lamber

POT-WASHING MACHINES

PT850M-ek
PT1500M-ek

INSTRUCTIONS MANUAL

CE

r01-2008

INTRODUCTION AND SAFETY NORMS — ENGLISH

INTRODUCTION

- **The machines are Industrial pot-washing machines.**
- The machine is in conformity to the **European Norms 89/336/CEE** for the radio noises.
- According to EEC directive nr.23 of 19/02/1973 and the law of actuation nr.791 of 18/10/1987, our appliances are buil-up according to the good technique norms in force in Italy and abroad.
- Noise level of the machine, less than 70 dB(A).

PRELIMINARY OBSERVATION

Carefully read the instructions reported in the present user manual, as it gives important indications about safety of installation, operation and maintenance:

- **carefully keep the present manual for further consultations;**
- the illustrations and drawings showing the machine are intended for general reference only and are not necessarily accurate in every particular;
- the dimensions and characteristics of the machine, given in this Manual, are not to be considered binding and may be changed without prior notice;
- having removed the packing material, check that all the equipment is present. If there is any doubt, do not use it and contact qualified personnel. The packing elements (plastic bags, nails, etc.) should be kept away from children, because they are dangerous.

GENERAL SAFETY REGULATIONS

THIS SAFETY CODE HAS BEEN COMPILED IN YOUR INTEREST. Strict adherence to these rules will reduce the risks of injury both to yourself and to others;
Personnel working with this machine must adhere strictly to all statutory safety regulations as well as the specific rules listed below. Failure to do so may result in personal inyury and damage to the machine;

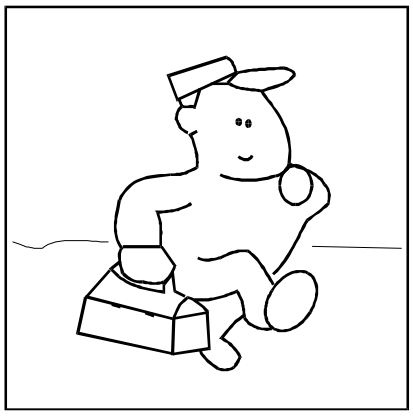
- DO NOT attempt to move, install, set-up or operate this machine until you have read and fully understood this Manual. If doubt persists, ask your supervisor;
- never leave tools, parts or other loose material on or in the machine;
- Before switching the equipment the equipment on, make sure that the model plate data conforms to that of the electrical and water distribution network;
- remember that even with the mains isolator in the “OFF” position, the incoming cables are still live;
- BEFORE starting machine o cycle, after any maintenance or repair work, make sure all protective are correctly installed;
- be vigilant at all times, remember that your safety and that of your fellow workers depend on you;
- when moving or lifting the machine, care must be taken to comply with all the relevant regulations governing such operations;
- installation should be carried out by qualified personnel according to the manufacturer's instructions.
- this equipment should be destined to the use which it has been conceived for. Any other application should be considered improper and consequently dangerous;
- the equipment should only be used by personnel trained for its use;

SPECIAL SAFETY REGULATIONS

- adjustement and repairs must be carried out only by personnel qualified. Repair carried out by unskilled personnel may be dangerous;
- perfect washing-up results as far as hygiene concerns and a correct operation of the washing machine can be assured only in case the instructions reported in the present handbook are carefully followed;
- the machine must be only used by authorized personnel which must comply with sanitary measures;
- do not leave the machine in environment with temperatures inferior to 0°C;
- the machine protection degree is IP21, therefore it should not be washed with direct high pressure jets of water;

INSTRUCTIONS FOR THE INSTALLER

The following instructions are addressed to a qualified personnel, the only one authorised to carry-out checks and repair, if any.
The Manufacturer declines any responsibility in the case of interventions made by a non qualified personnel.



2

ENGLISH

Second Section - FOR THE INSTALLER

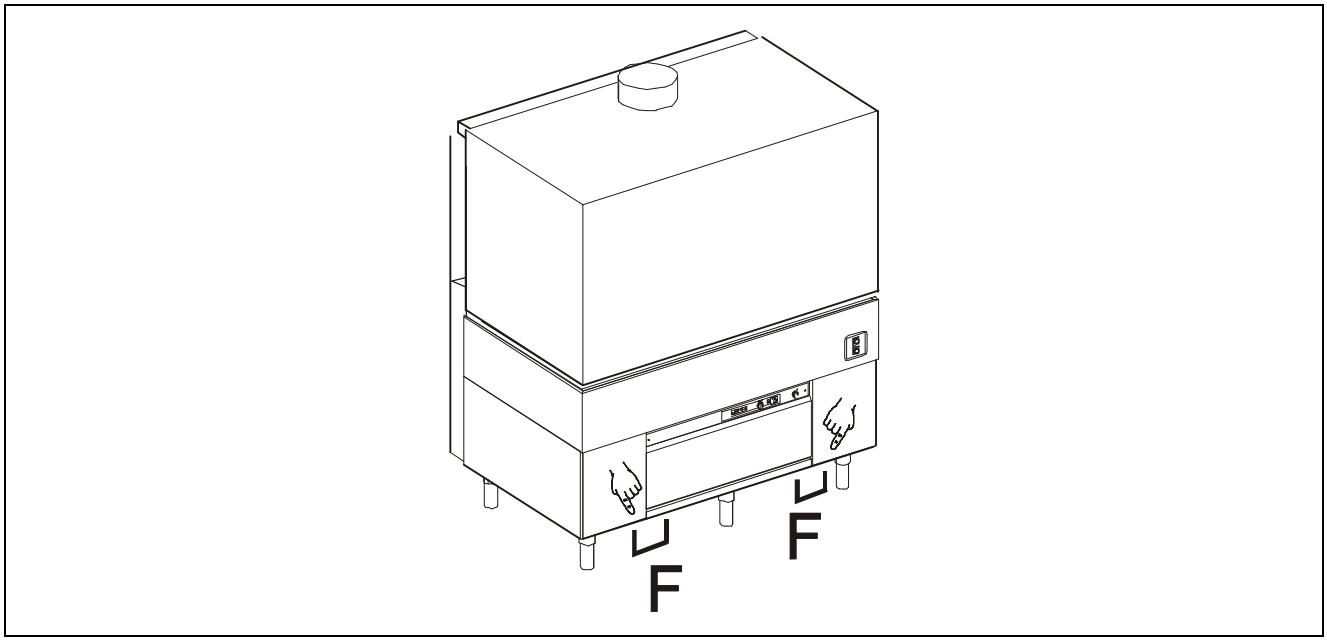
UNPACKING AND DELIVERY CHECKS

When the case with the machine has been received, unpack it as follows:

- Remove the upper cover and the wooden case side walls, take care not to damage the machine,
- Remove possible accessories boxes,
- Remove the protecting cellophane,
- Make sure that the machine has not been damaged during transport,
- Make sure that all covers and panels have been correctly fixed and that no loosen part is present,
- Visually inspect that all electrical components are integral.

TRANSPORT AND INSTALLATION

- To lift and transport the machine, insert the truck forks under the frame connected to the points indicated by the yellow adhesives applied on the machine front side (see draw below).



draw "A"

- Before plugging the machine, make sure that the supply voltage of the domestic wiring system and the water supply from water connection corresponds to the ones reported on the rating plate
- Installation should be carried out by qualified personnel according to the manufacturer's indications

During instalation, it is recommended to level the machine in order to ensure a correct operation.

The Manufacturer cannot assume any responsability for any damage to persons or property deriving from the non-observance of the above-specified norms.

For correct installation see draw page 13-14.

