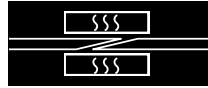


PM-1209/160W-B/458

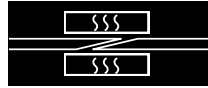
Heat press with water cooling





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0 Preface

Habasis thanks you for purchasing the

PM-1209/160W-B/458 press.

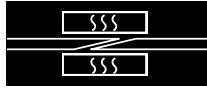
This press belongs to the press range called PM-09/160W.

If you handle your PM-1209/160A-B/458 press with care, it will guarantee joint reliability and quality for many years to come.

This document includes spare parts and product diagrams.



Observing the instructions in this manual lets you work during: handling, installation, use and maintenance phases in safe conditions while guaranteeing good machine working order and economies of scale. HABASIT Italiana S.p.A. is not liable for damages due to negligence or failure to observe these instructions.

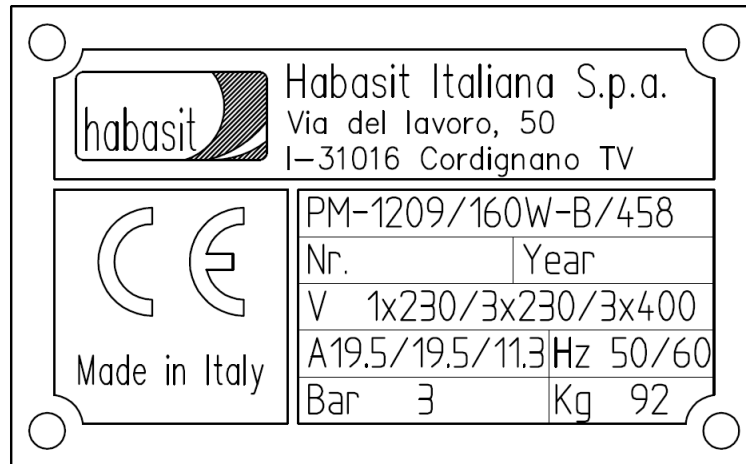


1 Machine identification data

Machine	Heat press
Type/Series	PM-1209/160W-B/458
Serial number	See EC identification plate
Year of construction	See EC identification plate

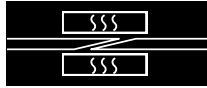
1.1 Identification plate and EC markings

The following identification plate was affixed to the press (FAC SIMILE):



This plate SHOULD NOT BE REMOVED for any reason. If damaged, please request a copy.

If necessary, the plate data must be communicated for service or spare parts.



DICHIARAZIONE DI CONFORMITÀ

DECLARATION OF CONFORMITY

2006/95/CE



Noi We

HABASIT ITALIANA S.p.A.
Via del Lavoro, 50
I - 31016 Cordignano (TV) - ITALY

dichiariamo sotto la nostra esclusiva responsabilità *declare under our sole responsibility*
che l'apparecchiatura tipo: *that the device type:*

Pressa a caldo Hot press

Modello: *Series:*

PM-1209/160W-B/458

Matricola: *Serial Number:*

è conforme alle seguenti direttive: *is in conformance with the following directives:*

2006/95/CE

Direttiva Bassa Tensione *Low Voltage Directive*

2004/108/CE

Direttiva Compatibilità Elettromagnetica *Electromagnetic Compatibility Directive*

ed è conforme alle disposizioni delle seguenti norme *and is in conformance with the rules of the*
armonizzate: *following harmonized standard:*

UNI EN ISO 12100/2010

CEI EN 60204-1/2006

Il Fascicolo Tecnico viene conservato presso: *The Technical File is stored at:*

HABASIT ITALIANA S.p.A.
Via del Lavoro, 50
I – 31016 Cordignano (TV) - ITALY

Cordignano,

Il Direttore Generale
General Manager

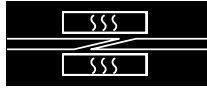
Ugo Passadore

Il Responsabile del Fascicolo Tecnico
Technical File Manager

Matteo Mapelli

.....

.....



DICHIARAZIONE DI INCORPORAZIONE

DECLARATION OF INCORPORATION

2006/42/CE – Allegato II - B



Noi We

HABASIT ITALIANA S.p.A.
Via del Lavoro, 50
I - 31016 Cordignano (TV) - ITALY

dichiariamo sotto la nostra esclusiva responsabilità che la quasi-macchina tipo: *declare under our sole responsibility that the partly completed machinery type:*

Pressa a caldo Hot press

Modello: *Series:*

PM-1209/160W-B/458

Matricola: *Serial Number:*

è conforme ai requisiti essenziali della salute e sicurezza il cui elenco è riportato nella documentazione tecnica pertinente, secondo l'allegato VII – B della Direttiva 2006/42/CE, conservata presso: *is in conformance with the essential health and safety requirements, the list of such is reported in the relevant technical documentation, according with the annexed VII – B of 2006/42/EC directive, at:*

HABASIT ITALIANA S.p.A.
Via del Lavoro, 50
I - 31016 Cordignano (TV) - ITALY

ed è inoltre conforme alla Direttiva Bassa Tensione 2006/95/CE. *and is also in conformance with the 2006/95/CE Low Tension Directive.*

Ci impegnamo a trasmettere le informazioni pertinenti su richiesta adeguatamente motivata dalle autorità nazionali. *We strive to provide the relevant information on reasoned request by national authorities.*

E' comunque espressamente vietato procedere all'avviamento della quasi-macchina in oggetto prima che il sistema al quale è prevista la sua incorporazione sia dichiarato conforme alle vigenti direttive CE. *It is however expressly forbidden to proceed with the start up of the said partly completed machinery before the system which is intended for its incorporation is declared to be in conformity with the current EC directive.*

Cordignano,

Il Direttore Generale
General Manager

Ugo Passadore

Il Responsabile della documentazione tecnica
Technical documentation manager

Matteo Mapelli

.....

.....



2 Regulations and general warnings

2.1 Manual layout criteria

This manual observes the organizational rules and requirements of Directive 2006/42/, duly amended, being the Directive of the Council of the European Community, concerning the reconciliation of the laws of member states regarding machines, and also all the other Directives and Regulations referred to in the said Machine Directive, inspired by criteria which, in addition to illustrating the technical characteristics of the machine and its use, maintenance and troubleshooting methods, also clearly indicate the following:

- All the protection measures adopted on the machine, fully integrating design safety planning and construction safety
- All protection measures to be adopted to meet those risks that cannot be completely eliminated
- All indications for the training of personnel using the machine, while indicating where it is necessary to provide for individual safety protection devices.
- The manual is divided up into sections. Each section deals with a specific subject in which every aspect of safety is considered and clearly highlighted in the text.

2.2 Manual use criteria

HABASIT encourages the reader to fully read this manual when receiving the equipment it comes with and, in any case, before handling the equipment. This manual is designed to provide all the instructions, indications and warnings needed by the user to learn about the equipment, understand its main operating principles and be suitably informed for safe use.

In addition to the instructions in this manual, we would ask users to observe any specific current laws.

