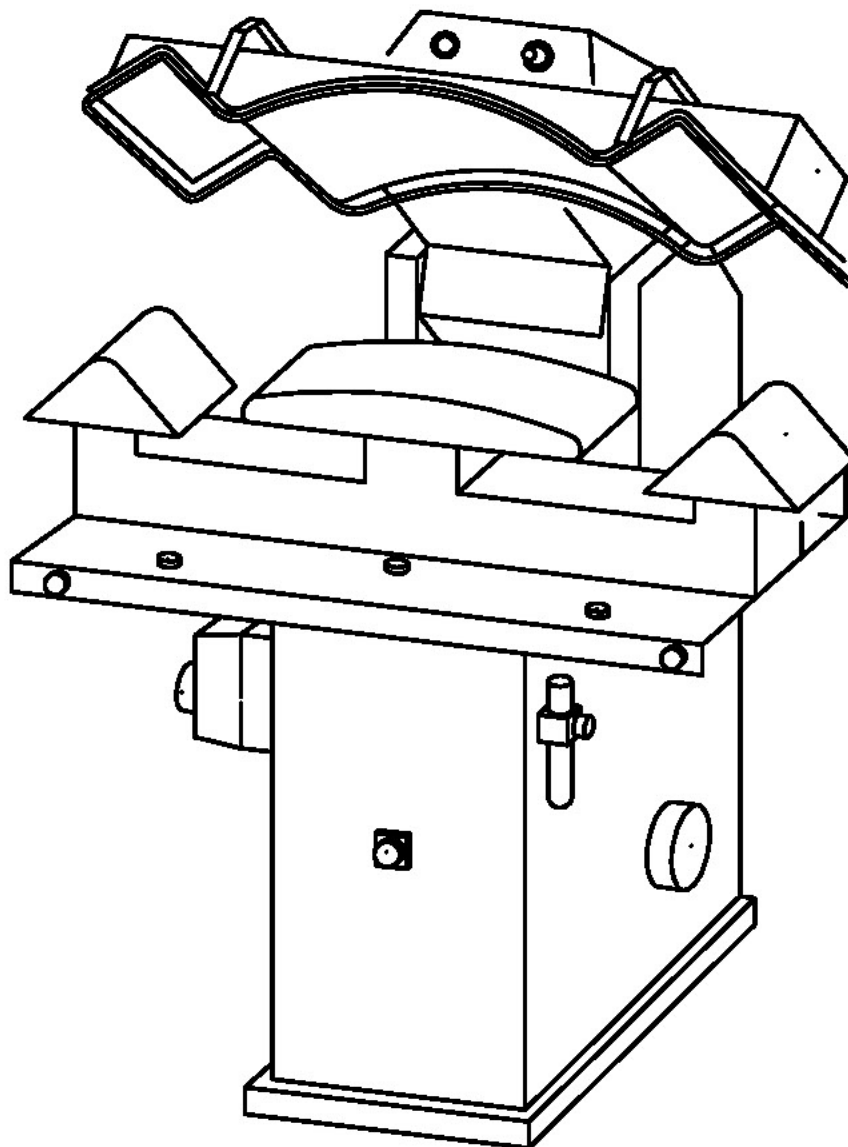




KRAAG- EN MANCHETTENPERS / COLLAR AND CUFF PRESS
Kragen und Manschettenpresse / PRESSE COLS ET MANCHETTES



CISSELL Manufacturing Co.
831 South First Street / P.O.Box 32270
Louisville, KY 40232-2270 USA
Tel.: (502) 587-1292
Fax: (502) 585-3625

1448/110 /116
1449/110 /116

Serienr. : _____
Serial No.
N° de série

Part No. D0139

WARRANTY

The Cissell Manufacturing Company (Cissell) warrants all new equipment (and the original parts thereof) to be free from defects in material or workmanship for a period of one (1) year from the date of sale thereof to an original purchaser for use, except as hereinafter provided. With respect to non-durable parts normally requiring replacement in less than one (1) year due to normal wear and tear, including, but not limited to, cloth goods, valve discs, hoses, and iron cords, and with respect to all new repair or replacement parts for Cissell equipment for which the one (1) year warranty period has expired, or for all new repair or replacement parts for equipment other than Cissell equipment, the warranty period is limited to ninety (90) days from date of sale. The warranty period on each new replacement part furnished by Cissell in fulfillment of the warranty on new equipment or parts shall be for the unexpired portion of the original warranty period on the part replaced.