ELECTRICAL CONNECTION

Before connecting the machine, check to make sure the voltage outlet of the mains is the same as the voltage specified on the data plate of the machine.

A main switch must be installed between the mains and the machine. This safety measure also requires that the minimum distance between the switch contacts is at least 3 mm and the disconnection on all poles according to **EN 60204 (VDE 113)**.

Fuses on the main switch must be **20 A.**

The mains must be wired to be able to handle the current drawn by the machine.The system must also be provided with a proper ground lead in accordance with the existings norms. The electric cable must be of the following type **H07RN-F**.

For the right choice of the cross section area refer to the following table:

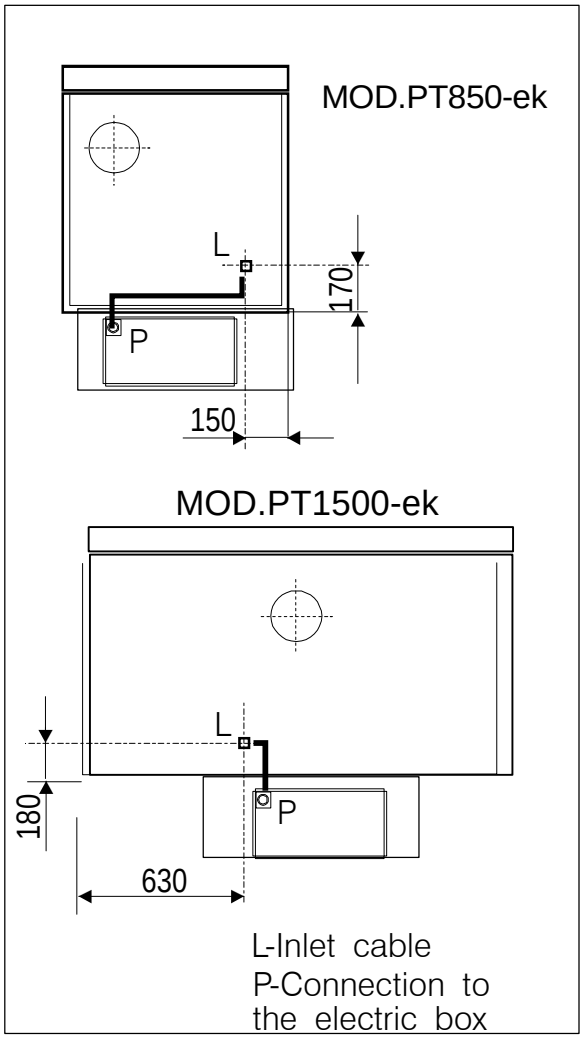
mod.	**Volt**	total power **(kW)**	Current intensity max **(A)**	Cable **(mm²)**
PT850-ek	400/3			
	electric	13	20	2,5
	steam	4	8	2,5
PT1500-ek	400/3			
	electric	26	38	10
	steam	6	12	2,5

The electrical safety of this equipment is only assured if it is connected as follows.

It is necessary to connect the equipment to an effective ground installation, as specified by the electrical safety regulations in force.
Chack that this basic requirement is complied with and, in case of doubt, ask for a careful check of the installation by a qualified personal.

In addition, the equipment shall be part of an equipotential system, the effectiveness of which should be checked according to the regulations in force.

The connection should be made at the screw marked by the respective label located on the equipment back side ( ).



THE MACHINE SHALL BE CONNECTED WITH AN EFFECTIVE GROUND CLAMP.

The manufacturer declines any responsibility for any damages caused by lack of an effective ground installation.

WATER CONNECTIONS

Carefully comply with any national or regional regulations in force.

Water installation must have the following characteristics:

Temperature: 55°C

Dynamic Pressure 2 ÷ 4 bar
(200÷400 kPa).

If the dynamic pressure is lower than 2 bar, it is advisable to install a Pump for pressure
increase. If the dynamic pressure is higher than 4 bar, it is advisable to install a pressure reduction.

Hardness: between **7,2 and 12,5 °French**.

If the hardness values are higher than those mentioned above, it is advisable to install a
water-softener.

TEMPERATURES

Water temperature 55°-60°C

Rinse temperature 80°-85°C

DO NOT TAMPER WITH THE THERMOSTAT CALIBRATION

ATTENTION !
At the first test , be sure the boiler is full of water, make four (n.4) one minute complete cycles (**WASHING** + **RINSING**).

WATER DRAIN

Reachable from the machine front side after opening the front panel (to do this turn the two front screws out);

Arrange a discharge at floor level provided with siphon and connect to the floor drain by means of a hose provided with an adequate inclination. Make sure the drain hose is not choked in any way.
Make sure the drain hose is resistant to a temperature of 70 °C.

Carefully comply with any national or regional regulations in force.

STEAM FEEDING *

As far as steam feeding is concerned, connect to the machine fittings indicated in the installation drawings. In order to make the equipment independent from the general steam distribution network, it is necessary to use gate and 1" gas on/off valves.
This type of feeding should be supplied at a pressure ranging from 1bar (100°C) to 2bar (121°C).
The steam used should be absolutely saturated and dry.

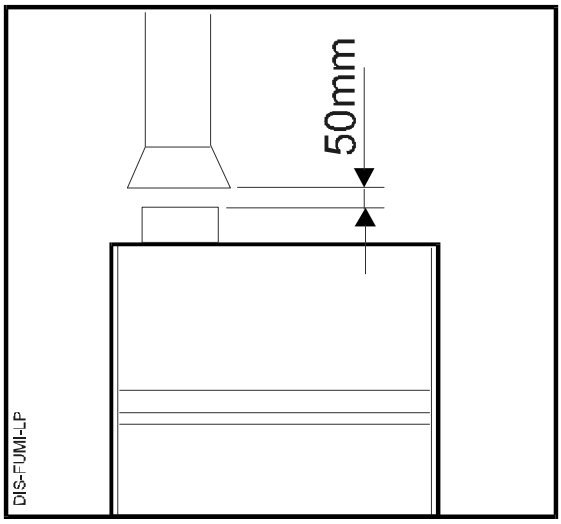
STEAM EXHAUST *

The condensed steam exhaust shall have an appropriate slope toward the recovery installation or a blow-by pump, in order to guarantee an autonomous scavenging of the condensed steam.

* for steam machines only

VAPOUR EXHAUST *

During washing and rinsing cycles, vapours come out of the upper chimney.
To convey these vapours, connect with the cap as showed in the drawing.



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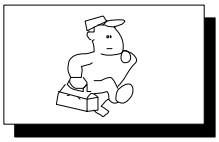
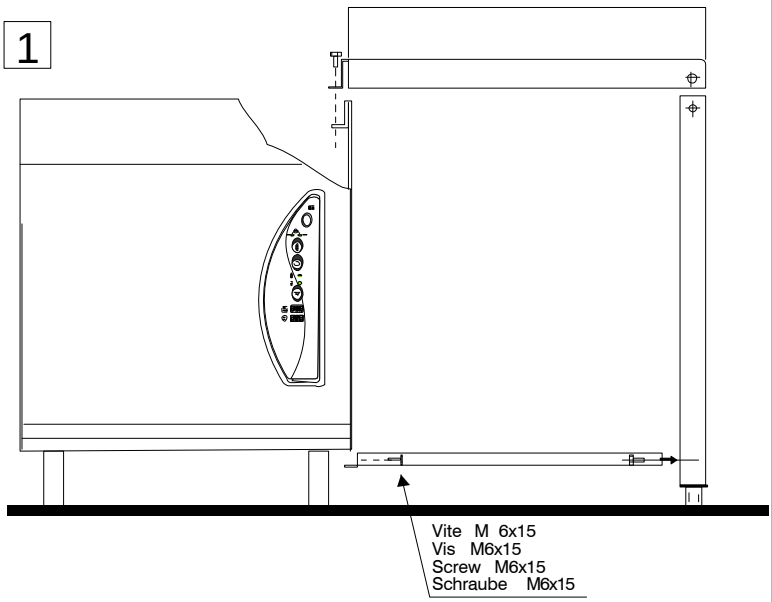
TABLES FITTING PLAN

mod.PT850-ek



The machine is endowed with tables for baskets on request.
The fitting plan in on the draw N.°1.

