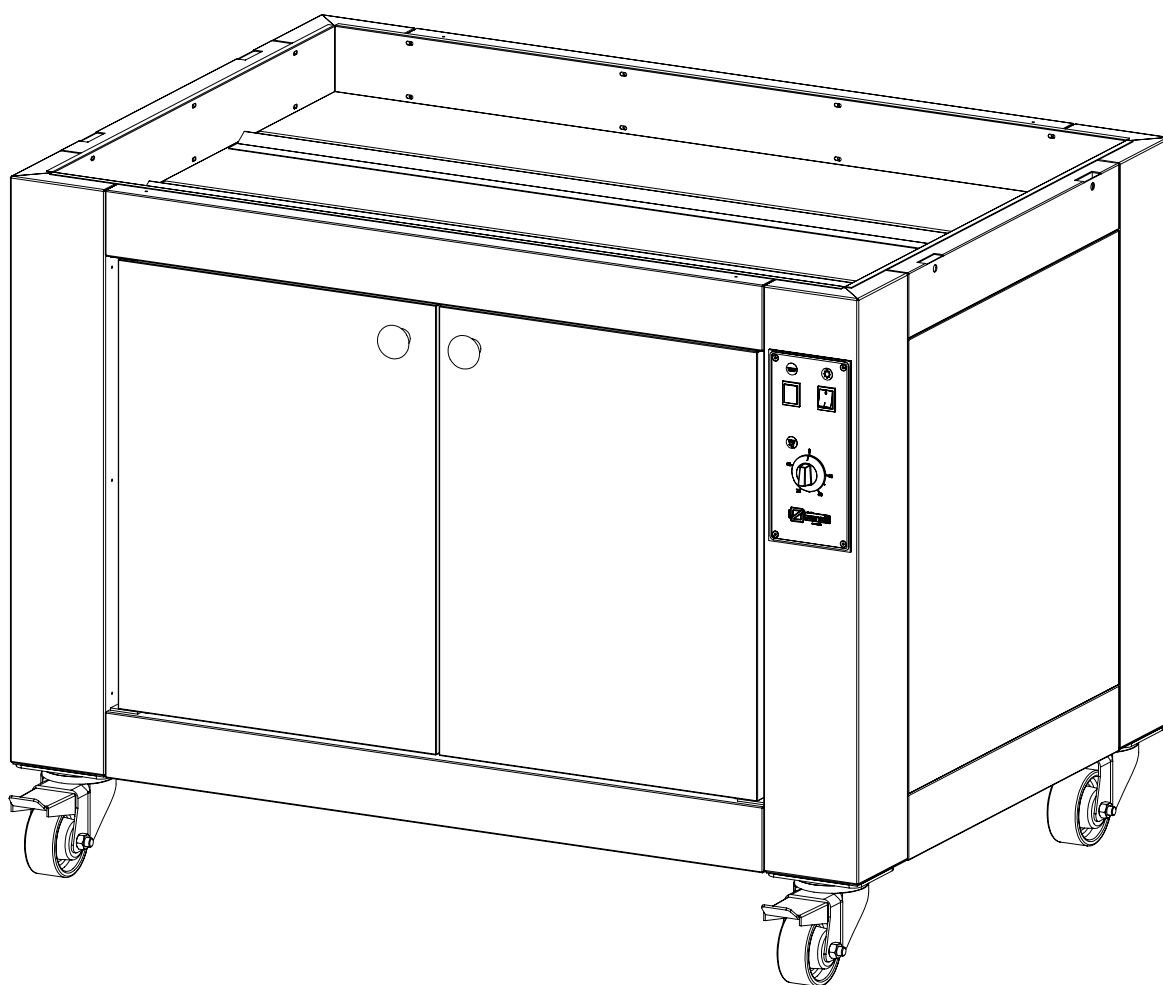
08/2012

Mod: ET6H-94

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Diamond
catering equipment



PROOFING CABINET

TEOREMA POLIS PW STANDARD

TEOREMA POLIS PW DELUXE

CITIZEN PW GAS

Installation, use and maintenance manual

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1 Identification of the product

This manual refers to the leavening chamber for oven models 2/2S/3/4/6/8 of the TEOREMA POLIS PW STANDARD (ST) version, the DELUXE (DL) version and for oven models 6/9 of the CITIZEN PW GAS series.

2 Conformity to European directives

The leavening chamber for the series listed above carry the following obligatory mark:



guaranteeing their correspondence to the following European directives:

2004/108/CE electromagnetic compatibility

2006/95/CE low voltage.

3 Intended use

The Proofing Cabinets for oven models 2/2S/3/4/6/8 of the TEOREMA POLIS PW STANDARD (ST) version, the DELUXE (DL) version and for oven models 6/9 of the CITIZEN PW GAS series, have been designed in three configurations:

- **NEUTRAL CHAMBER** used as a cabinet to put away materials;
- **PROOFING CABINET** intended for the semi-professional leavening of pizzeria products;
- **PROOFING AND HUMIDITY CABINET** intended for the professional leavening of confectionery products.

The chambers are intended for professional use by qualified staff in the catering field only

The operations foreseen for normal use are the opening and the closing of the doors, the loading and the unloading of the products on the baking-pan, the switching on, the adjustment, the switching off and the cleaning of the equipment.

4 Technical specifications

The following tables show the technical specifications of the Proofing Cabinets.