With respect to electric motors, coin meters and other accessories furnished with the new equipment, but not manufactured by Cissell, the warranty is limited to that provided by the respective manufacturer.

Cissell's total liability arising out of the manufacture and sale of new equipment and parts, whether under the warranty or caused by Cissell's negligence or otherwise, shall be limited to Cissell repairing or replacing, at its option, any defective equipment or part returned f.o.b. Cissell's factory, transportation prepaid, within the applicable warranty period and found by Cissell to have been defective, and in no event shall Cissell be liable for damages of any kind, whether for any injury to persons or property or for any special or consequential damages. The liability of Cissell does not include furnishing (or paying for) any labor such as that required to service, remove or install; to diagnose troubles; to adjust, remove or replace defective equipment or a part; nor does it include any responsibility for transportation expense which is involved therein.

The warranty of Cissell is contingent upon installation and use of its equipment under normal operating conditions. The warranty is void on equipment or parts; that have been subjected to misuse, accident, or negligent damage; operated under loads, pressures, speeds, electrical connections, plumbing, or conditions other than those specified by Cissell; operated or repaired with other than genuine Cissell replacement parts; damaged by fire, flood, vandalism, or such other causes beyond the control of Cissell; altered or repaired in any way that effects the reliability or detracts from its performance, or; which have had the identification plate, or serial number, altered, defaced, or removed.

No defective equipment or part may be returned to Cissell for repair or replacement without prior written authorization from Cissell. Charges for unauthorized repairs will not be accepted or paid by Cissell.

CISSELL MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY, STATUTORY OR OTHERWISE, CONCERNING THE EQUIPMENT OR PARTS INCLUDING, WITHOUT LIMITATION, A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, OR A WARRANTY OF MERCHANTABILITY. THE WARRANTIES GIVEN ABOVE ARE EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. CISSELL NEITHER ASSUMES, NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT, ANY OTHER WARRANTY OR LIABILITY IN CONNECTION WITH THE MANUFACTURE, USE OR SALE OF ITS EQUIPMENT OR PARTS.

For warranty service, contact the Distributor from whom the Cissell equipment or part was purchased. If the Distributor cannot be reached, contact Cissell.

Table of contents

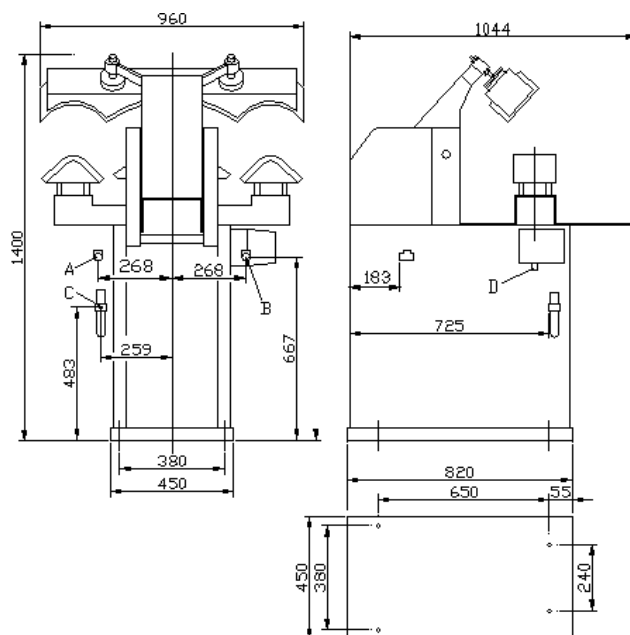
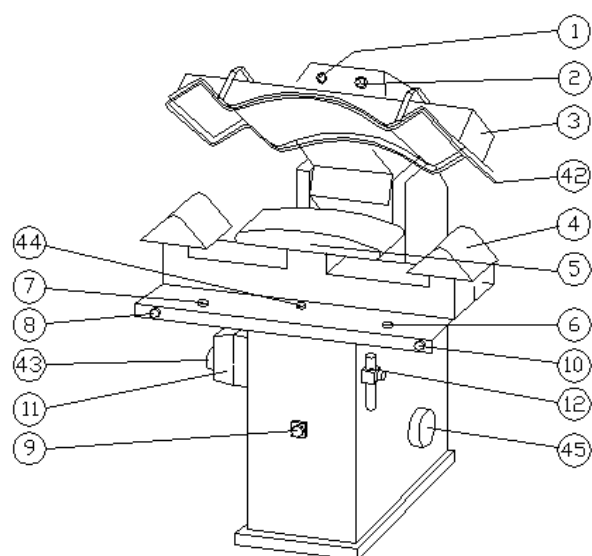
1	Machine survey, operating functions and connections.....	14
2	Symbols	14
3	Introduction..... - Important	14
4	Technical data	16
5	Installation	16
	☞ Installation must be carried out by a qualified a registered installer!	
5.1	Transport and positioning	16
5.2	Connections	16
	- Steam.....	17
	- Compressed air	18
	- Electricity	18
6	Put into operation	18
7	How to operate.....	20
7.1	User directions	20
7.2	User instructions.....	20
8	Put out of operation	20
9	Trouble shooting	21
10	Maintenance and repairs	22
10.1	Maintenance.....	22
10.2	Repairs	22
	☞ Repairs should be carried out by a qualified serviceman!	
10.3	Adjustments.....	23
	- Pressure switch (37)	
11	Spare parts	24