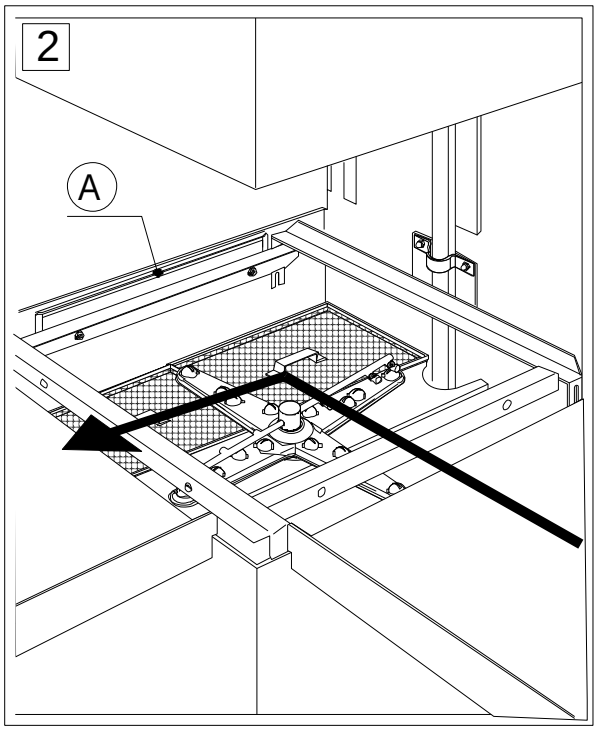
1



Corner version

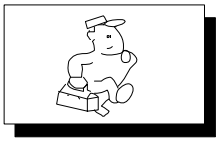
For corner version machines to assembly the Stop/basket "A" as show on the draw 2 .

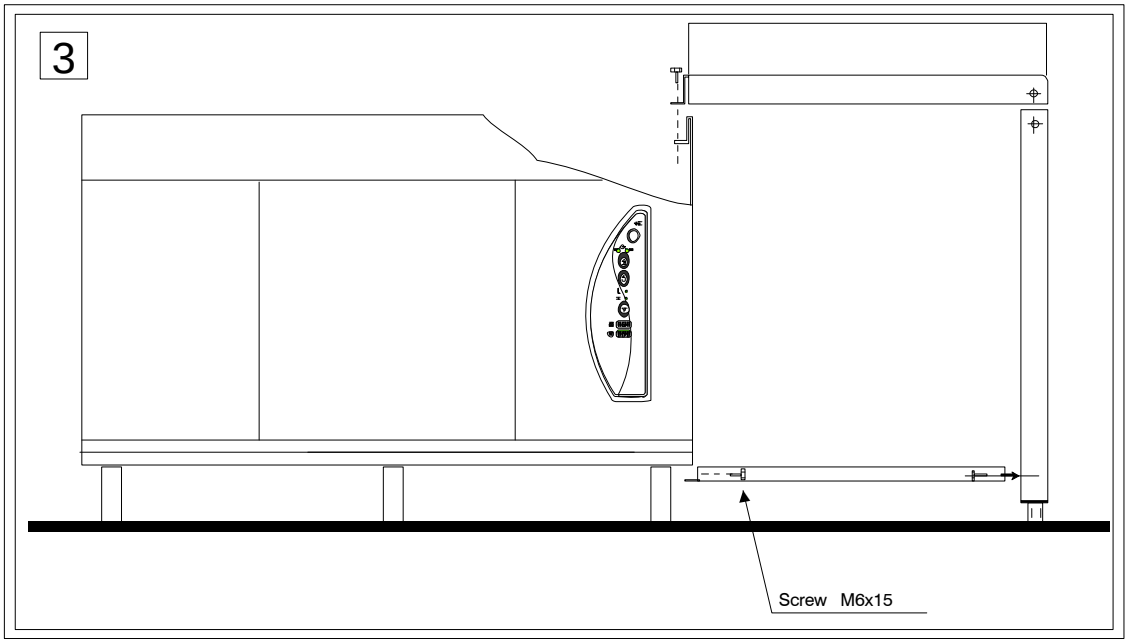
2



MENSP85-ek

TABLES FITTING PLAN mod. PT1500-ek





The machine is endowed with tables for baskets on request.
The fitting plan in on the draw N.°3.

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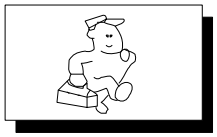
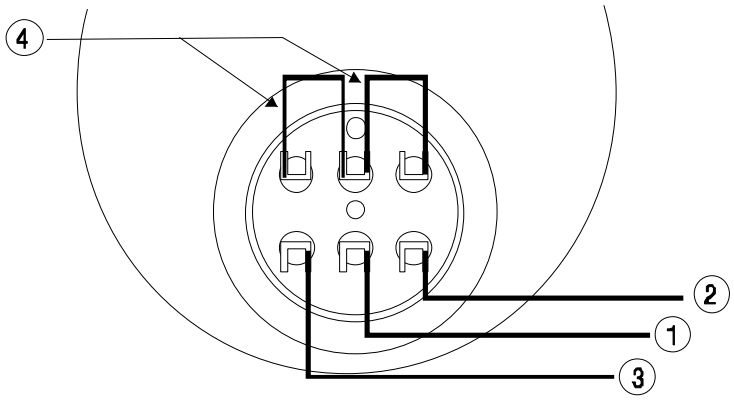
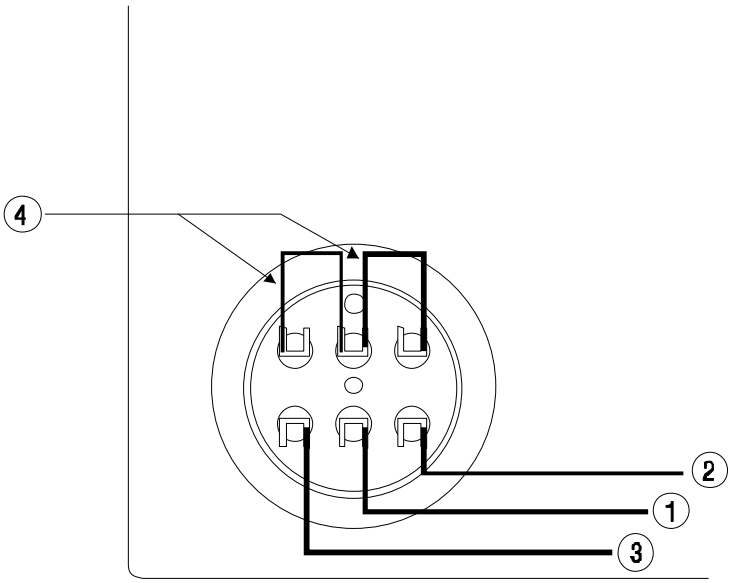
CONNECTIONS SCHEME





BOILER Elements

1. Black
2. Black
3. Black
4. Staples



TANK Elements

1. Black
2. Black
3. Black
4. Staples

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A LIST OF DRAWBACKS POSSIBLY OCCURRING WITH THE USE OF THE POT-WASHING MACHINE, THEIR CAUSES AND POSSIBLE REMEDIES

DRAWBACK	*POSSIBLE CAUSES AND REMEDIES*
Lamp "C" does not turn on	a) check that the wall-mounting switch is ON and the respective fuses are not burnt. b) check that fuses FS1,FS2,FS3 of the transformer TR1 are not burnt.
Lamp "G" of overload cut-out devices turning ON.	a) check the overload cut outs of the individual remote switches and replace those disconnected. If this drawback occurs several times in the same device, it is suggested to increase the current rate through the graduated cursor. b) check that the power supply voltage is not subject to variations in excess of 6% of the nominal value. c) check that the current drained by the motor does not exceed the rated values.
The tank does not fill up	a) check that pressure switch CP1,CP2 is not calibrated or out of service. b) check that the overflow is in the respective position. c) check that the overflow is in the respective position. d) check that the coil of the solenoid valve is not broken and that voltage is fed there to.