	2 ST/CL 2 DL/CL	2S ST/CL 2S DL/CL	3 ST/CL 3 DL/CL	4 ST/CL 4 DL/CL	6 ST/CL 6 DL/CL	UNIT of measure ment
Weight						Kg
OUTER HEIGHT OUTER WIDTH OUTER DEPTH	940 (700*) 1250 870	940 (700*) 1020 1070	940 (700*) 1660 870	940 (700*) 1250 1470	940 (700*) 1660 1470	mm
Baking-pans number (cm 60x40)	14 (8*)	14 (8*)	28 (16*)	21 (12*)	42 (24*)	n°
Power supply	Monophase					
Voltage	230					Vac
Frequency	50 o 60					Hz
Current (neutral chamber)	0.04					A
Current (Proofing Cabinet)	4.3	4.3	6.5	6.5	6.5	A
Current (Proofing and Humidity Cabinet)	8.7	8.7	11	11	11	A
Electrical power (neutral chamber)	8					W
Electrical power (Proofing Cabinet)	1	1	1.5	1.5	1.5	kW
Electrical power (Proofing and Humidity Cabinet)	2	2	2.5	2.5	2.5	kW
Electrical connection	Cable with 3 wires without plug					
Cable Length	2					m
Wires section	2.5					mm²
Lighting lamp:						
Type	Fluorescent lamp					
Power	8					W
Maximum temperature settable (chamber's resistance)	90					°C
Room's conditions:						
Temperature	0-40					°C
Maximum humidity	95% without condensate					

* Chamber's height in case of piling up of three modules

	8 ST/CL 8 DL/CL	6 GAS/CL	9 GAS/CL	UNIT of measure ment
Weight				Kg
OUTER HEIGHT OUTER WIDTH OUTER DEPTH	940 (700*) 1660 1880	600 1450 920	600 1450 1270	mm
Baking-pans number (cm 60x40)	42 (24*)	6	6	n°
Power supply	Monophase			
Voltage	230			Vac
Frequency	50 o 60			Hz
Current (neutral chamber)	0.04			A
Current (Proofing Cabinet)	6.5	6.5	6.5	A
Current (Proofing and Humidity Cabinet)	11	11	11	A
Electrical power (neutral chamber)	8			W
Electrical power (Proofing Cabinet)	1.5	1.5	1.5	kW
Electrical power (Proofing and Humidity Cabinet)	2.5	2.5	2.5	kW
Electrical connection	Cable with 3 wires without plug			
Cable Length	2			m
Wires section	2.5			mm²
Lighting lamp:				
Type	Fluorescent lamp			
Power	8			W
Maximum temperature settable (chamber's resistance)	90			°C
Room's conditions:				
Temperature	0-40			°C
Maximum humidity	95% without condensate			

* Chamber's height in case of piling up of three modules

5 Installation

5.1 NEUTRAL CHAMBER

5.1.1 Electrical connection

The equipment is supplied with an electrical connection cable furnished with a ground wire. In conformity with the safety regulations in force, **it is mandatory to connect the ground wire (yellow-green) to an equipotential system the efficiency of which has to be correctly verified following to the regulations in force.**

Before making any connections verify that the specifications of the electrical system, to which the equipment has to be connected, correspond to the supply characteristics required by the equipment itself (see chapter 4).

The manufacturer does not assume any responsibility for damage resulting from ignoring the abovementioned warnings.

For the electrical connection refer to Fig. 5-1 where the position of the electrical input(1) is indicated.

5.2 PROOFING CABINET

5.2.1 Electrical connection

The equipment is supplied with an electric connection cable furnished with a ground wire. In conformity with the safety regulations in force, **it is mandatory to connect the ground wire (yellow-green) to an equipotential system the efficiency of which has to be correctly verified following to the regulations in force.**

Before making any connections, verify that the specifications of the electrical system to which the equipment has to be connected, correspond to the supply characteristics required by the equipment itself (see chapter 4).

The manufacturer does not assume any responsibility for damage resulting from ignoring the abovementioned warnings.

For the electrical connection refer to Fig. 5-1 where the position of the electrical input(1) is indicated.

5.3 PROOFING AND HUMIDITY CABINET

5.3.1 Electrical connection

The equipment is supplied with an electric connection cable furnished with a ground wire. In conformity with the safety regulations in force, **it is mandatory to connect the ground wire (yellow-green) to an equipotential system the efficiency of which has to be correctly verified following to the regulations in force.**

Before making any connections verify that the peculiarities of the electrical system, to which the equipment has to be connected, correspond to the supply characteristics required by the equipment itself (see chapter 4).

The manufacturer does not assume any responsibility for damage resulting from ignoring the abovementioned warnings.

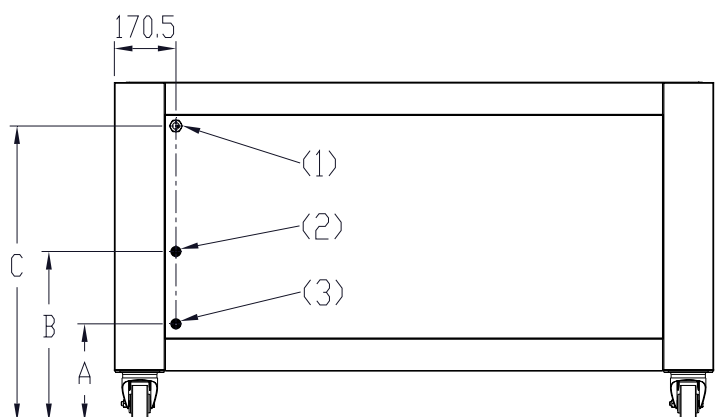
For the electrical connection refer to Fig. 5-1 where the position of the electrical input(1) is indicated.

5.3.2 Water connection for humidifier

Connect the humidifier water input to the plumbing (2) using an easily accessible interception tap .

Connect the drain humidifier water exit to the plumbing (3). Verify that the water exit drains in a well.