Enclosure A: Machine survey spare parts

Enclosure B: Electrical circuit

Enclosure C: Air circuit

1 Machine survey, operating functions and connections



1. Temperature lamp
(only for electrically heated machine)
2. Temperature control
(only for electrically heated machine)
3. Head
4. Buck cuffs
5. Buck collar
6. Button closing head



7. Button closing head



8. Emergency stop button
9. Pressing time



- 9.Reset button



11. Electric connecting box
12. Air control
42. Safety bar
43. Main switch
44. Vacuum eye



45. Vacuum pump

- A. Steam supply ½" (/110 - steam heated)
- B. Steam drainage ½" (/110 - steam heated)
- C. Compressed air ¼" BSP
- D. Electrical connection

2 Symbols

Warning symbols:



Attention!
Caution!
Follow the instructions.



Caution, electricity!
Can cause electrical shocks.
Do not touch!



Caution, heat!
Do not touch!



Very important!
Safety aspect!

Symbols for use and operation:



Closing head (6) and (7)



Pressing time
Timer (9)



Vacuum buck
Vacuum eye (44)



Reset (10)

3 Introduction

The 1448 AND 1449 COLLAR AND CUFF PRESS are laundry presses to press the collar and cuffs of shirts simultaneously. The 1448, 1449 can be steam or electrically heated. The bucks of the press will be sucked vacuum automatically when a shirt is laid down on the press.

All the numbers and capitals in this manual indicated in brackets (), refer to the numbers/capitals of the different machine drawings.

Important:

! Read this manual first before installation and before taking the machine into use.

! All the installation, repair, adjusting and maintenance activities should be carried out by experts.



The COLLAR AND CUFF PRESS can take a steam pressure of 10 bar maximum. A higher pressure could bring along safety risks or lead to damage to the machine.



A higher compressed air pressure than 6 bar is not allowed for an higher pressure could bring along safety risks or damage the machine. Recommended working pressure: 6 bar.

! Take care for good survey and create enough working space around the machine.

Advice: Keep the manual somewhere near the press.

4 Technical data

Type: 1448/110 - Steam heated
1148/116 - Electrically heated

Maximum allowed steam pressure	: 10 bar
Recommended working pressure	: See table Temperature adjustment
Steam consumption (steam pressure of 6 bar)	: 5 kg/hour

Maximum allowed air pressure	: 6 bar
Recommended working pressure	: 6 bar
Air consumption (air pressure of 6 bar)	: 450 l/hour

Voltage	: 230/50/3 or 400/50/3 + N (consult serial number plate)
Power	Steam heated: 3x1,2A (230V), 3x0,7A (400V) Electrically heated: 3x22A (230V), 3x11A (400V)
Electrical consumption	Steam heated: 450 W Electrically heated: 2450 W

Weight	: 265 kg
Dimensions	: 960 x 1044 x 1400 mm (L x W x H)

Sound pressure (A-weighted equivalent continuous sound pressure)	: < 70 dB(A)
---	--------------


5 Installation

5.1 Transport and positioning

 **Mind your safety! Wear safety shoes and working gloves.**

- Leave the machine on the pallet for transport to its location.
- Avoid shakes.
- Use a lifting device for transport and for moving it into position.
- Handle the machine only by its frame.
- Take care for enough working space around the machine.
- Fix the machine with bolts (M10, 100mm) on an uneven floor.
- Cut the twine that holds the pressing shoes closed. **Attention:** The upper pressing shoe will rise to the open position.