DRAWBACK	*POSSIBLE CAUSES AND REMEDIES*
The tank does not stop being filled upon reaching the desired level	a) check that the traps of the pressure switch has no porosities and the connection pipe is not disconnected. b) check that the pressure switch is in good conditions and is not calibrated. c) check that there is no dirty in the solenoid valve. This drawback can be noted because the machine continues to load water, whilst the main on/off switch is off.
Insufficient washing	a) check that the detergent is effective, is of the type recommended for industrial pot-washing machines, and it is proportioned for the right concentration. b) check that the detergent container, if installed,is not empty and operates correctly. c) check that the jets of the washing swivels are not clogged. If necessary, clean them. d) check that the tank temperature is the specified one. e) one or several pumps don't operate, in this case check that: - the overload cut-out did not switch the pump in question and, if necessary, restore it (this drawback is displayed by lamp "G" turning ON). - the coil of the respective remote swirch is not broken. - the pump is not blocked or rotates in the reverse direction.

DRAWBACK	*POSSIBLE CAUSES AND REMEDIES*
Tank temperature insufficient	a) check that the thermostat is not faulty or not calibrated. b) check that the temperature of the feeding water is in the range from 50°-0/10°C, as specified. c) check that the thermostat is set to the right temperature and operates correctly. d) check that the coil of the remote switch relevant to the tank resistor is not broken (this applies to electric heating machines only). e) check that the heater element is effective.
Insufficient rinsing	Prior to checking the rinsing system make sure that the washing system operates correctly, as a matter of fact an effective rinsing also depends on a correct washing. Having ascertained that washing takes place correctly, check that: a) the dynamic pressure of the feeding water is not less than 2 bar (200 kPa). b) the jets are not clogged by calcareous residuals. c) solenoid valve EV4 and EV5 operate correctly. d) the water inlet filter is not clogged. e) the booster is not scaled to such an extent as to limit the water flow rate.
Insufficient rinsing temperature	a) the thermometer is broken or not calibrated. b) the temperature of the feeding water is in range from 55° to 65°C, as specified. c) the dynamic pressure of the feeding water does not exceed 2 bar (200 kPa).

DRAWBACK *POSSIBLE CAUSES AND REMEDIES*

If the drawback is not due to any of the causes listed here above, proceed as follows:

In the case of electrical heating machines

1) check that the coil of remote switch MT3 is not broken.

2) check that the safety thermostat MT4 did not trigger.

3) check all elements of boiler heater R1.

In the case of steam heating machines

1) check that the steam inlet gate is open and is present at a pressure not less than 0,5 bar (50 kPa).

2) check that the condensed steam drainage filter is not clogged.

3) check that the steam solenoid valve EV7 operates correctly.

4) check that the inlet steam filter is not clogged to such an extent as to prevent the normal flow rate.

5) check that the condensed steam outlet pipe can freely drain by drop.

6) check that the pipe coil is not scaled to such an extent as to limit heat exchange thereof.

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SCHEDA ELETTRONICA ▪ FICHE ELECTRONIQUE
P.C.BOARD ▪ ELEKTRONISCHE STEURUNG

	filo/fil/wire/draht	ITA	FRA	ENG	DEU
FA1	43	ELETTROPOMPA LAVAGGIO INFERIORE	POMPE LAVAGE INFERIEUR	LOWER WASHING PUMP	UNTERER WASCHUNG PUMPE
FA2	36	PRE-RISCIACQUO	PRE-RINÇAGE	PRE-RINSING	VOR-SPÜLUNG
FA3	34	ELETTROPOMPA LAVAGGIO SUPERIORE	POMPE LAVAGE SUPERIEUR	UPPER WASHING PUMP	OBERER WASCHUNG PUMPE
FA4	35	ELETTROPOMPA RISCIACQUO	POMPE RINÇAGE	RINSING PUMP	SPÜLUNG PUMPE
FA5	6	FASE	PHASE	PHASE	PHASE
FA6	8	NEUTRO	NEUTRE	NEUTRAL	UNGELADEN
FA7	11	LIVELLO PRESSOSTATO	NIVEAU PRESSOSTAT	PRESSOSTAT LEVEL	DRUCKWÄCHTER
FA8	26	RISCALDAMENTO ACQUA VASCA	RECHAUFFAGE EAU	TEMPERATURE (THERMOSTAT)	TEMPERATURE (THERMOSTAT)
FA10	32	MICRO PORTA	MICRO PORTE	DOOR MICRO-SWITCH	ENDSCHALTER
FA11	31	RISCALDAMENTO BOILER	CHAUFFAGE SURCHAUFFEUR	THERMOCONTROL	THERMOCONTROL
FA10-FA11-FA15	30	SICUREZZA	SURETE	SECURITY	HAUBE-SICHERHEIT

FUNZIONE CICLO
FONCTION CYCLE
CYCLE FUNCTION
ABLAUFSAUFGABE

CICLO MANUALE
CYCLE MANUEL
MANUAL CYCLE
HANDABLAUF
1

ON 1 2 3 4

CICLO AUTOMATICO
CYCLE AUTOMATIQUE
AUTOMATIC CYCLE
SELBSTTÄTIGER

ON 1 2 3 4

- TABELLA SELEZIONE TEMPI DI PRE-RISCIACQUO
- TABLEAU SELECTION TEMPS DE PRE-RINÇAGE
- PRE-RINSE TIME SELECTION TABLE
- AUSWAHLSTAFEL FÜR VORSPÜLUNGSZEIT

2

DIP	
ON 1 2 3 4	15”
ON 1 2 3 4	20”

- TABELLA SELEZIONE TEMPI DI LAVAGGIO
- TABLEAU SELECTION TEMPS DE LAVAGE
- WASH TIME SELECTION TABLE
- AUSWAHLSTAFEL FÜR SPÜLUNGSZEIT