For the correct position of the entry and of the water drain see Fig.5-1



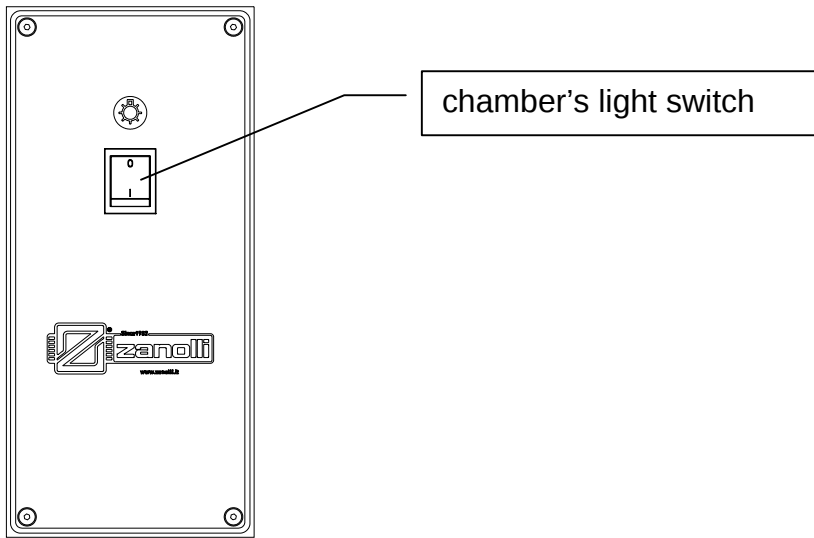
	A (mm)	B (mm)	C (mm)
T POLIS PW 2/2S/3/4/6/8 CL H=700	270	471.5	579.5
T POLIS PW 2/2S/3/4/6/8 CL H=940	270	471.5	819.5
CITIZEN PW 6/9 GAS CL H=600	260	434.5	479.5

- (1) = Power supply entry
- (2) = Water humidifier entry
- (3) = Water humidifier drain

Fig.5-1 Connections' position

6 Operating

6.1 NEUTRAL CHAMBER

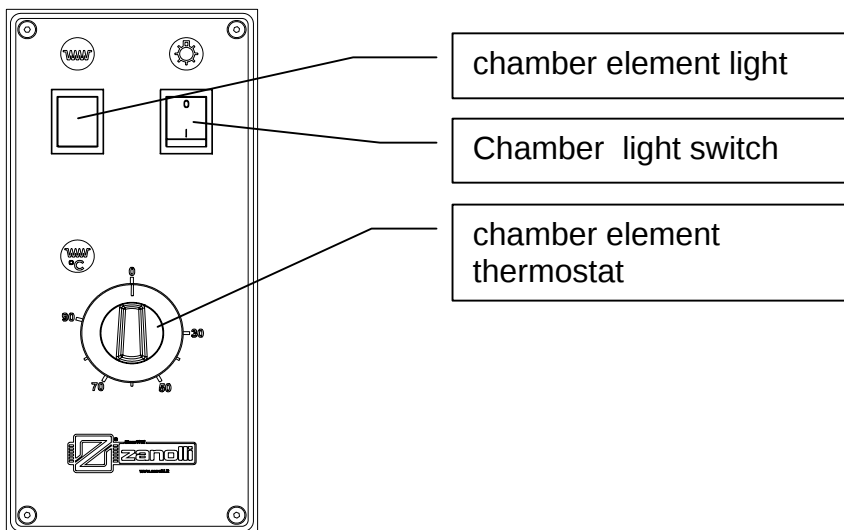


The neutral chamber is not equipped with a resistance for heating.
To switch on the light operate the chamber's light switch by putting it in position 1.

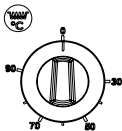


To switch off the light put the switch in position 0.

6.2 PROOFING CABINET



The proofing cabinet is equipped with a heating element.
To activate the chamber's element operate on the chamber element



thermostat and set a leavening temperature. Once you have set the

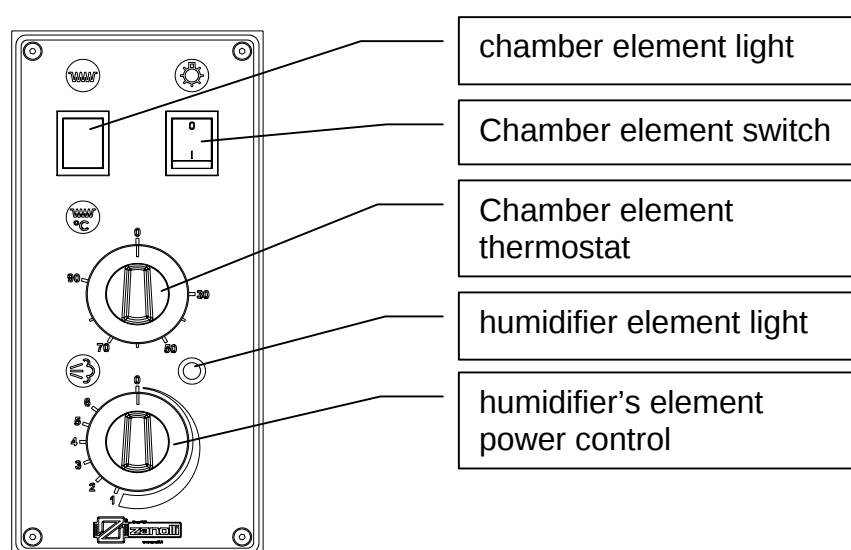
desired temperature, the functioning of the element will be indicated by the illumination of the chamber light , until the requested temperature is reached.

To switch off the chamber element turn the thermostat indicator in position 0.

To switch on the light , use on the chamber light switch  by putting it in position 1.

To switch off the light put the switch in position 0.

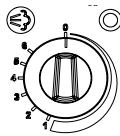
6.3 PROOFING AND HUMIDITY CABINET



The Proofing Cabinet is equipped with a heating element and with a humidifier in order to create the desired humidity.

WARNING: Before using the humidifier make sure that the plumbing for water entry and exit are connected. Then open the water entry tap.

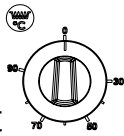
Once the water is introduced in the humidifier tank operate on the humidifier

power regulator  to heat the water to arrive at the required humidity. The functioning of the humidifier element will be indicated by the lighting of the humidifier element light.

The humidifier is equipped with a float, a level indicator that controls the water level and with an overflow in case the tank is overfilled with water

To switch off the humidifier, put the indicator of the power regulator in position 0.

To activate the chamber element operate on the chamber's resistance



thermostat and set a leavening temperature.

Once the desired temperature is set, the functioning of the element will be



indicated by the lighting of the chamber element light , until the set temperature is reached.

To switch off the chamber element turn the thermostat indicator in position 0.



To switch on the light operate on the chamber light switch  by putting it in position 1.

To switch off the light put the switch in position 0.

N.B.: In case of extended periods of inactivity (closure for holidays, for instance) it is advisable to turn off the general switch on the electrical supply panel.