5.2 Connections

 **When making the connections to the machine, take utmost care to ensure that no dirt or other materials enter the lines, since this may cause the machine to malfunction.**

Steam

☞ **Mind your safety! Wear working gloves!**

Connection: ½" BSP

Maximum steam pressure: 10 bar.

A : Steam supply	X : Steam trap
B : Steam return	Y : Blow off cock
W : Shut off valve	Z : Non-return valve

Instructions to connect the steam lines:

- Connect the steam lines according to illustration 1.
- Avoid condensation to enter the machine: Connect the branches of the supply and return lines in such way that they run atleast 300mm upward first.
- Flush the connected steam lines with steam from the steam supply.
- Install a steam trap and non-return valve as close as possible to the connection of the machine (mark the entry and exit).
- Install a shut off valve in both supply and return lines in order to be able to shut off the machine from the steam lines, for instance for repair activities.
- To get dry steam the connection of a steam trap with non-return valve on the lowest point of the supply to the drainage (dotted line fig. 1) is recommended. Mark the marking 'entry' and 'exit'.
- Connect the machine to the steam lines.

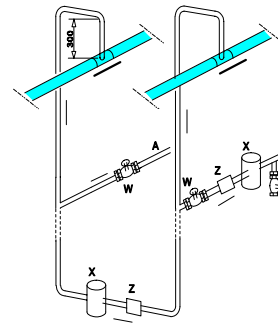


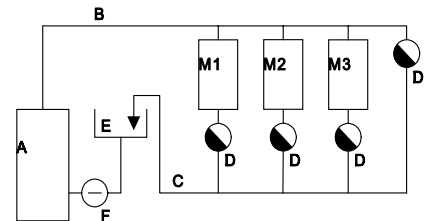
Figure 1: Connecting steamlines

Steamline systems

Open system

Mount a steamtrap (D) at the end of the steam supply line (B) and at the end of each connected machine. The condensate will be led to the watertank (E) through the condense return line (C). The condensate in the watertank will be pumped in the boiler (A) through pump (F).

Disadvantage of the open system is the loss of energy and an increasing fault sensibility.

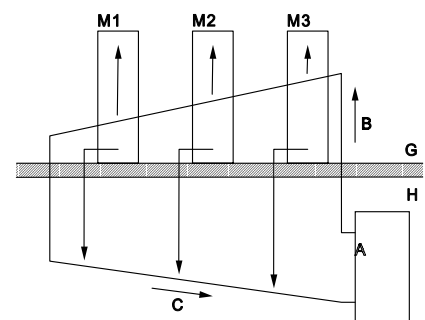


Closed system

The condensate ends up in the boiler (A) through a down going condense return line (C). The waterlevel of the boiler (A) has to be lower than the lowest condensate output of the connected machines!

There will be no loss of energy. The energy savings in regard to the open system is approximately 33%.

This system gives the lowest installation costs. When the system works well, the system will work well for years.

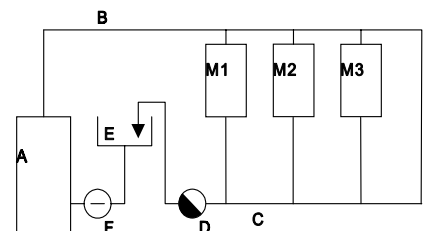


Half open system

This system is conform the open system. The only difference is that in this system at the end of the ringline (B,C) a steamtrap has to be mounted. This steamtrap brings the condensate in a watertank (E). The condensate in the watertank (E) will be pumped in the boiler (A) through the pump (F). In this system the waterlevel in the boiler (A) can be higher than the condensate output of the connected machines.

The energy saving in regard to the open system is approximately 20%.

This system will operate fault free for years.



A : Boiler	D : Steamtrap	G : Work room
B : Steam supply line	E : Watertank	H : Boiler room

Compressed air

- **Attention:** Avoid dirt to enter in the compressed air line for it might damage the machine.
- Connect a 1/4" compressed air line to the air control (12) of the machine.