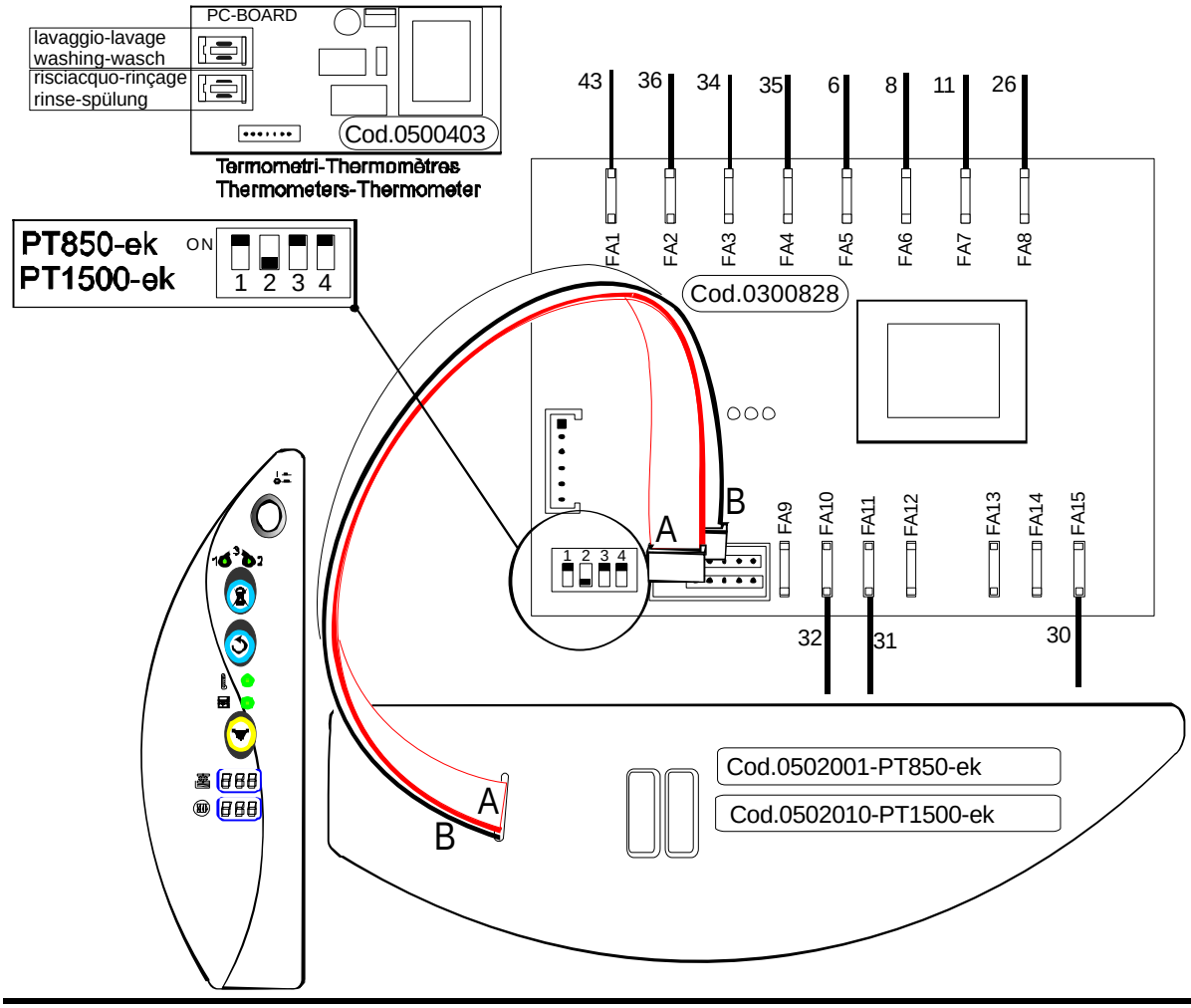
3

DIP	LED1=ON	LED2=ON	LED1+2=ON
ON 1 2 3 4	120”	180”	240”
ON 1 2 3 4	180”	300”	420”

- TABELLA SELEZIONE TEMPI DI RISCIACQUO
- TABLEAU SELECTION TEMPS DE RINÇAGE
- RINSE TIME SELECTION TABLE
- AUSWAHLSTAFEL FÜR SPÜLUNGSZEIT

4

DIP	
ON 1 2 3 4	25”
ON 1 2 3 4	20”



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LEGENDA SCHEMA ELETTRICO

LEGENDE SCHEMA ELECTRIQUE

WIRING DIAGRAM LEGEND

ELEKTROSCHALTSCHEMA

PT- LP (PT 850ek - PT1500ek)

(LP6ek-LP8ek-LP31ek-LP38ek)

IN1	Interruttore generale Main switch	Intérrupteur général Hauptschalter
Ad 1..3	Filtri antidisturbo Suppressors	Filtres ante-ennui Entstörfilter
CP1-CP2	Pressostato Pressure switch	Pressostat Druckwächter
LS1	Lampada spia di linea Main switch lamp	Lampe de ligne Netzkontrollampe
LS2	Lampada temperatura Temperature lamp	Lampe température Temperaturkontrollampe
LS3	Lampada spia livello vasca e ciclo Cycle lamp	Lampe de cycle Zykluskontrollampe
LS4	Lampada spia termica salvamotori Motor protection indicator lamp	Lampe témoin thermiques protection Kontrollampe Motorschutz ausgelöst
CT1	Termostato di sicurezza Security thermostat	Thermostat de sureté Schützthermostat
CT2	Termostato boiler Boiler thermostat	Thermostat surchauffeur Boilerthermostat
CT3	Termostato vasca Tank thermostat	Thermostat cuve Tankthermostat
CT4	Termostato di sicurezza 2 Security thermostat 2	Thermostat de sureté 2 Schützthermostat 2
CT5	Termostato boiler 2 Boiler thermostat 2	Thermostat surchauffeur 2 Boilerthermostat 2
R1	Resistenza boiler Boiler elements	Résistance surchauffeur Boilerheizung
R2	Resistenza vasca Tank elements	Résistance cuve Tankheizung
R3	Resistenza boiler 2 Boiler elements 2	Rèsistance surchauffeur 2 Boilerheizung 2
M2	Elettropompa lavaggio superiore Upper washing-pump	Electropompe lavage supérieur Waschpumpenmotor
M3	Elettropompa lavaggio inferiore Lower washing-pump	Electropompe lavage inférieur Waschpumpenmotor

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LEGENDA SCHEMA ELETTRICO
LEGENDE SCHEMA ELECTRIQUE
WIRING DIAGRAM LEGEND
ELEKTROSCHALTSCHEMA

PT- LP

(PT 850ek - PT1500ek)

(LP6ek-LP8ek-LP31ek-LP38ek)

M4	Elettropompa risciacquo Rinsing pump	Pompe rinçage Nachspülpumpenmotor
M5	Elettropompa lavaggio superiore 2 Upper wasching-pump 2	Electropompe lavage sup. 2 Waschpumpenmotor 2
M6	Elettropompa lavaggio inferiore 2 Lower wasching-pump 2	Electropompe lavage inf. 2 Waschpumpenmotor 2
FS1...FS3	Fusibili Fuses	Fusibles Sicherungen
TR1	Trasformatore Transformer	Transformateur Transformator
SL1	Selettori tempo lavaggio Selectors	Selecteurs temps lavage Selektor der Reinigungszeit
T1	Timer Timer	Timer Timer
FC1..FC3	Finecorsa Limit switch	Microinterrupteur Hauptschalter
FC4...FC5	Finecorsa meccanico Stop micro-switch	Fin de course Endschalter
EV3	Elettrovalvola carico Loading solenoid valve	Electrovanne chargement ElektrischesWassereinlaufventil
EV4	Elettrovalvola risciacquo Rinsing solenoid valve	Electrovanne rinçage Elektrisches Spülventil
EV5	Elettrovalvola prerisciacquo Prerinsing solenoid valve	Electrovanne prérinçage Elektrisches Vorspülventil
EV6	Elettrovalvola vapore boiler Boiler steam solenoid valve	Electrovanne vapeur surchauffeur Elektrisches-Dampf Boilerventil
EV7	Elettrovalvola vasca Tank solenoid valve	Electrovanne cuve Elektrisches Tankventil
EV8	Elettrovalvola livello acqua soll. Water level solenoid valve	Electrovanne niveau eau Elektrischesventil
RM1...RM6	Protezione termica Electric pump thermal	Protection thermique Motorschütz
IR1...ID1 **IR2...ID2**	Contatto temporizzato Time-contact	Concact temporisé Zeit-Schaltshutz
DD1	Dosatore di lavaggio Detergent pump	Doseur produit lavage Waschspülmitteldosiergerät