7 Cleaning

Cleaning has to be carried out with the equipment turned off and at room temperature, having turned off the electrical supply in advance, using the switch on the supply panel.

To clean the outer surfaces made of stainless steel and the control panel use a soft moistened sponge with a light detergent but not abrasive cleaner.

Do not use abrasive or corrosive detergents, because these will cause the stainless steel to become opaque.

Do not direct jets of water onto the equipment for clearing as these can penetrate through to and damage the electrical system with the consequent risk of electrocution and the equipment starting up unexpectedly.

8 Maintenance

8.1 Electrical diagram

Fig.10-1 carries the electrical diagram at 230 Vac monophase for the neutral chamber version. Fig.10-2 carries the electrical diagram at 230 Vac monophase for the Proofing Cabinet version. Fig.10-3 carries the electrical diagram at 230 Vac monophase for the Proofing and Humidity Cabinet version.

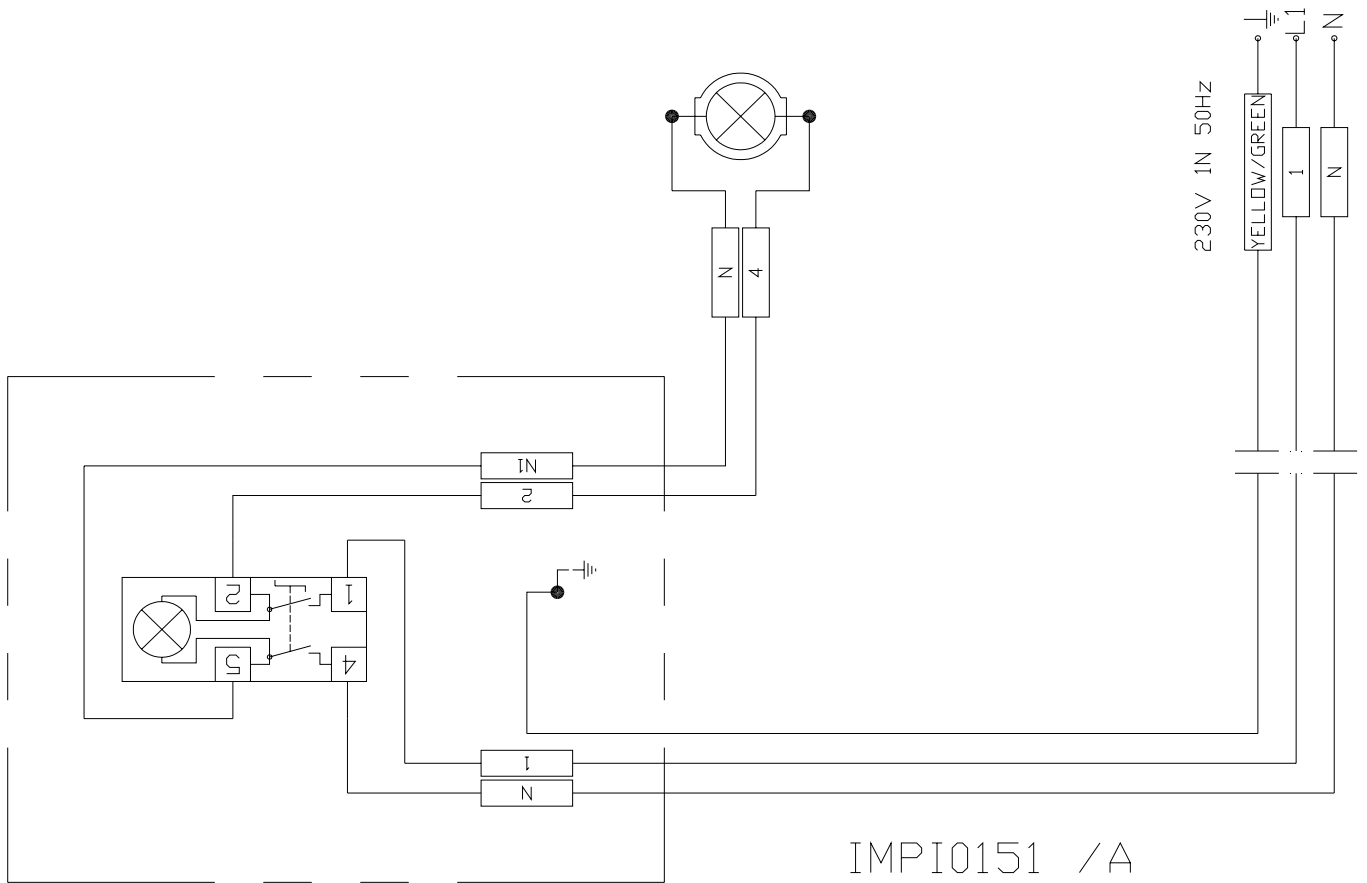


Fig. 10-1 Electrical diagram 230 Vac monophase neutral chamber

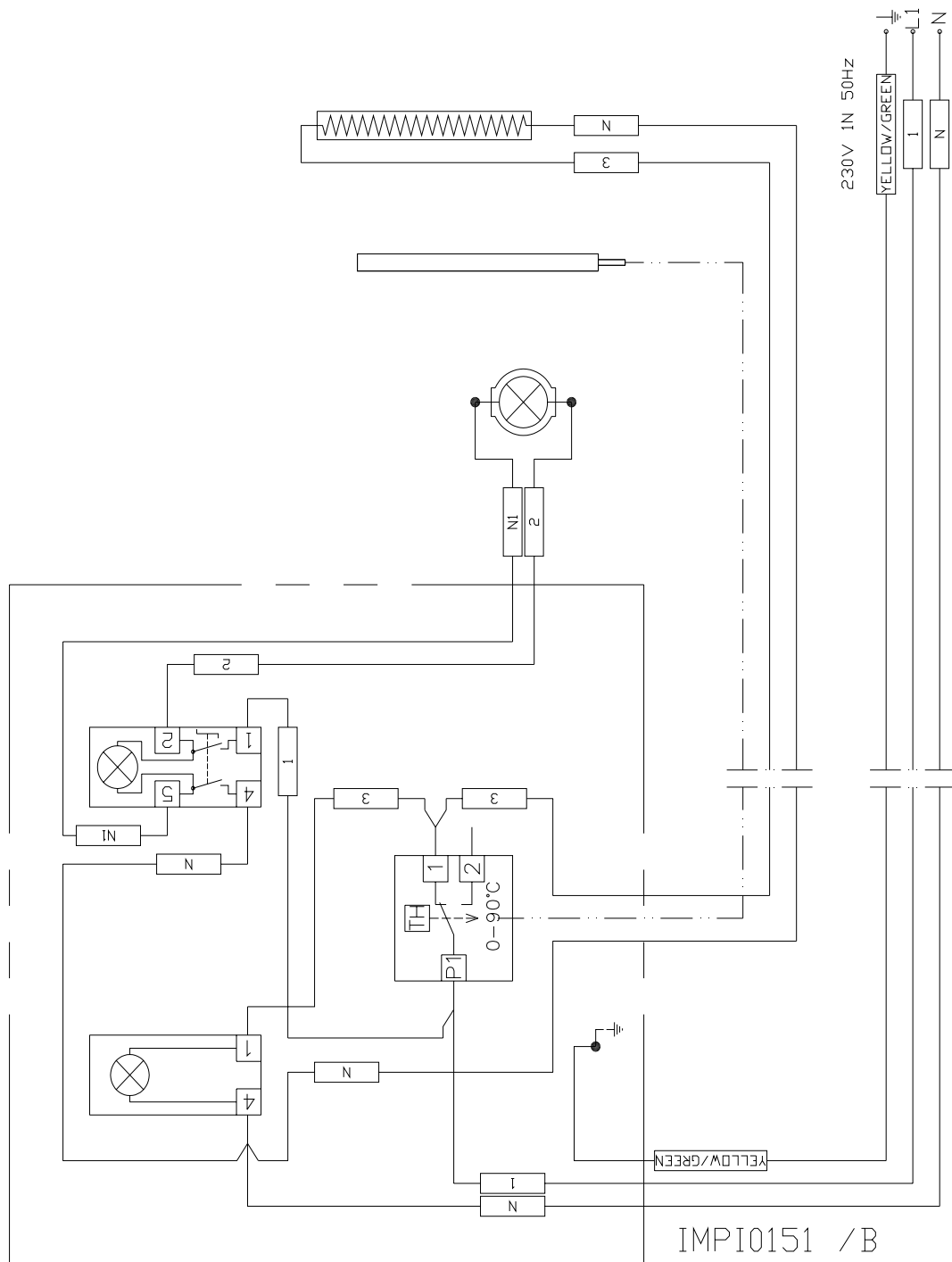


Fig.10-2 Electrical diagram 230 Vac monophasic Proofing Cabinet