This manual must be considered as an essential part of the equipment. Its contents must be made known to the entrusted maintenance persons and users.

The purpose is to provide all the information required for good, correct use of the equipment.

The manuals must be kept throughout the equipment's life and must be updated in the event of modifications aimed at improving the equipment's performance.

The manuals must be available to qualified personnel.

Consultation of this manual is facilitated by the general index on the first page, which makes it possible to immediately find the subject of interest.

If the subject dealt with is particularly important it is highlighted with references to the type of technical personnel required to intervene.

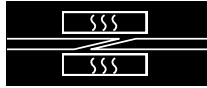
All updates HABASIT considers necessary to improve the quality of the equipment will be communicated by way of sending of further specific documentation or a new manual to replace the previous one.

Should the equipment be transferred to another customer, manuals must be included and HABASIT informed in order to provide future modifications or updates.

A copy of this manual, delivered with the equipment, is meant for the maintenance operators, who shall read and keep it near the equipment, and consult it before undertaking any action on the equipment.

The **PM-1209/160W-B/458** press has been specifically developed for hot joining of HABASIT drive and conveyor parts using the Flexproof and Thermofix process.

It was exclusively designed for the applications described hereto. Other or unsuitable applications are prohibited. Habasis shall not be liable for unintended application consequences. The **PM-1209/160W-B/458** press was professionally manufactured in accordance with EC safety instructions. All assembly, maintenance and repair work, as well as the operation of the equipment, is expected to be carried out by qualified personnel or staff under the supervision of responsible specialists and experts.



For space reasons, these instructions for use cannot cover all possible operating, maintenance and repair aspects. The indications provided concern normal machine use by qualified personnel. In the event of doubt or in need of further information, always contact the manufacturer.



3 Technical specifications

3.1 Electrical specifications

Power	4 x 1040 W = 4160 W
Supply voltage	230 V ~
Frequency	50-60 Hz

3.2 Pneumatic characteristics

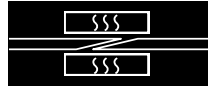
Fluid characteristics	Filtered, non-lubricated air
Maximum working pressure	3 bar \pm 0.2 bar / 43.51 psi
Min. supply diameter	Rapid connector of 1/4"

3.3 Dimensions and environmental characteristics

Dimensions (LengthxWidthxHeight) (including handles)	1630x400x300 mm 64.2 x 15.7 x 11.8 inches
Total Weight	92 kg / 202.4 lbs.
Upper part weight	29 kg / 63.8 lbs.
Lower part weight	35 kg / 77 lbs.
Noise level	< 70 db
Working temperature	Between 15°C – 38°C / 59°F – 100.4°F
Humidity tolerance	Between 45 ÷ 70%

3.4 Production specifications

Max length of belt/tape	1200 mm / 47.24 in
Max width of belt/tape	10 mm / 0.4 in
Minimum length of belt/tape	940 mm / 37 in
Heating plate width	160 mm / 6.3 in
Max. working temperature	3 bar / 43.5 psi
Max. working temperature	199° C / 390° F
Temperature interval	+ 2° / - 4° C + 3.6° / - 7.2° F
Maximum heating plate temperature deviation from nominal value	+/- 2° C / 3.6° F
Mean heating time at 180° C	15 min (230V~) 20 min (400V~)
Cooling time from 180° C to 80° C	2 min



3.5 Dimensions

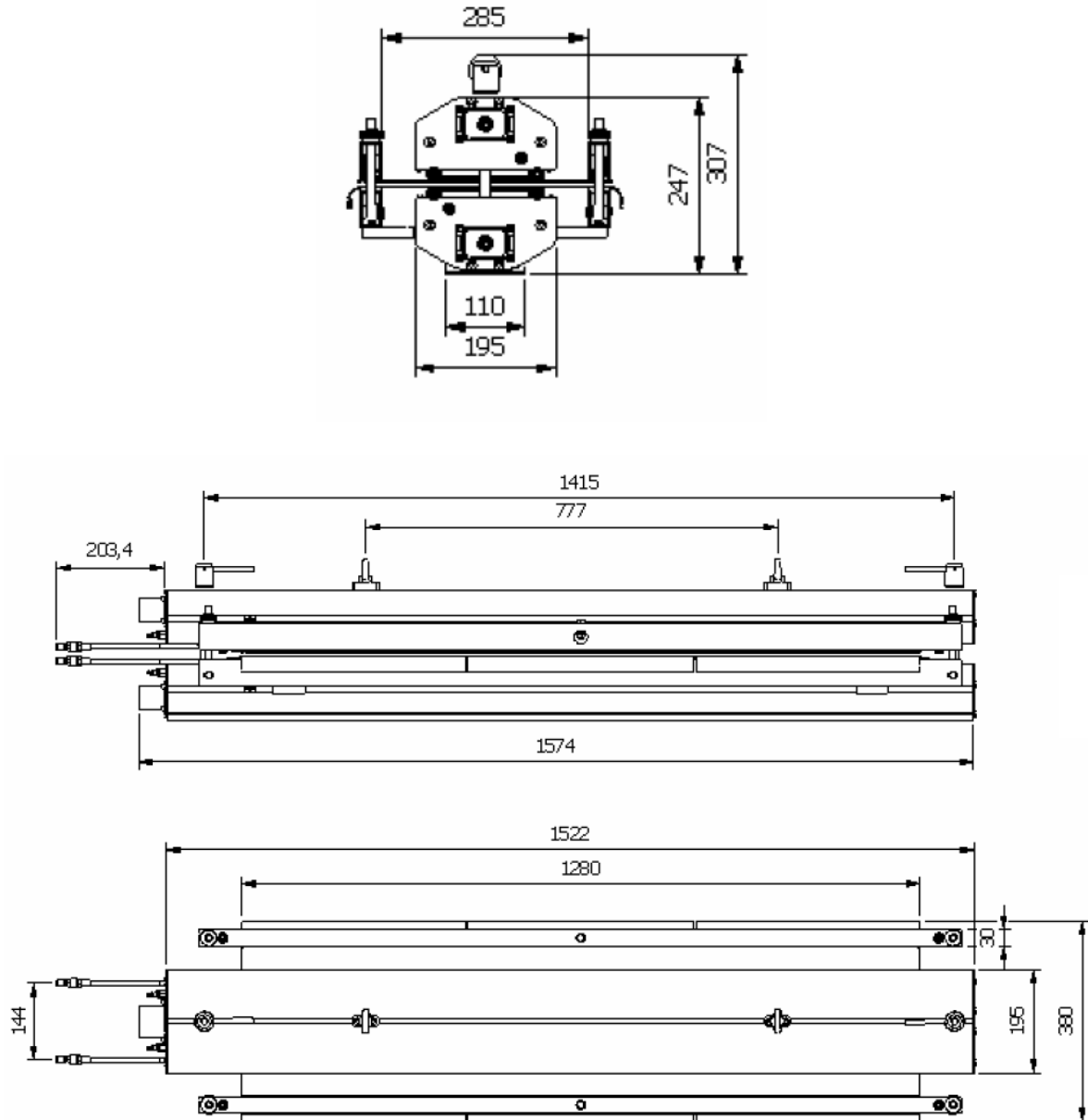
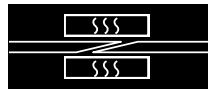