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LEGENDA SCHEMA ELETTRICO

LEGENDE SCHEMA ELECTRIQUE

WIRING DIAGRAM LEGEND

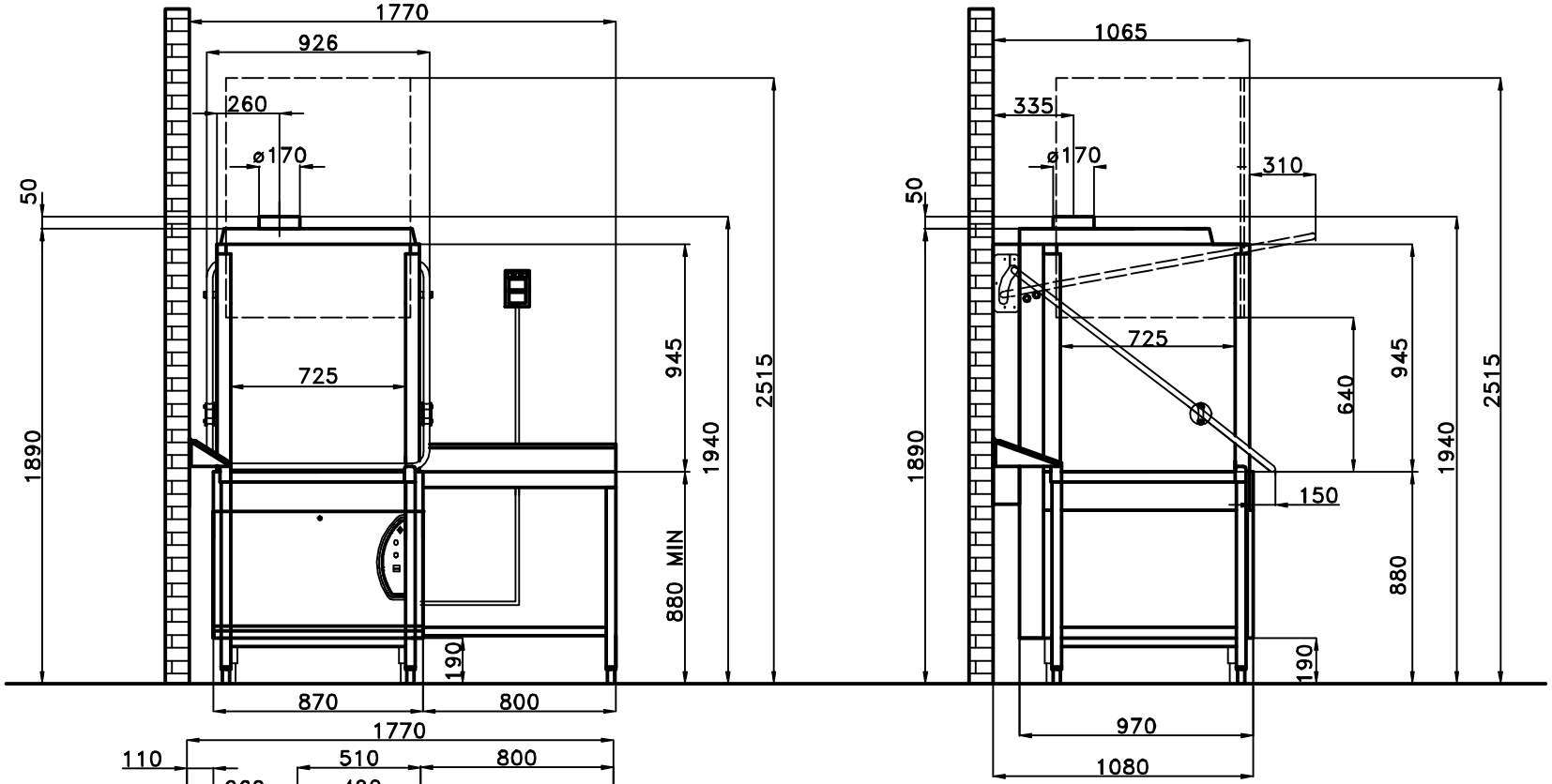
ELEKTROSCHALTSCHEMA

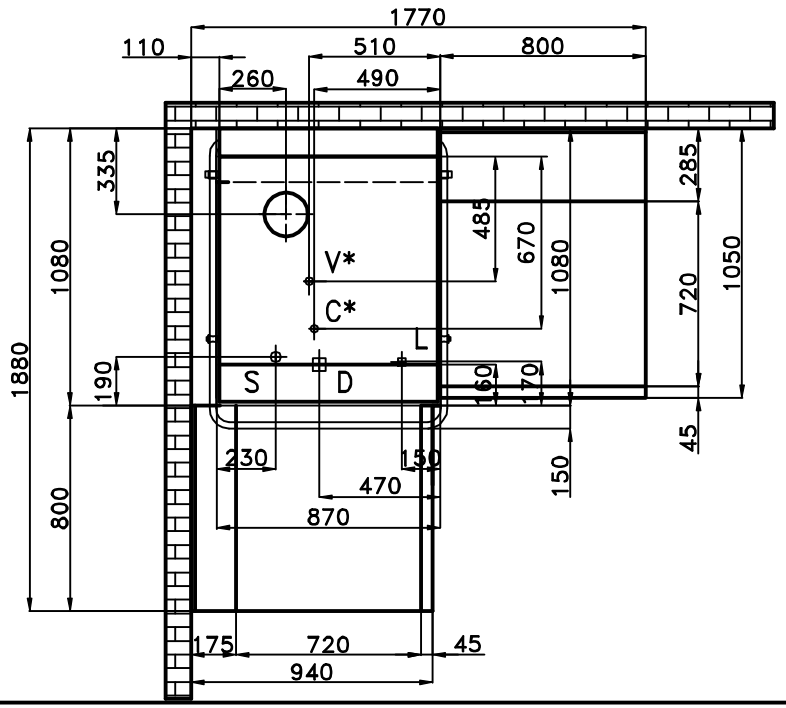
PT- LP

(PT 850ek - PT1500ek)

(LP6ek-LP8ek-LP31ek-LP38ek)

MT3	Contattore controllo livello Level control contactor	Contacteur control niveau Schütz für Niveaukontrolle
MT4	Contattore di sicurezza Security contactor	Contacteur de sureté Schütz
MT5	Contattore resistenza boiler Boiler elements contactor	Contacteur rés.surchauffeur Schütz für Boilerheizung
MT6	Contattore resistenza vasca Tank elements contactor	Contacteur résistance cuve Schütz für Tankheizung
MT7	Contattore pompa lavaggio superiore Upper washing-pump contactor	Contacteur pompe lavage sup Schütz Waschpumpenmotor
MT8	Contattore pompa lavaggio inferiore Lower washing-pump contactor	Contacteur pompe lavage inf Schütz Waschpumpenmotor
MT9	Contattore pompa risciacquo Rinsing pump contactor	Contacteur pompe rinçage SchützNachspülpumpenmotor
MT10	Contattore pompa lavaggio superiore 2 Upper wasching-pump contactor 2	Contacteur pompe lavage sup 2 Schütz Waschpumpenmotor 2
MT11	Contattore pompa lavaggio inferiore 2 Lower wasching-pump contactor 2	Contacteur pompe lavage inf 2 Schütz Waschpumpenmotor 2
MT12	Contattore di sicurezza 2 Security contactor 2	Contacteur de sureté 2 Schütz 2
MT13	Contattore resistenza boiler 2 Boiler elements contactor 2	Contacteur rés.surchauffeur 2 Schütz für Boilerheizung 2