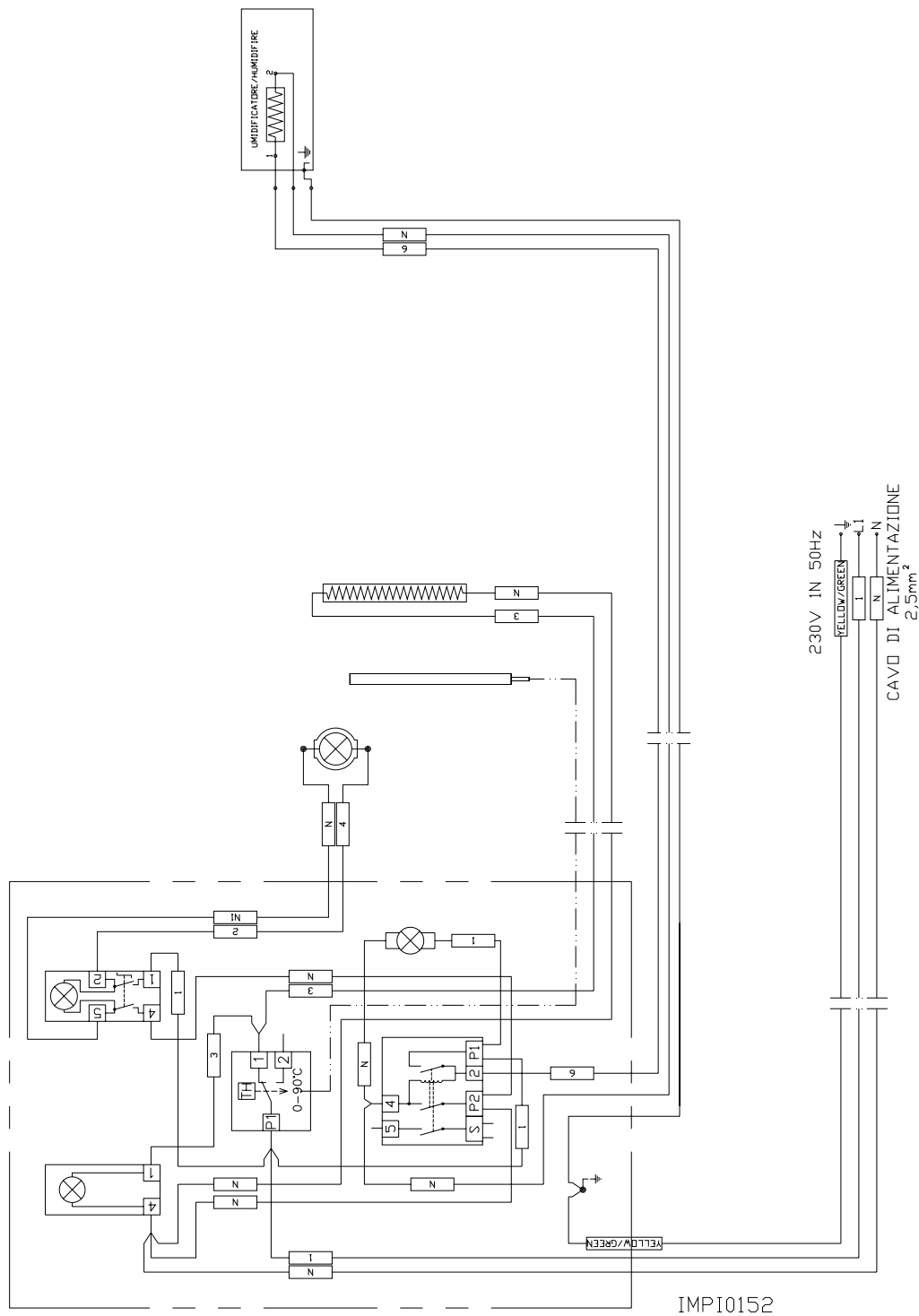


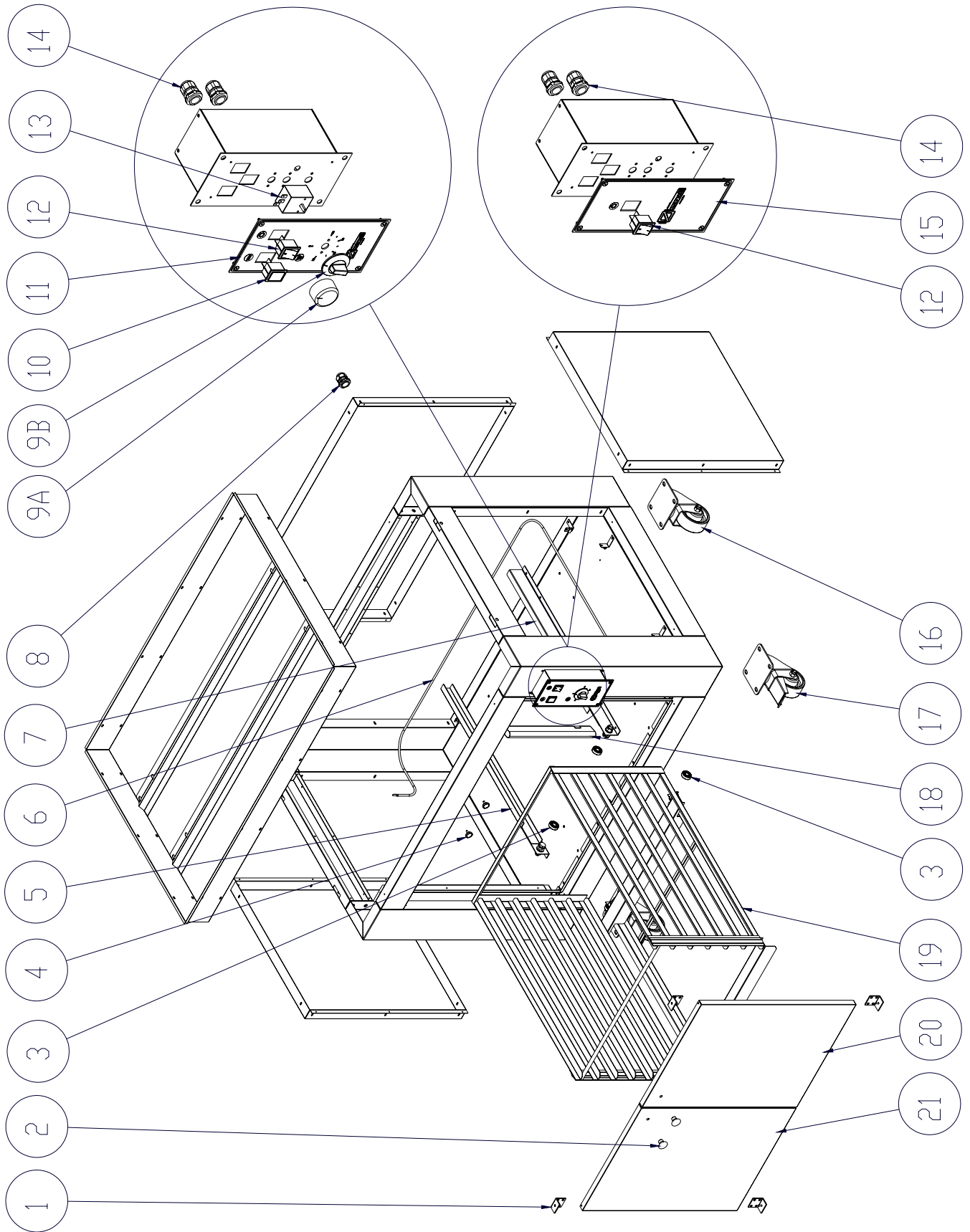
Fig.10-3 Electrical diagram 230 Vac monophasic Proofing and Humidity Cabinet

8.2 Exploded views and list of spare parts.

In order to simplify the faults' search and the possible substitution of damaged pieces, we give you as follows a list of the substitute pieces and of the exploded views, with reference to each listed piece.

In order to make it easier to find the cause of problems and replace damaged parts, here is a list of spare parts with reference to its position in exploded drawings.