☞ **Mind your safety! *The compressed air* can have a pressure of **6 bar maximum**. A higher pressure might damage the machine. Recommended working pressure: 6 bar.**

Electricity



☞ **Mind your safety! Never touch cords or plugs with wet hands!**

Instructions to connect electricity:



☞ **VERY IMPORTANT:**

**Wrong connection of the electricity can lead to high cost!!!
The electricity has to be connected by a qualified electrician!**

☞ **Attention! The machine is only suitable for 1 kind of voltage. The correct voltage is mentioned on the serial number plate on the machine.**

- Mount a plug on the electricity wire.
 - Brown = Phase
 - Black = Phase
 - Black = Phase
 - Blue = Null (only 400V)
 - Yellow/Green = Earth
- Check if the main switch (13) is put on 'OFF'.
- Plug in.

Check electrical connection and rotation of the vacuum pump:

- Turn the main switch (43) 'ON'.
- Cover the vacuum eye (44): The bucks should be sucked vacuum. If not, turn the main switch (43) 'OFF', unplug and change the rotating direction of the blower by changing the black electrical wires in the plug
- Turn the main switch (43) 'OFF'.

6 Put into operation



Think of your own and other people's safety!

Creat a clean, surveyable and spacious working environment.




Make sure that nobody is standing behind the machine.



Check the following points daily!

- Only for steam heated machines: Check the steam pressure (maximum 10 bar), close the blow off cock (Y, see figure 1) and open the steam shut off valves (W) completely.
- Connect an air pressure line (¼" BSP) to the air control (12) and set the desired air pressure on the air control (maximum 6 bar, recommended air pressure 6 bar).
- Turn the main switch (43) 'ON'.
- Adjust the desired temperature (See the table below).
- Check the action of the push buttons (6 and 7) for the operation of the head (3):
 - Adjust timer (9) at 5 seconds.
 - Cover the vacuum eye (44).
 - Press one push button (6): the upper pressing shoe will stay up.
 - Press the other push button (7): the upper pressing shoe will stay up.
 - Operate both push buttons (6 and 7) at the same time until the head is closed.
 - After 5 seconds the head will rise again.
 - Uncover the vacuum eye (44).
- Check the action of the safety bar (42):
 - Cover the vacuum eye (44).
 - Operate both buttons (6 and 7) simultaneously until the press is closed.
 - Touch the safety bar with your hand when the press is closed;
 - The head (3) opens IMMEDIATELY;
 - Operate the reset-switch (10);
 - Uncover the vacuum eye (44).
- Check the action of the emergency stop button (8):
 - Cover the vacuum eye (44).
 - Operate both buttons (6 and 7) simultaneously until the press is closed.
 - Operate the emergency stop button: the head will rise immediately.
 - Press both buttons (6 and 7) again: the head will not come down.
 - Unlck the emergency stop button by turning it clockwise.
 - Now the push buttons to operate the head should work again.
- Consult chapter 'Trouble shooting' in case of malfunctions.
- In case of leakage or defects, always call for an expert.
- Let the machine heat up before use:
 - 1448/110 (steam) : at least 20 minutes
 - 1448/116 (electrically): wait until the lamp (1) has gone out.
- Ready for use.

Table: Temperature adjustent

Fabric	Steam pressure* 1448/110	Temperature 1448/116 temperature control (2)
 synthetic fybre	1 bar maximum	110°C maximum
 silk / wool	1 - 5 bar	110 - 150°C
 cotton / linen	5 - 10 bar	150 - 200°C

* If the steam pressure is hard or impossible to adjust, the pressing duration (9) can be varied: shorter pressing time for synthetic fybres, longer for cotton and linen.

Attention:If you want to change to a lower temperature, you need to wait a while before using the press again because the machine has to cool down.

7 How to operate

7.1 User directions

- ! Use the COLLAR AND CUFF PRESS only for the treatment of clothes.
- ! Preferably a compressed air pressure of 6 bar and a steam pressure of 6 bar should be used. Higher pressures may cause the machine to malfunction.
(maximum compressed air pressure: 6 bar, maximum steam pressure: 10 bar).
- ! Maintenance and repair activities are to be executed by a qualified serviceman.

☞ **Not following the instructions of this manual may lead to injury or to damage to the machine!**



☞ **Mind your safety! Do not touch the upper pressing shoe for it's hot.**

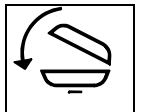
7.2 User instructions:

- ☞ **Think of your own and other people's safety!**
Create a clean, surveyable and spacious working environment!
Make sure that nobody is standing behind the machine!

- ! For the pressing the garments need to be damp.
- ! When the electricity of the compressed air is cut off, the head (3) will rise automatically.