Figure 1 – PM-1209/160W-B/458 press general dimensions



4 Drawings and spare parts list

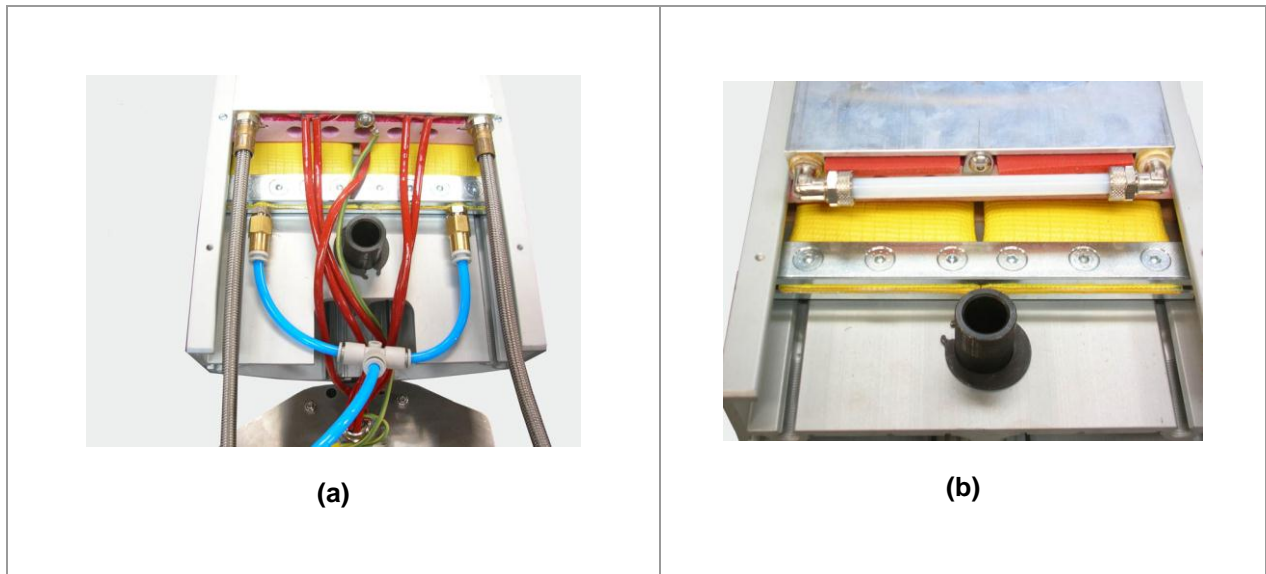
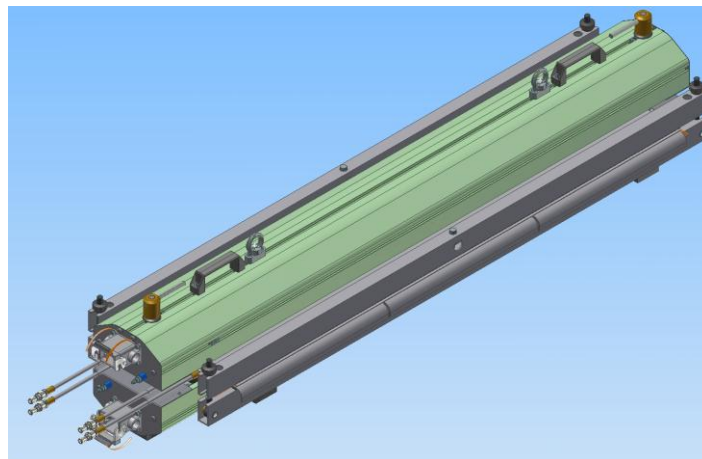
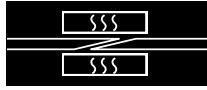


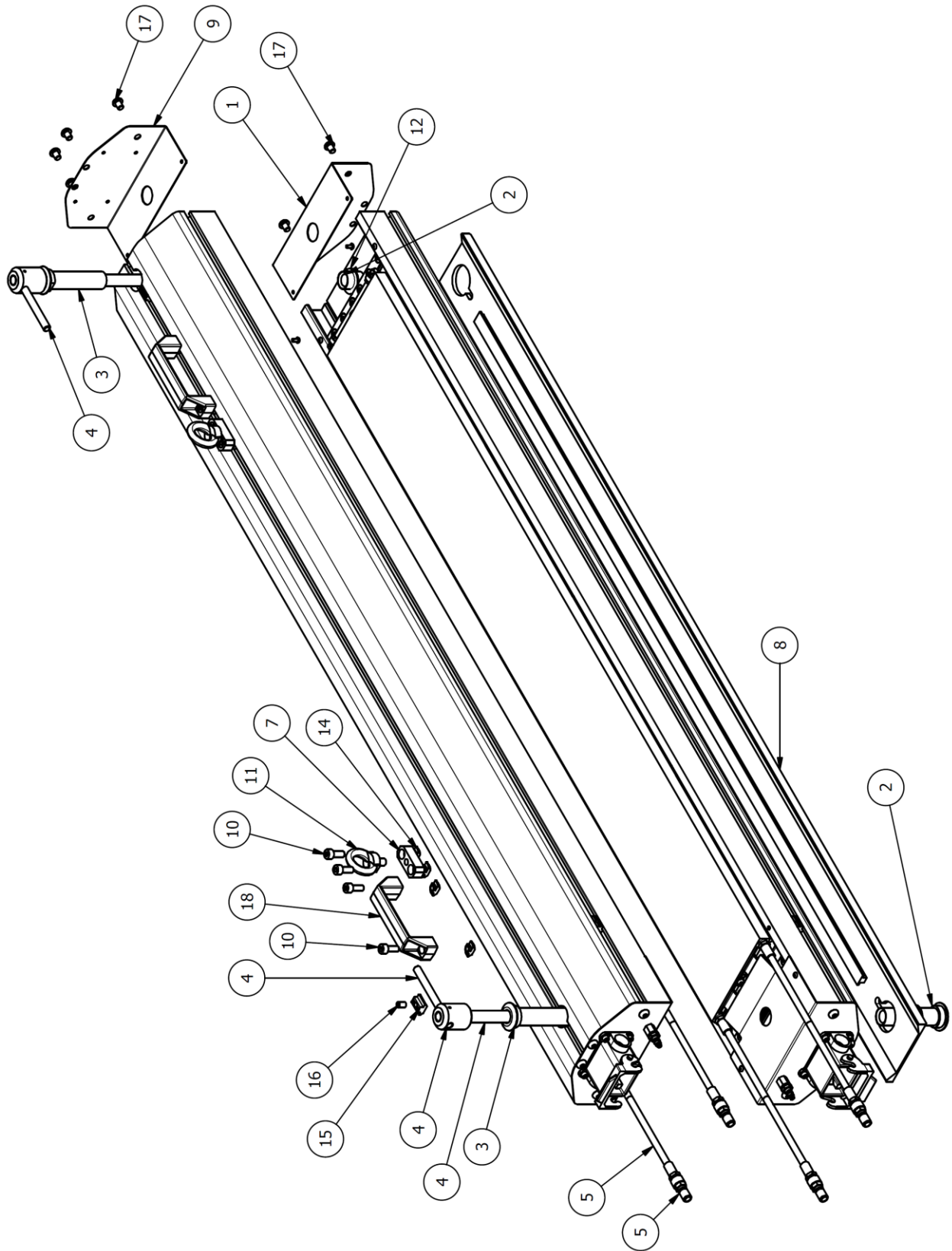
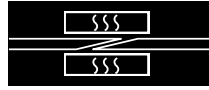
Figure 2 - PM- 1209/160W-B/458 press internal connection, electrical connector side (a) and opposite side (b).