CHAMBER EXPLODED VIEW

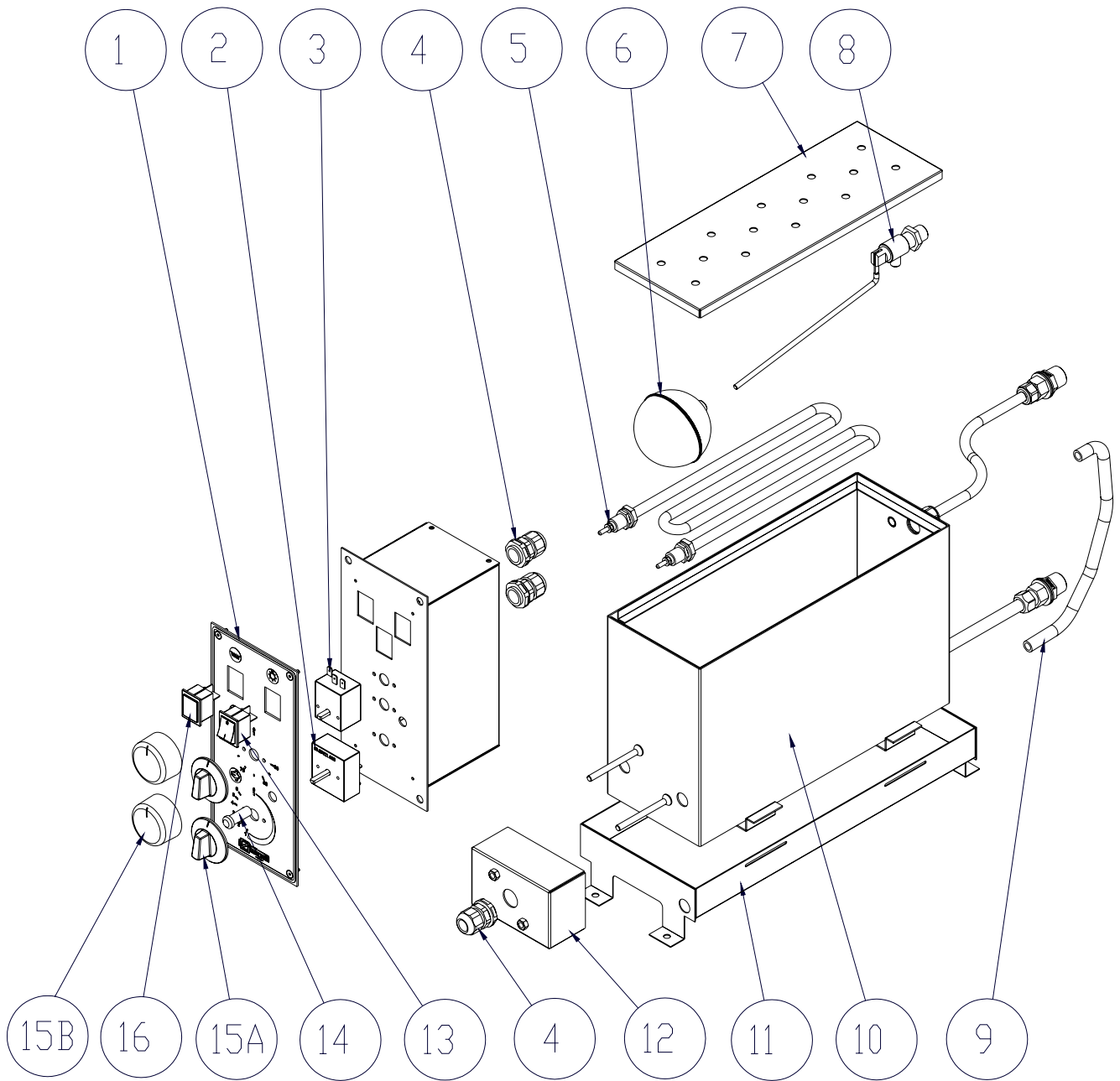


CHAMBER SPARE PARTS LIST

N°	Description	Codes			
		2 ST/CL 2 DL/CL	2S ST/CL 2S DL/CL	3 ST/CL 3 DL/CL	4 ST/CL 4 DL/CL
1	DOOR HINGE	CARP1495	CARP1495	CARP1495	CARP1495
2	CHAMBER KNOB	MANI0068	MANI0068	MANI0068	MANI0068
3	CHAMBERS BEARING	CUSC0023	CUSC0023	CUSC0023	CUSC0023
4	CHAMBER DOOR MAGNET	MECC0578	MECC0578	MECC0578	MECC0578
5	TROLLEY LEFT RAIL	CARP1590	CARP1590	CARP1590	CARP1591
6	CHAMBER RESISTANCE	RESI0008	RESI0008	RESI0005	RESI0005
7	TROLLEY RIGHT RAIL	CARP1589	CARP1589	CARP1589	CARP1588
8	FAIRLEAD PG21	ELET0091	ELET0091	ELET0091	ELET0091
9A	THERMOSTAT KNOB (T POLIS PW DL)	MANI0081	MANI0081	MANI0081	MANI0081
9B	THERMOSTAT KNOB (T POLIS PW ST, CITIZEN PW GAS)	MANI0021	MANI0021	MANI0021	MANI0021
10	GREEN LIGHT LAMP	LAMP0006	LAMP0006	LAMP0006	LAMP0006
11	PROOFING CABINET ADHESIVE MEMBRANE (T POLIS PW ST, CITIZEN PW GAS)	PANN0331	PANN0331	PANN0331	PANN0331
	PROOFING CABINET CONTROL PANEL (T POLIS PW DL)	PANN0335	PANN0335	PANN0335	PANN0335
12	BIP LIGHTING YELLOW SWITCH 0-1	INTE0009	INTE0009	INTE0009	INTE0009
13	THERMOSTAT 0-90° CHAMBERS	TERM0002	TERM0002	TERM0002	TERM0002
14	FAIRLEAD PG13.5	ELET0090	ELET0090	ELET0090	ELET0090
15	NEUTRAL CHAMBER ADHESIVE MEMBRANE (T POLIS PW ST, CITIZEN PW GAS)	PANN0360	PANN0360	PANN0360	PANN0360
	NEUTRAL CHAMBER CONTROL PANEL (T POLIS PW DL)	PANN0334	PANN0334	PANN0334	PANN0334
16	REAR WHEEL WITHOUT BRAKE	RUOT0016	RUOT0016	RUOT0016	RUOT0016
17	FRONT WHEEL WITH BRAKE	RUOT0001	RUOT0001	RUOT0001	RUOT0001
18	CHAMBER STYLO OVERHEAD LIGHT	LAMP0048	LAMP0048	LAMP0048	LAMP0048
19	TROLLEY (CHAMBER H=600)	-	-	-	-
	TROLLEY (CHAMBER H=700)	CARR0052	CARR0052	CARR0052	CARR0051
	TROLLEY (CHAMBER H=940)	CARR0053	CARR0053	CARR0053	CARR0050
20	RIGHT DOOR (CHAMBER H=600)	-	-	-	-
	RIGHT DOOR (CHAMBER H=700)	PORT0332	PORT0361	PORT0333	PORT0332
	RIGHT DOOR (CHAMBER H=940)	PORT0331	PORT0358	PORT0334	PORT0331
21	LEFT DOOR (CHAMBER H=600)	-	-	-	-
	LEFT DOOR (CHAMBER H=700)	PORT0338	PORT0360	PORT0336	PORT0338
	LEFT DOOR (CHAMBER H=940)	PORT0337	PORT0359	PORT0335	PORT0337