Order of operation:

- ! The pressing of the machine can alway be stopped by pressing in the emergancy stop button (8).
- Set the desired pressing duration with timer (9).
- Lay the collar and cuffs on the lower pressing shoes (4 + 5) with the outside up.
(when the vacuum eye (44) is covered, the bucks will be sucked vacuum)
- Start the pressing by operating both closing buttons (6,7) simultaneously until the head (3) is closed.



8 Put out of operation

- Put the main switch (43) 'OFF'.
 - Uncouple the compressed air line.
- Warning!** At disconnecting the air line the filtered water will be drained out of the air control (12).

☞ **Catch the water for it might contain oil remains.**

For steam heated machines only:

- Close the steam shut off valve (W, see figure 1).
- Blow of steam by opening the blow off cock (Y).

Only for electrically heated machines:

- Set the temperature control (2) to 0°C.

9 Trouble shooting

Mind your safety!

If you cannot solve the problems with the aid of table below, then call for an expert.

Table: Trouble shooting

Problem	Check / solution
Press head (3) is hard to close	<ol style="list-style-type: none">1. The head (3) only closes when the vacuum eye is covered and both push buttons (6 and 7) are operated simultaneously.2. Main switch 'ON'?3. Is the emergency stop button (8) unlocked? (turn the button clockwise).4. Check the electrical connection.5. Check the compressed air pressure (5-6 bar) on the air control (12).6. Check to see if the air line is connected properly. Serviceman: Check the push buttons (6 and 7) and the air circuit.
Press head (3) doesn't stay closed	<ol style="list-style-type: none">1. Head (3) should remain closed for as long the timer (9) has been set. Check the timer.2. Operate the buttons (6 and 7) a bit longer until the head is closed. Serviceman: Check the working of timer (9) and check the air circuit.
Press head (3) doesn't get warm	<u>1448/110 1449/110 (steam):</u> <ol style="list-style-type: none">1. Check to make sure the steam shut off valves are fully opened.2. Check the steam pressure. <u>1448/116 1449/116 (electric):</u> <ol style="list-style-type: none">3. Main switch 'ON'?4. Check the temperature on the controlling device (2). Set a higher temperature - lamp (1) should light up as a sign that the head hasn't reached the right temperature yet.5. Check the electrical connection. Monteur: Check the steam circuit and/or the electrical temperature controlling device (2).
Vacuum on bucks (4, 5) insufficient	<ol style="list-style-type: none">1. Check the covering of the bucks, wash them when necessary.2. Use the original Pantex covering Serviceman: Check the vacuum pump (45) and the vacuum eye (44).
Insufficient pressing quality	Increase the pressing duration, the air pressure and/or the temperature (see table temperature adjustment).
Garment has smooth surfaces	Decrease the pressing duration, the air pressure and/or the temperature (see table temperature adjustment).

10 Maintenance and repairs

10.1 Maintenance



Mind your safety!

Before starting maintenance activities:

- Turn 'OFF' the main switch (43), remove the plug from the wall socket, remove air line from air control (12) (Attention: The reservoir of the air control will drain automatically when disconnecting the air line. Catch the water, it may contain oil remains),
- For steam heated machines: close the steam shut off valves (W, see figure 1), blow off steam (Y).
- Let the machine cool down.

• **Air control (12)**

The air filter (12) which is incorporated in the reducing valve, cleans and dries the air supplied from the main line.

Maintenance:

- Check at regular intervals whether dirt or condensate have accumulated in the clear plastic bowl.
- **Warning! The compressed air line should be removed.**
- Clean the air filter as follows:
 - unscrew the plastic bowl;
 - empty the bowl and clean it with petrol or turpentine (never use acids or detergents);
 - screw the bowl on the valve.

Make sure that the sealing ring presses evenly on its seat and the bowl is properly and firmly tightened (by hand).

10.2 Repairs/Dismantling



Mind your safety!

Before starting repair or dismantling activities:

- Turn 'OFF' the main switch (43), remove the plug from the wall socket, remove air line from air control (12) (Attention: The reservoir of the air control will drain automatically when disconnecting the air line. Catch the water, it may contain oil remains),
- For steam heated machines: close the steam shut off valves (W, see figure 1), blow off steam (Y).
- Let the machine cool down.



All repair activities are to be carried out by a qualified serviceman.

For repair activities consult addition A containing detail drawings with spare parts.

To be able to execute the repair activities, the panels mounted on the frame of the machine can be removed.

In case some parts have become defective, contact the distributor to order new parts (see table 'spare parts').

Use only original PANTEX parts!