4.1 PM-1209 series press overall view



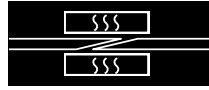


4.2 H08D002887 – External press part

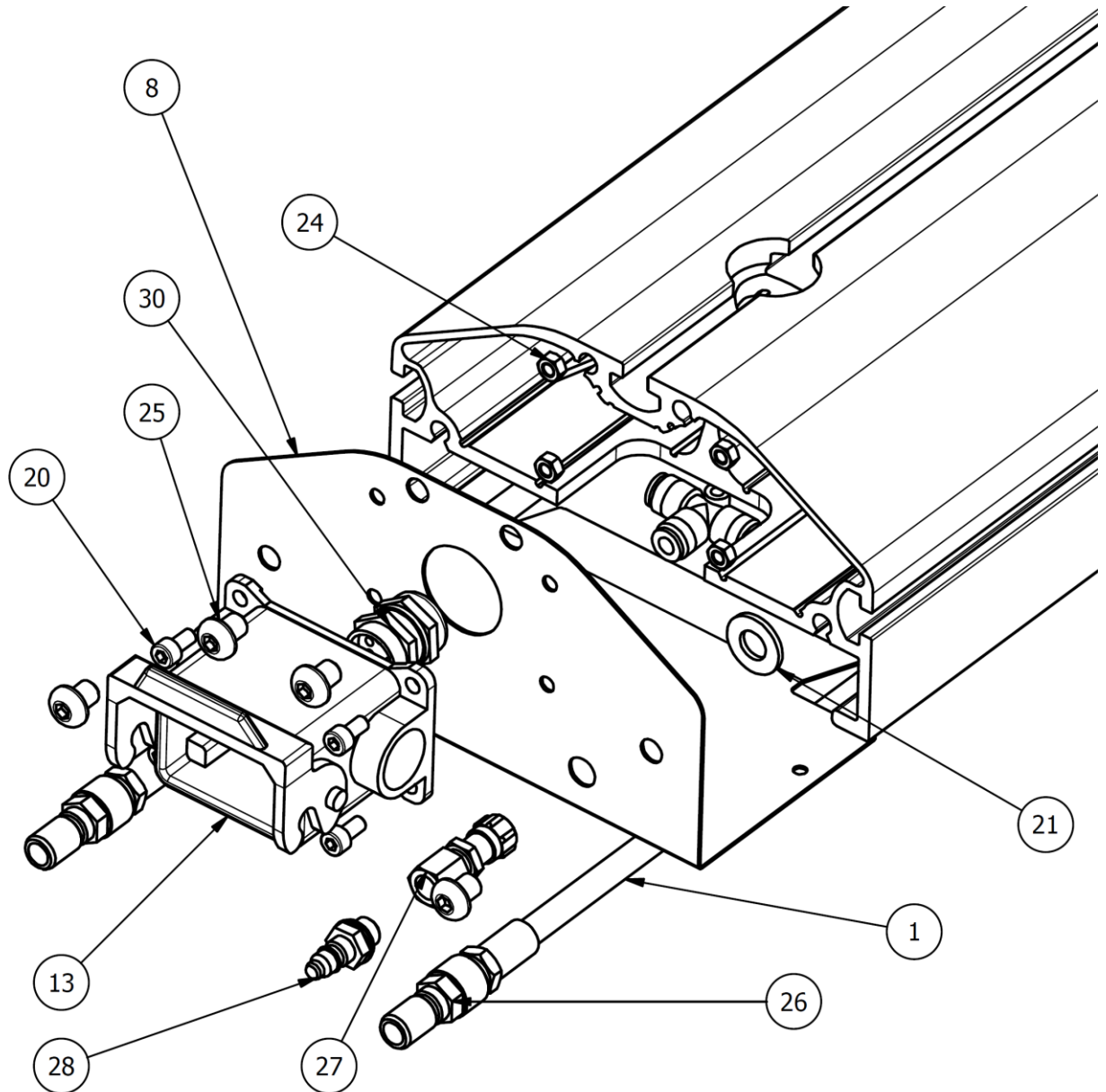


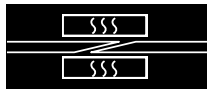


PM-1209/160W-458 Press		H08D002887 – External press view	
Position	Q.ty	Code	Description
1	1	H08D002860	NEUTRAL SIDE HEAD
2	2	H08D002866	LOWER BUSHING
3	2	H08D002867	UPPER BUSHING
4	2	H08D002868	CLOSING SCREW
5	2	H08D002873	PM-1209 BEAM UNIT
7	2	H08D003604	LIFTING RING LOCK
8	1	H08D004163	PEDESTAL PM-1209
9	1	H08D004614	NEUTRAL SIDE HEAD LABEL HOUSING
10	8	H08N010023	VTCEI UNI 5931-M8x20 GALVANIZED SCREW
11	2	H08N010151	MALE LIFTING RING UNI 2947 M10 GALVANIZED
12	4	H08N010408	SELF-LOCKING STOP RING WA-G 24 GANDINI
14	8	H08N010956	DAM0810 HAMMER NUT M8x10
15	4	H08N010958	NUT DAT0810 MECHANICA
16	4	H08N012001	FLAT-TIPPED GRUB SCREW ISO 4026 M8x12
17	8	H08N012005	VTBEI UNI-ISO 7380-M8x10 STAINLESS STEEL SCREW
18	2	H08N060003	M.443/140 N cod.37131 ELESA HANDLE