N°	Description	Codes		
		6 ST/CL 6 DL/CL	8 ST/CL 8 DL/CL	6/9 GAS/CL
1	DOOR HINGE	CARP1495	CARP1495	CARP1495
2	CHAMBER KNOB	MANI0068	MANI0068	MANI0068
3	CHAMBERS BEARING	CUSC0023	CUSC0023	CUSC0023
4	CHAMBER DOOR MAGNET	MECC0578	MECC0578	MECC0578
5	TROLLEY LEFT RAIL	CARP1591	CARP1591	CARP1590
6	CHAMBER RESISTANCE	RESI0005	RESI0005	RESI0005
7	TROLLEY RIGHT RAIL	CARP1588	CARP1588	CARP1589
8	FAIRLEAD PG21	ELET0091	ELET0091	ELET0091
9A	THERMOSTAT KNOB (T POLIS PW DL)	MANI0081	MANI0081	-
9B	THERMOSTAT KNOB (T POLIS PW ST, CITIZEN PW GAS)	MANI0021	MANI0021	MANI0021
10	GREEN LIGHT LAMP	LAMP0006	LAMP0006	LAMP0006
11	PROOFING CABINET ADHESIVE MEMBRANE (T POLIS PW ST, CITIZEN PW GAS)	PANN0331	PANN0331	PANN0331
	PROOFING CABINET CONTROL PANEL (T POLIS PW DL)	PANN0335	PANN0335	-
12	BIP LIGHTING YELLOW SWITCH 0-1	INTE0009	INTE0009	INTE0009
13	THERMOSTAT 0-90° CHAMBERS	TERM0002	TERM0002	TERM0002
14	FAIRLEAD PG13.5	ELET0090	ELET0090	ELET0090
15	NEUTRAL CHAMBER ADHESIVE MEMBRANE (T POLIS PW ST, CITIZEN PW GAS)	PANN0360	PANN0360	PANN0360
	NEUTRAL CHAMBER CONTROL PANEL (T POLIS PW DL)	PANN0334	PANN0334	-
16	REAR WHEEL WITHOUT BRAKE	RUOT0016	RUOT0016	RUOT0027
17	FRONT WHEEL WITH BRAKE	RUOT0001	RUOT0001	RUOT0026
18	CHAMBER STYLO OVERHEAD LIGHT	LAMP0048	LAMP0048	LAMP0048
19	TROLLEY (CHAMBER H=600)	-	-	CARR0054
	TROLLEY (CHAMBER H=700)	CARR0051	CARR0051	-
	TROLLEY (CHAMBER H=940)	CARR0050	CARR0050	-
20	RIGHT DOOR (CHAMBER H=600)	-	-	PORT0339
	RIGHT DOOR (CHAMBER H=700)	PORT0333	PORT0333	-
	RIGHT DOOR (CHAMBER H=940)	PORT0334	PORT0334	-
21	LEFT DOOR (CHAMBER H=600)	-	-	PORT0340
	LEFT DOOR (CHAMBER H=700)	PORT0336	PORT0336	-
	LEFT DOOR (CHAMBER H=940)	PORT0335	PORT0335	-

HUMIDIFIER GROUP EXPLODED VIEW



HUMIDIFIER GROUP SPARE PARTS LIST

N°	Description	Codes	
		T POLIS PW 2/2S/3/4/6/8	CITIZEN PW 6/9 GAS
1	PROOFING AND HUMIDITY CABINET ADHESIVE MEMBRANE (T POLIS PW ST, CITIZEN PW GAS)	PANN0332	PANN0332
	PROOFING AND HUMIDITY CABINET CONTROL PANEL (T POLIS PW DL)	PANN0336	-
2	ENERGY REGULATOR	TERM0050	TERM0050
3	THERMOSTAT 0-90° CHAMBER	TERM0002	TERM0002
4	FAIRLEAD PG13.5	ELET0090	ELET0090
5	CHAMBER HUMIDIFIER RESISTANCE	RESI0016	RESI0016
6	HUMIDIFIER BALL FOR FLOATING	GASI0011	GASI0011
7	LID	CAR1704	CAR1704
8	HUMIDIFIER FLOATING BAR 3/8"	GASI0013	GASI0013
9	SILICONE PIPE	GUAR0035	GUAR0035
10	HUMIDIFIER TANK	CARP1706	CARP1706
11	HUMIDIFIER DRAINING TANK	CARP1703	CARP1703
12	CONNECTION LID HUMIDIFIER'S RESISTANCE	CARP1705	CARP1705
13	BIP LIGHTING YELLOW SWITCH 0-1	INTE0009	INTE0009
14	GREEN ROUND LIGHT LAMP	LAMP0007	LAMP0007
15A	ENERGY REGULATOR / THERMOSTAT KNOB (T POLIS PW ST, CITIZEN PW GAS)	MANI0021	MANI0021
15B	ENERGY REGULATOR / THERMOSTAT KNOB (T POLIS PW DL)	MANI0081	MANI0081
16	GREEN LIGHT LAMP	LAMP0006	LAMP0006



Source separation for recycling. This product must not be disposed of together with normal domestic waste. Depending on local standards and conditions, services for collecting separated waste may be available at centers provided by the local council.

9 Declaration of conformity



DECLARATION OF CONFORMITY

We: Dr. ZANOLLI s.r.l. via Casa Quindici, 22
37066 Caselle di Sommacampagna VR
declare under our sole responsibility that the equipment:

Manufactured by Dr. ZANOLLI s.r.l.

Model

Serial number

Year of construction

is in conformity with the following European Directives:

- Electromagnetic Compatibility Directive 2004/108/CE
- Low Tension Directive 2006/95/CE

and with the compulsory regulations of the Directives.

Caselle di Sommacampagna

Dr. Zanolli s.r.l.
Tester

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