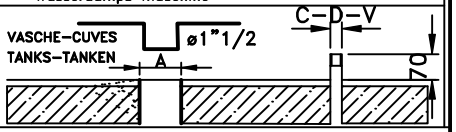




ALLACCIAMENTI – BRANCHEMENTS – CONNECTIONS – ANSCHLUSSE

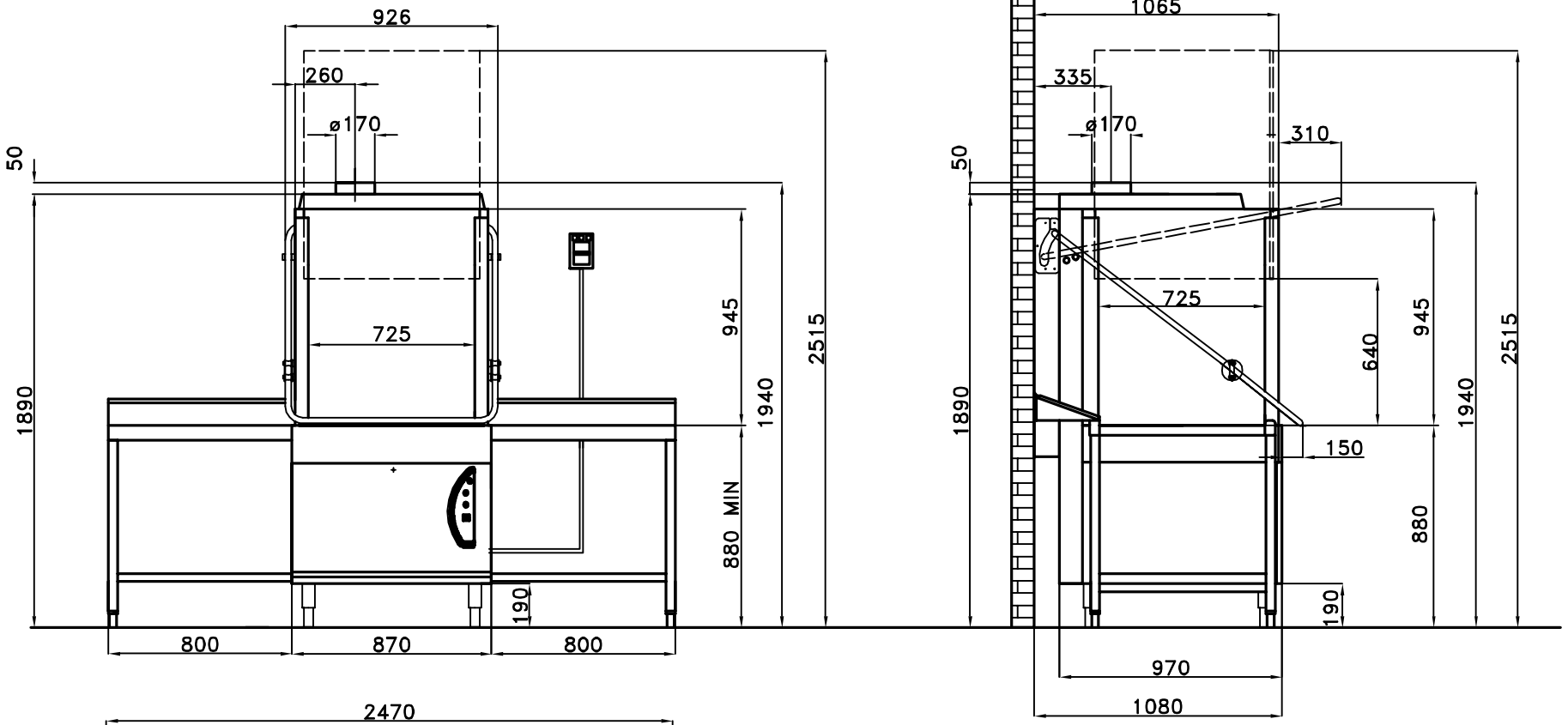
D	ENTRATA ACQUA CALDA – ARRIVEE EAU CHAUD HOT WATER INLET – WARMWASSERZULAUF 2–4 Bar 50°–60°C	ø 3/4" G
S	SCARICO ACQUA – EVACUATION EAU DRAIN – ABLAUF	ø1"1/2 G
L	LINEA ELETTRICA – BRANCHEMENT ELECTRIQUE ELECTRIC IMPUT – ELEKTROANSCHLUSS	400V3~50Hz
V*	ENTRATA VAPORE–ARRIVEE VAPEUR STEAM INLET–DAMPZULAUF 0.5/2 Bar	ø 1" G
C*	SCARICO CONDENSA–SORTIE VAPEUR STEAM OUTLET–DAMPFABLAUF	ø 3/4" G

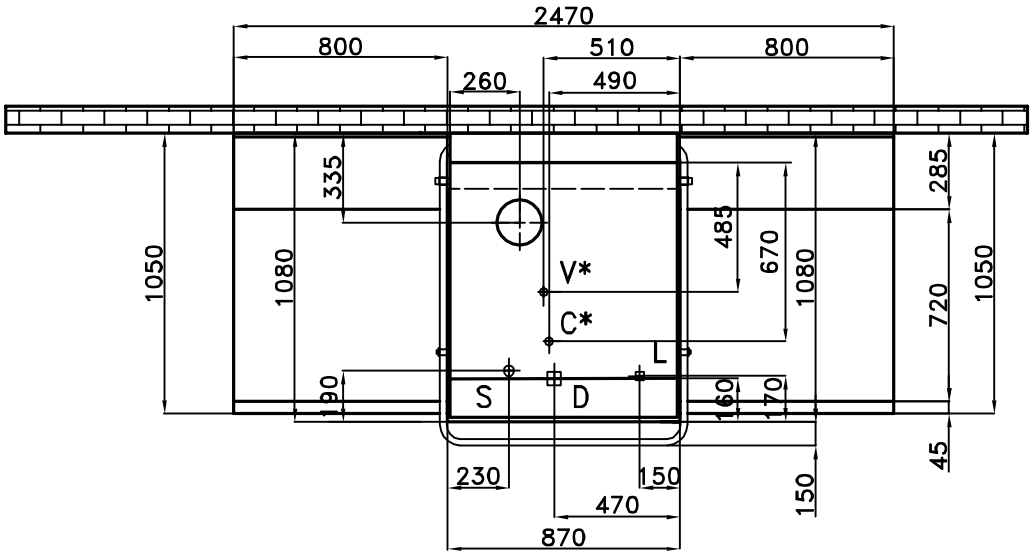
* Solo per macchine con riscaldamento a vapore
Seulement pour machines avec chauffage vapeur
For steam machines only
Wasserdamps maschine



lamber

MODELLO	PT 850–ek – vers. ANGOLO
SCALA	1:20
DATA	27/05/2003
FIRMA	Buttignol A.
NOTE	CESTO 700x700
N.DISEGNO	A–76/03