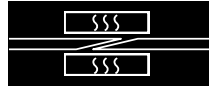


4.3 H08D002873 – Beam unit

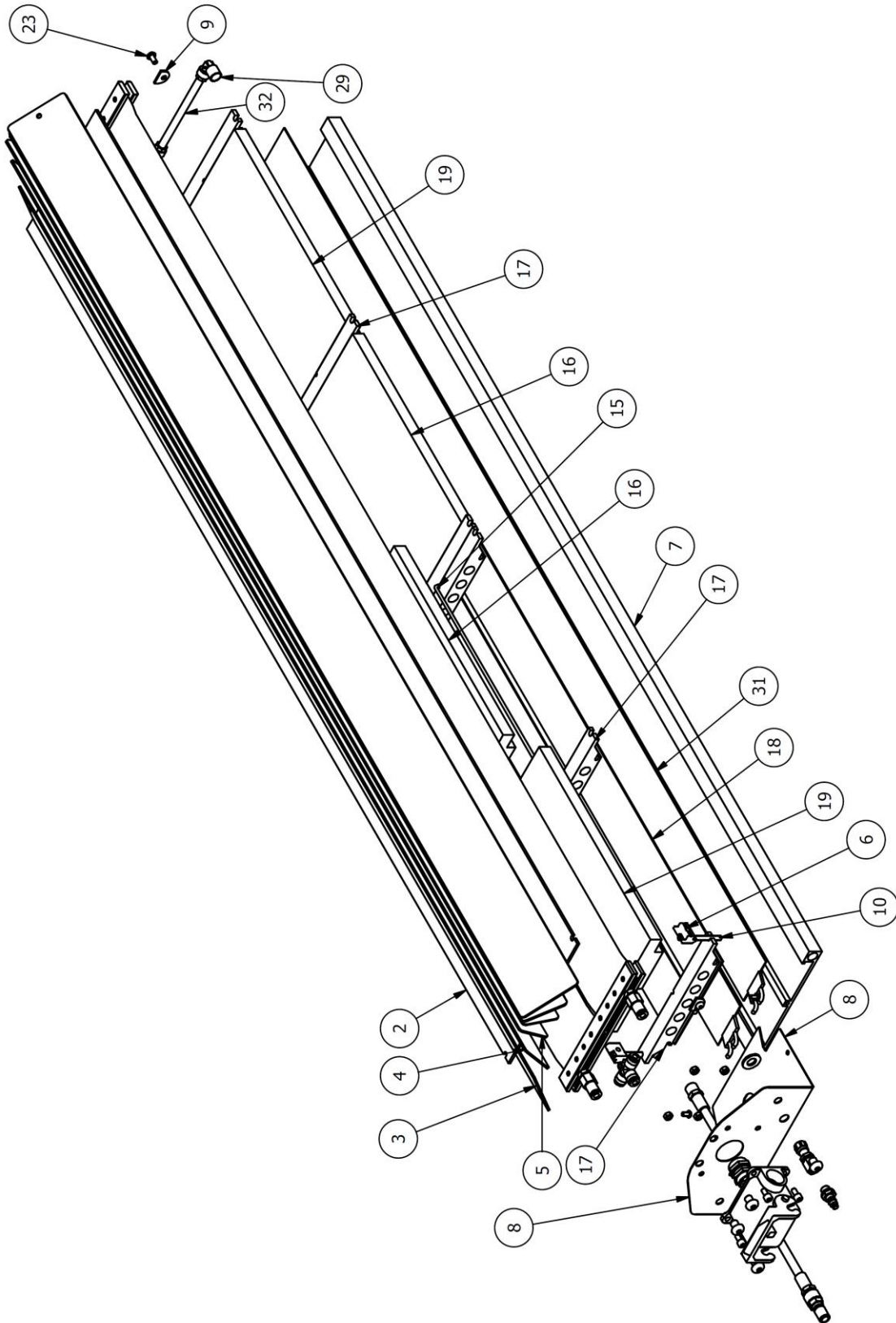


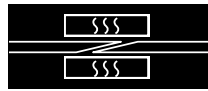


PM-1209/160W-458 Press		H08D002873 – Beam unit	
Position	Q.ty	Code	Description
1	2	H08205C117	Hose W dn 6.5 290 fixed male + fixed male 1/4" conic OT
8	1	H08D002861	CONNECTION SIDE HEAD
13	1	H08D003020	PERFORATED FIXED CASE WITH LEVER ILME - CHP 06 L
20	4	H08N010060	VTCEI UNI 5931-M5x10 GALVANIZED SCREW
21	1	H08N010136	UNI 6592-10.5x21 GALVANIZED WASHER
24	4	H08N011993	UNI 5588-68 M5 STAINLESS STEEL NUT
25	4	H08N012005	VTBEI UNI-ISO 7380-M8x10 STAINLESS STEEL SCREW
26	2	H08N020416	MALE COUPLING 162A 1/4" FEMALE
27	1	H08N020951	FESTO 9425 QCK-1/8-PK-4-B
28	1	H08N020953	MALE COUPLING 11 mini 1/8" code 0102011
30	1	H08N040201	BOL-MF PG13 ELEKTROZUBEHÖR WIRE CLAMP