When the repairs have been completed, put the panels back into place before taking the machine into operation again.

10.3 Adjustments



Mind your safety!

Before starting adjustment activities:

- Turn 'OFF' the main switch (43), remove the plug from the wall socket, remove air line from air control (12) (Attention: The reservoir of the air control will drain automatically when disconnecting the air line. Catch the water, it may contain oil remains),
- For steam heated machines: close the steam shut off valves (W, see figure 1), blow off steam (Y).
- Let the machine cool down.



All adjustment activities are to be carried out by a qualified serviceman.

- Pressure switch (37)

The pressure switch (37) takes care for overtaking the closing of the head when the head is closed properly. Overtaking the closing of the head means that the push buttons (6, 7) can be released without opening of the head again.

Adjustment:

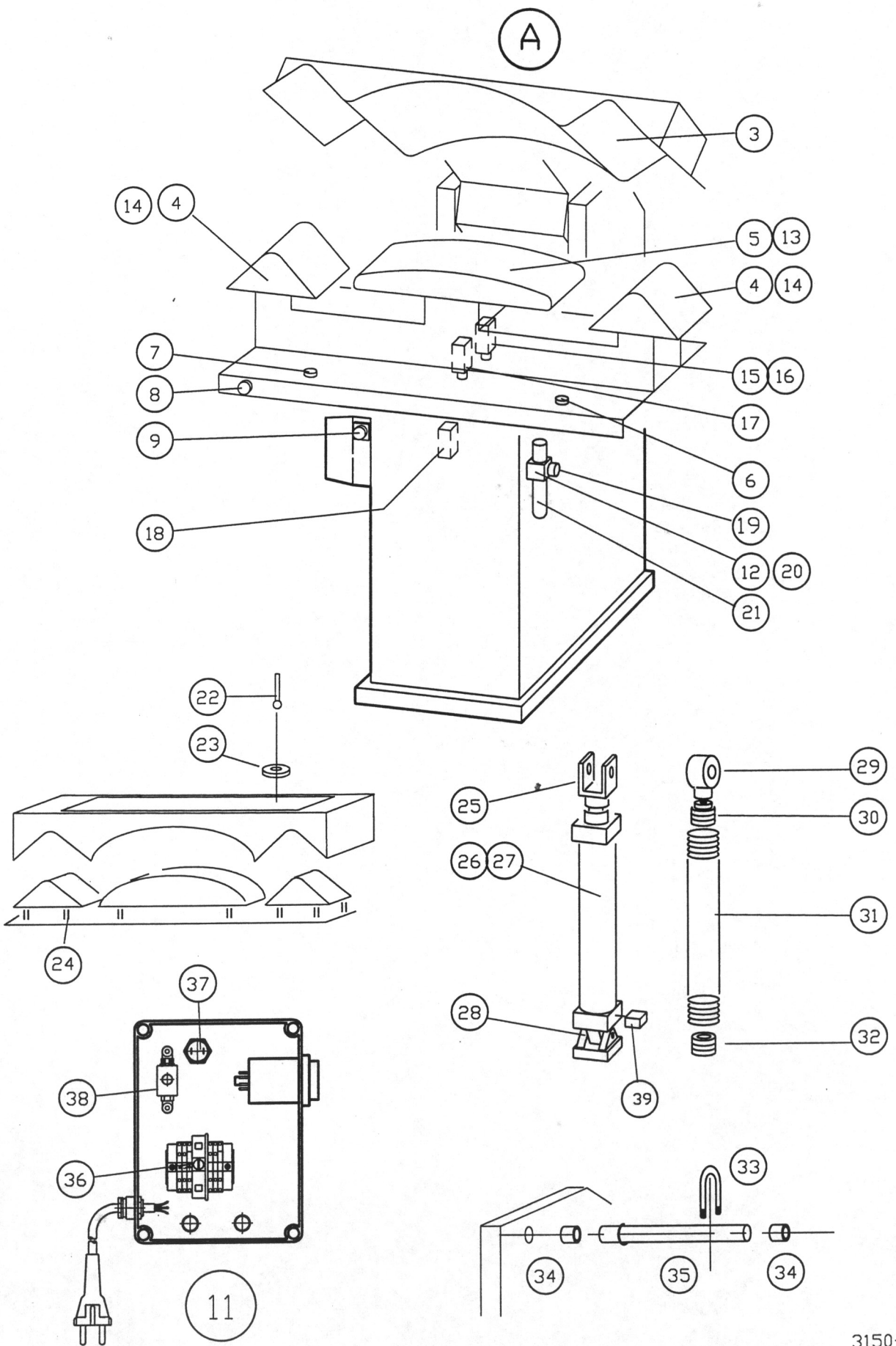
- Shut off the pressure switch (37) totally (the closing of the head will not be overtaken or after a long time).
- Turn the pressure switch back again little by little, until the closing of the head will be overtaken when the press is closed properly.