ALLACCIAMENTI – BRANCHEMENTS – CONNECTIONS – ANSCHLUSSE

D	ENTRATA ACQUA CALDA – ARRIVEE EAU CHAUD HOT WATER INLET – WARMWASSERZULAUF 2÷4 Bar 50°÷60°C	ø 3/4" G
S	SCARICO ACQUA – EVACUATION EAU DRAIN – ABLAUF	ø1"1/2 G
L	LINEA ELETTRICA – BRANCHEMENT ELECTRIQUE ELECTRIC IMPUT – ELEKTROANSCHLUSS	400V3~50Hz
V*	ENTRATA VAPORE–ARRIVEE VAPEUR STEAM INLET–DAMPZULAUF 0.5/2 Bar	ø 1" G
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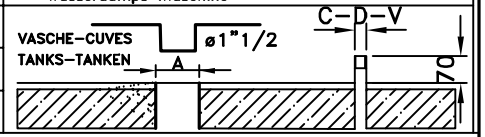
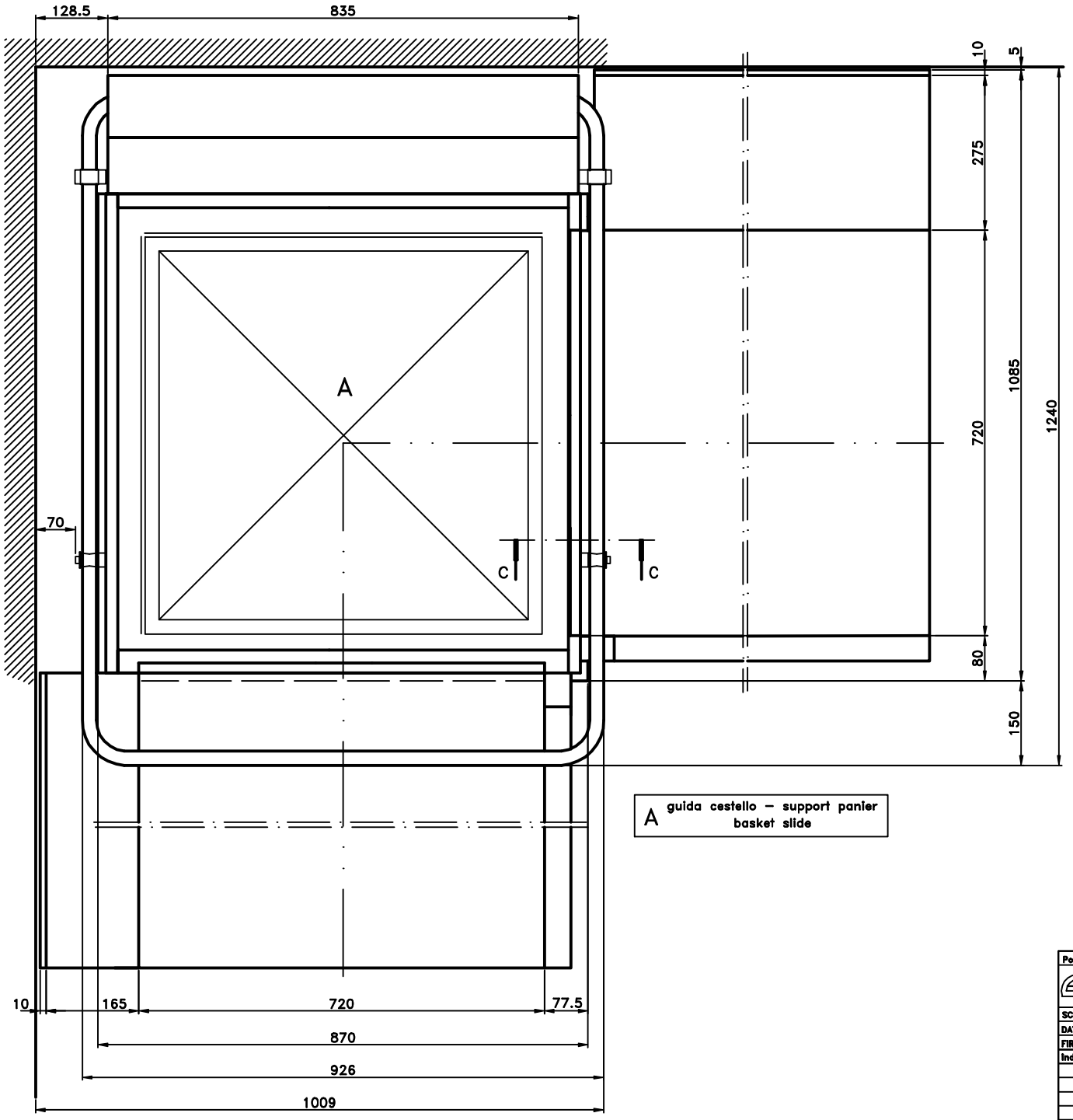
* Solo per macchine con riscaldamento a vapore
Seulement pour machines avec chauffage vapeur
For steam machines only
Wasserdamps maschine



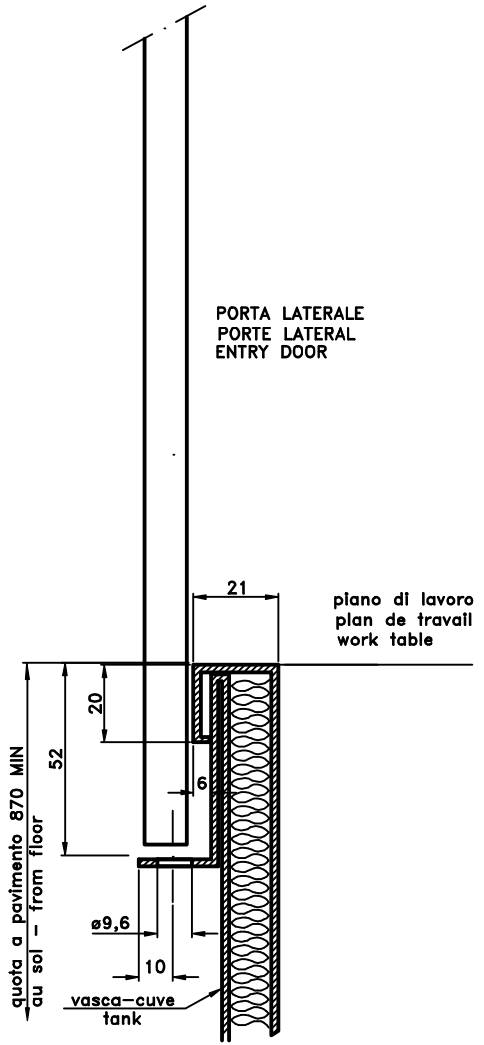
lamber

SCALA	1:20	MODELLO: PT 850–ek – vers. Lineare
DATA	27/05/2006	NOTE: CESTO 700x700
FIRMA	Buttignol A.	N.DISEGNO: A–76/06

Hospitality Equipment 2020 P/L Unit 6/6 Tennyson Street, Clyde, NSW, 2142 Tel.02 9637 3737 Fax.02 9637 3434 www.he2020.com.au



A guida cestello – support panier basket slide



Sez. C–C

work2/mensole

Pos.	N.Disegno	Q.ta	Denominazione	Materiale
lamber			DENOMINAZIONE SCHEMA AGGANCIO MENSOLE LP PASSAGGIO MAN. MOD. PT850	
SCALA 1:5–1:1			MATERIALE ACCIAIO INOX 18/10 AISI 304	
DATA 18/02/03			TRATTAMENTI	CODICE
FIRMA S.L.d.				

Ind.M	Descrizione Modifica	Data	LAVORAZIONE

N.DISEGNO 6935/03