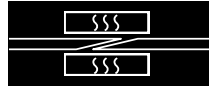


4.4 H08D002873 – Internal beam unit

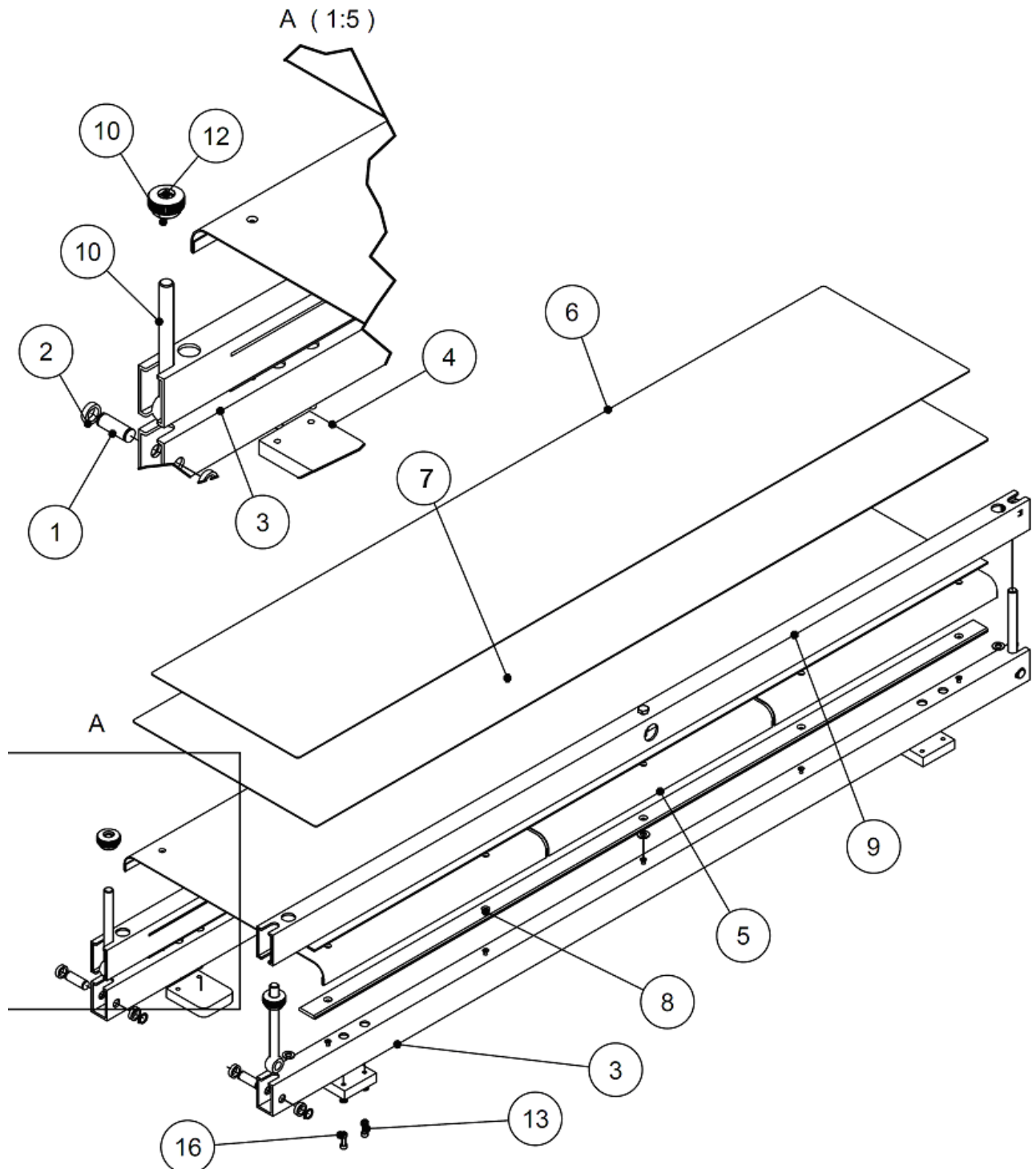




PM-1209/160W-458 Press		H08D002873 – Internal beam unit	
Position	Q.ty	Code	Description
1	2	H08205C117	Hose W dn 6.5 290 fixed male + fixed male 1/4" conic OT
2	1	H08D002854	MULTILAYER BEACH SEPARATOR PM-1209
3	2	H08D002855	H=73 INTERNAL PROFILE REINFORCEMENT
4	2	H08D002856	H=53 INTERNAL PROFILE REINFORCEMENT
5	2	H08D002857	H=44 INTERNAL PROFILE REINFORCEMENT
6	2	H08D002858	THREADED PIN INSERT
7	1	H08D002859	HEATING PLATE PM-1209
8	1	H08D002861	CONNECTION SIDE HEAD
9	2	H08D002862	RESISTANCE LOCK PLATE
10	2	H08D002864	CENTRING SCREW
15	1	H08D003276	THERMOCOUPLE UL-CSA
16	2	H08D004709	INSULATING MONOLUX L=290
17	6	H08D005175	UPPER INSULATOR
18	2	H08D006715	RESISTANCE COVER PLATE PM-1209
19	2	H08D006732	INSULATING MONOLUX L=296
23	2	H08N011991	VTBEI UNI-ISO 7380-M5x10 STAINLESS STEEL SCREW
29	2	H08N021165	1500 8/6-1/4 CAMOZZI ELBOW FITTING
31	2	H08N040381	Resistance etched foil 230V 1000W sil. wires 1,5/2mm. L=600mm.
32	1	H08N060794	Teflon hose Øi6xØe8

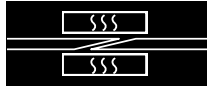


4.5 H08D002874 – Belt press unit

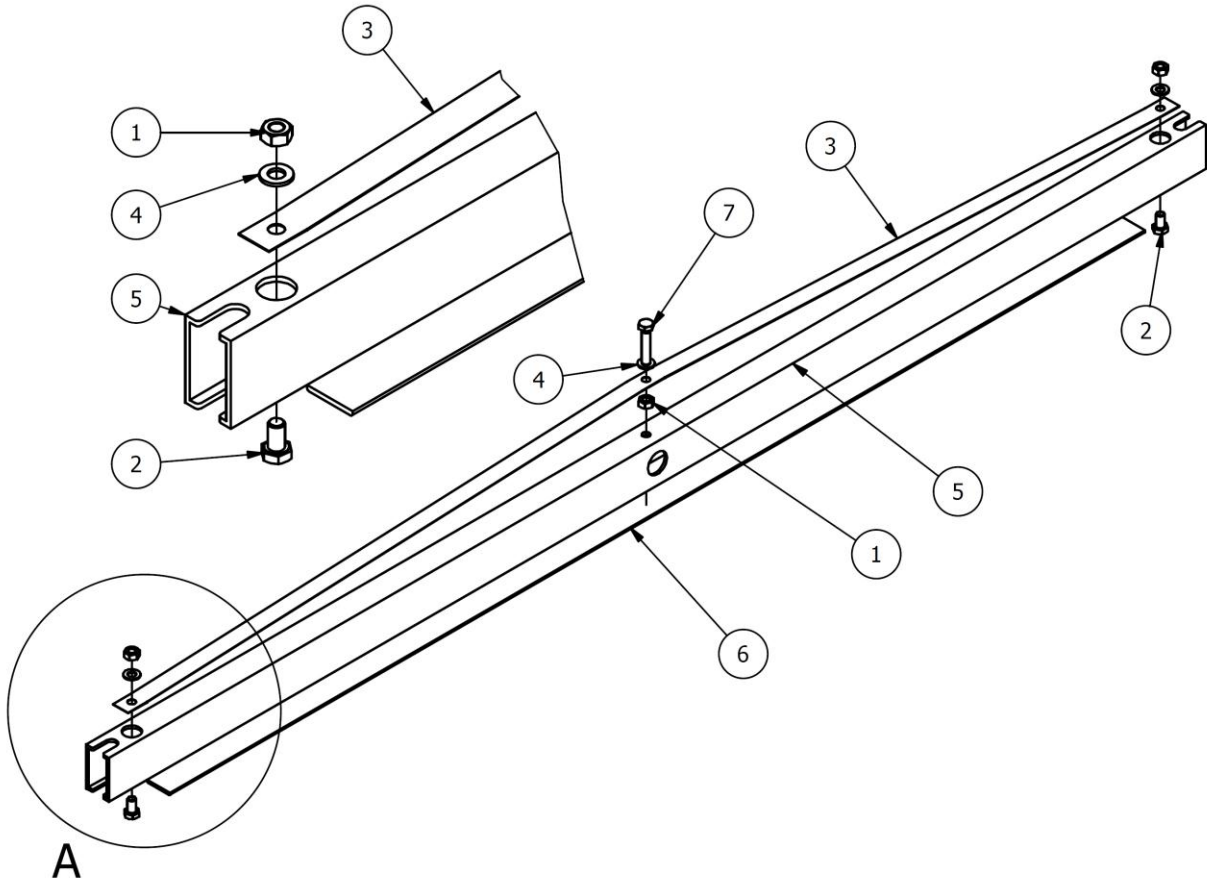




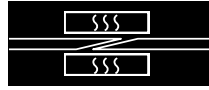
PM-1209/160W-458 Press		H08D002874 – Belt press unit	
Pos.	Q.ty	Code	Description
1	4	H08205D105	PRESSER CLOSURE SCREW PIN
2	8	H08205D106	SCREW EYE SPACER
3	2	H08D002879	LOWER PRESSER PM-1209
4	4	H08D002881	CENTERING SHIM
5	1	H08D002882	SHEET METAL SURFACE PM-1209
6	1	H08D002883	WELDING PLATE PM-1209 L=280
7	1	H08D002884	WELDING PLATE PM-1209 L=350
8	2	H08D003013	INSULATING SHIM PM-1209
9	2	H08D004670	UPPER PRESSER GROUPE PM-1209
10	4	H08N010144	DIN 444 M12x130 EYE SCREW code GN.12536
11	8	H08N010149	EXTERNAL SEEGER e12 UNI 7435
12	4	H08N010496	B. 193/30 FP-M12 KNURLED KNOB code 2514
13	4	H08N010594	VTCEI UNI 5931 - M5x20 GALVANIZED SCREW
14	10	H08N011985	UNI 5588-68 M4 STAINLESS STEEL NUT
15	4	H08N011992	UNI 6592-5.3x10 STAINLESS STEEL WASHER
16	4	H08N011993	UNI 5588-68 M5 STAINLESS STEEL NUT
17	10	H08N011999	VTSEI UNI 5933-M4x16 STAINLESS STEEL SCREW



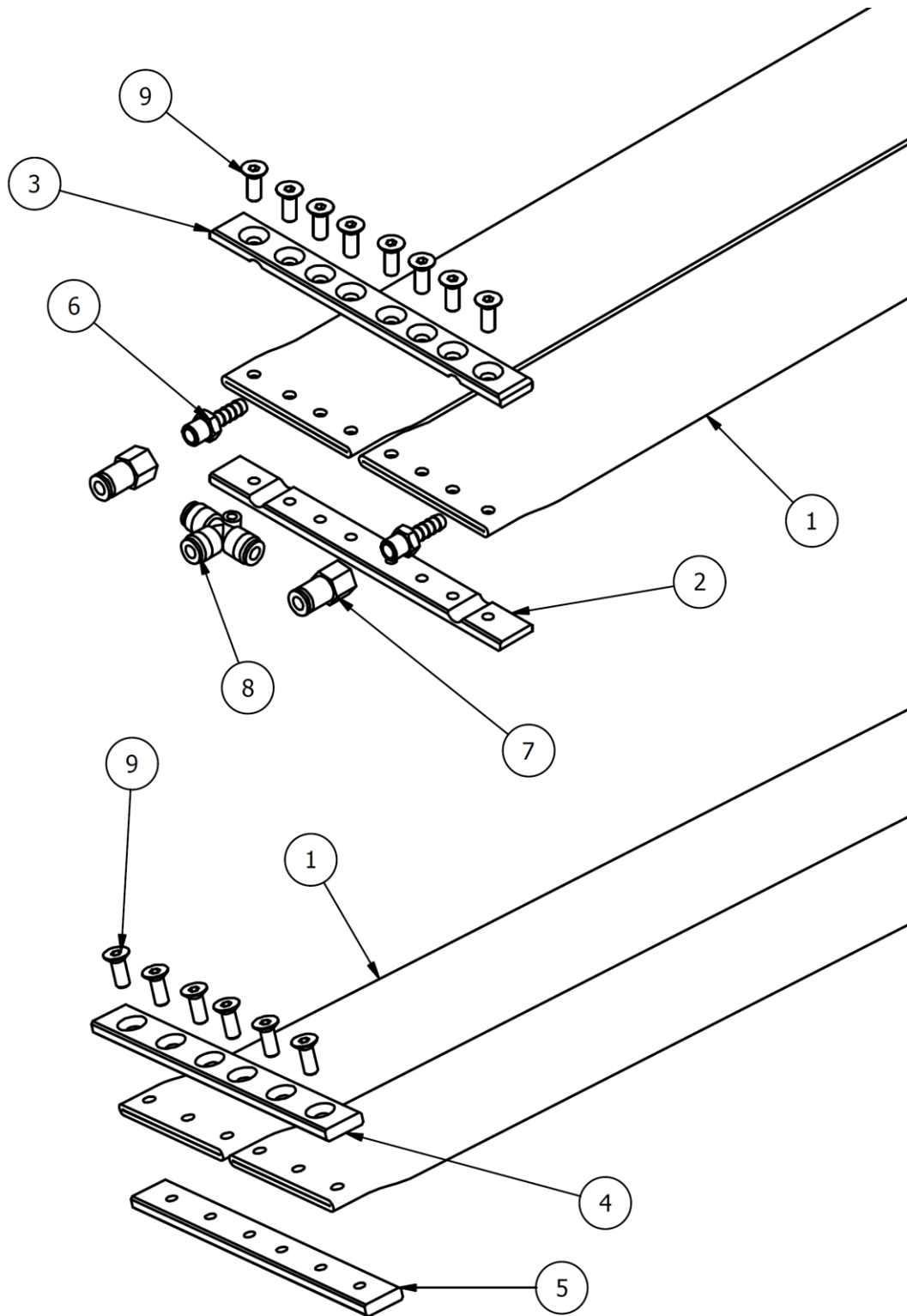
4.6 H08D004670 – Upper presser unit

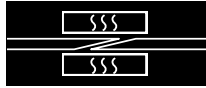


PM-1209/160W-458 Press		H08D004670 - Upper presser unit	
Pos.	Q.ty	Code	Description
1	3	H08N010216	UNI 5588-68 M8 GALVANIZED NUT
2	2	H08N010127	VTE UNI 5739-M8x14 GALVANIZED SCREW
3	1	H08D004161	PM-1209 TIE
4	4	H08N010009	UNI 6592-8.4x17 GALVANIZED WASHER
5	1	H08D002880	PM-1209 UPPER PRESSER
6	1	H08D004160	PM-1209 SILICON PROFILE
7	1	H08N011748	VTE UNI 5739-M8x40 GALVANIZED SCREW

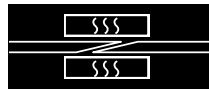


4.7 H08D002865 – Pad unit

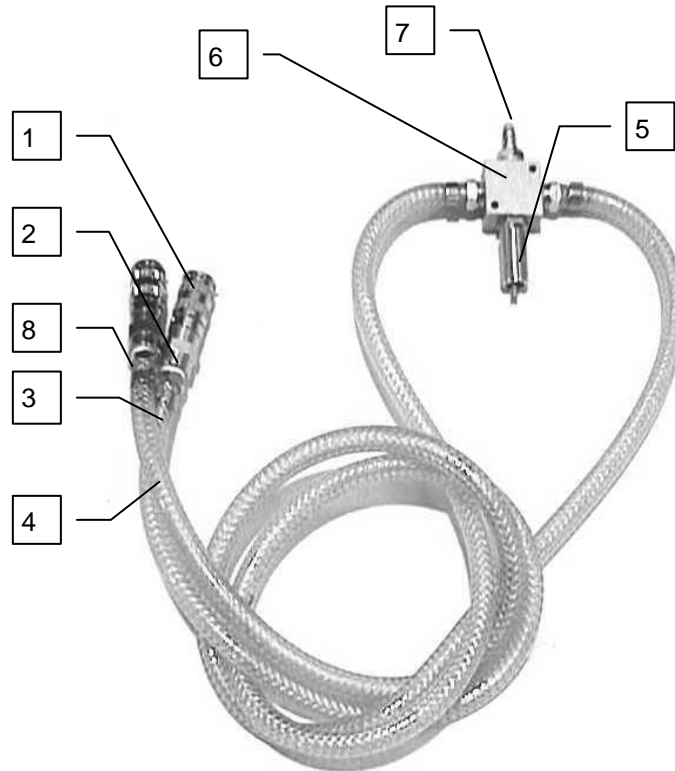




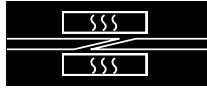
PM-1209/160W-458 Press			H08D002865 – Pad unit
Position	Q.ty	Code	Description
1	1	H08D002890	PRESSER PAD
2	1	H08D003015	REAR CUSHION RESTRAINING PLATE
3	1	H08D003014	REAR CUSHION RESTRAINING PLATE
4	1	H08D003016	FRONT CUSHION RESTRAINING PLATE
5	1	H08D003017	FRONT CUSHION RESTRAINING PLATE
6	2	H08N020946	HOSE-END FITTING code 3040-8-1/8 AIGNEP
7	2	H08N020948	KQ2F06-01 (6x1/8") FITTING SMC
8	1	H08N021083	KQ2T06-00 D6 SMC T INTERMEDIATE FITTING
9	14	H08N010003	VTSEI UNI 5933-M6x16 GALVANIZED SCREW



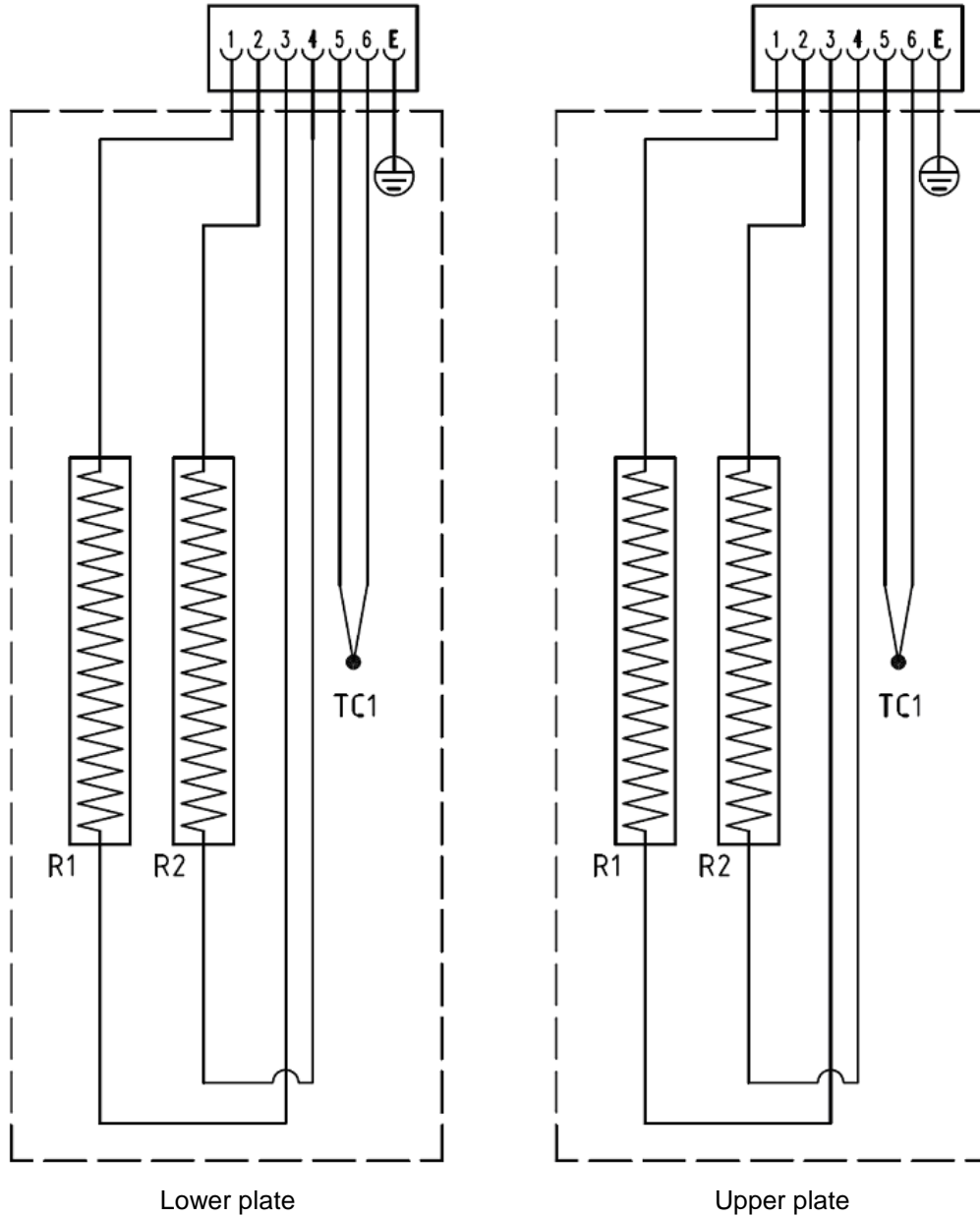
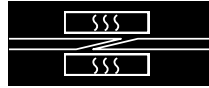
4.8 H08008E100 – Pneumatic connection



Position	Code	Description	U.M.	Q.ty
	H08008E100	PNEUMATIC CONNECTION	NR	1
1	H08N020655	1/4" mini 04 QUICK COUPLING	NR	2
2	H08N020407	HOSE-END FITTING 6x1/4"	NR	4
3	H08N020410	PLASTIC TUBE PVC 6x12	NR	1
4	H08N020410	PLASTIC TUBE PVC 6x12	NR	1
5	H08N020406	SAFETY VALVE MAX PRESSURE 3BAR 1/4"	NR	1
6	H08N020950	1/4" 4-WAY AIR DISTRIBUTOR	NR	1
7	H08N020656	1/4" mini 12 MALE QUICK COUPLING	NR	1
8	H08N020412	2-EAR 11X13 HOSE CLAMP COLLAR	NR	4



5 Press wiring diagram



	Code	Description
R1	H08D040381	Silicon resistance 230V 1040W
R2	H08D040381	Silicon resistance 230V 1040W
TC1	H08D003276	Thermocouple

6 Product and product use liabilities



For any further clarifications, contact Habasis Italiana S.p.A. customer service at the following address:

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Product liability, application considerations

The proper selection and application of Habasis products, including the related area of product safety, is the responsibility of the customer.

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This use and maintenance manual and its attachments are translated from original language (Italian).