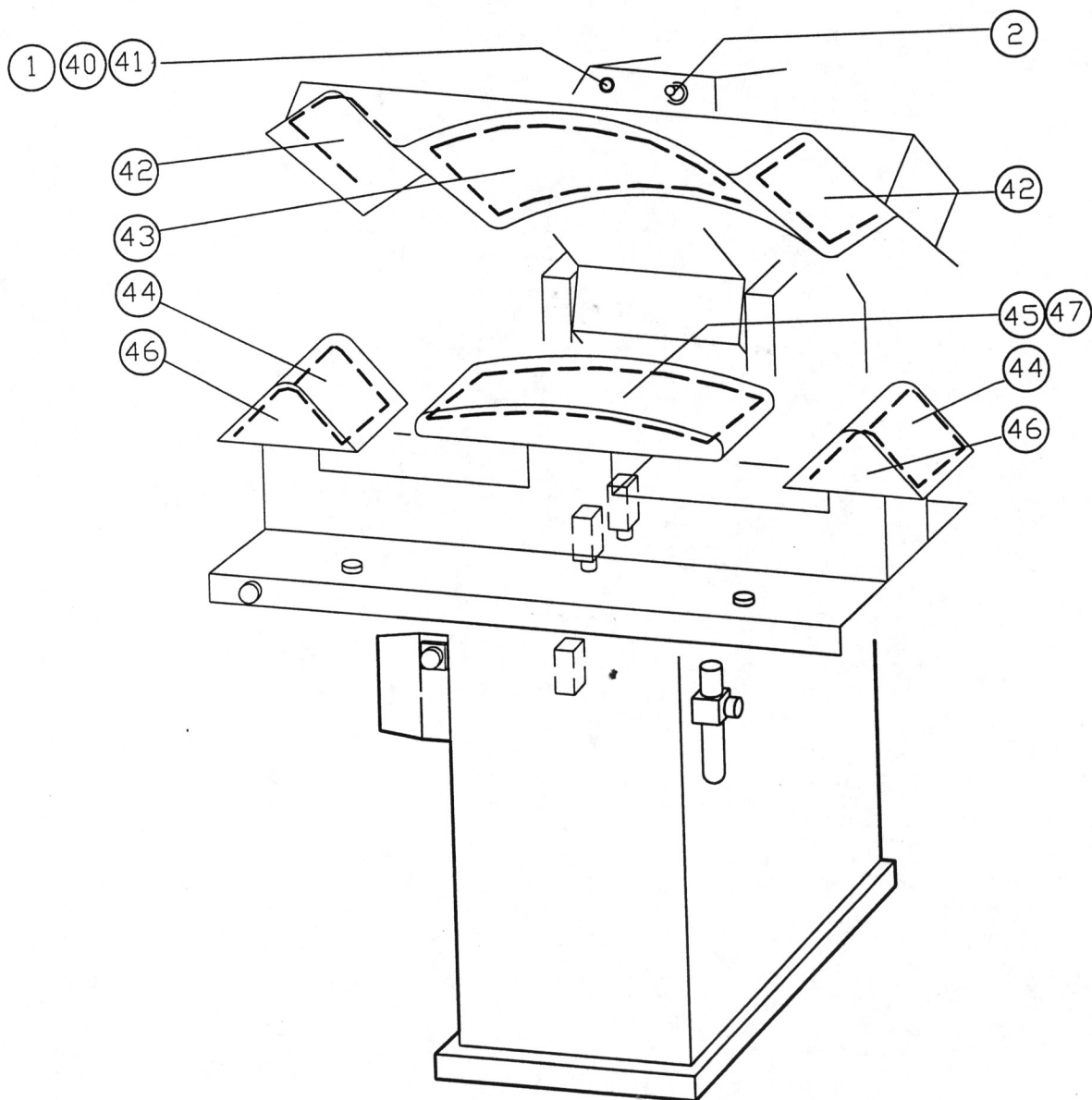
11 Spare parts

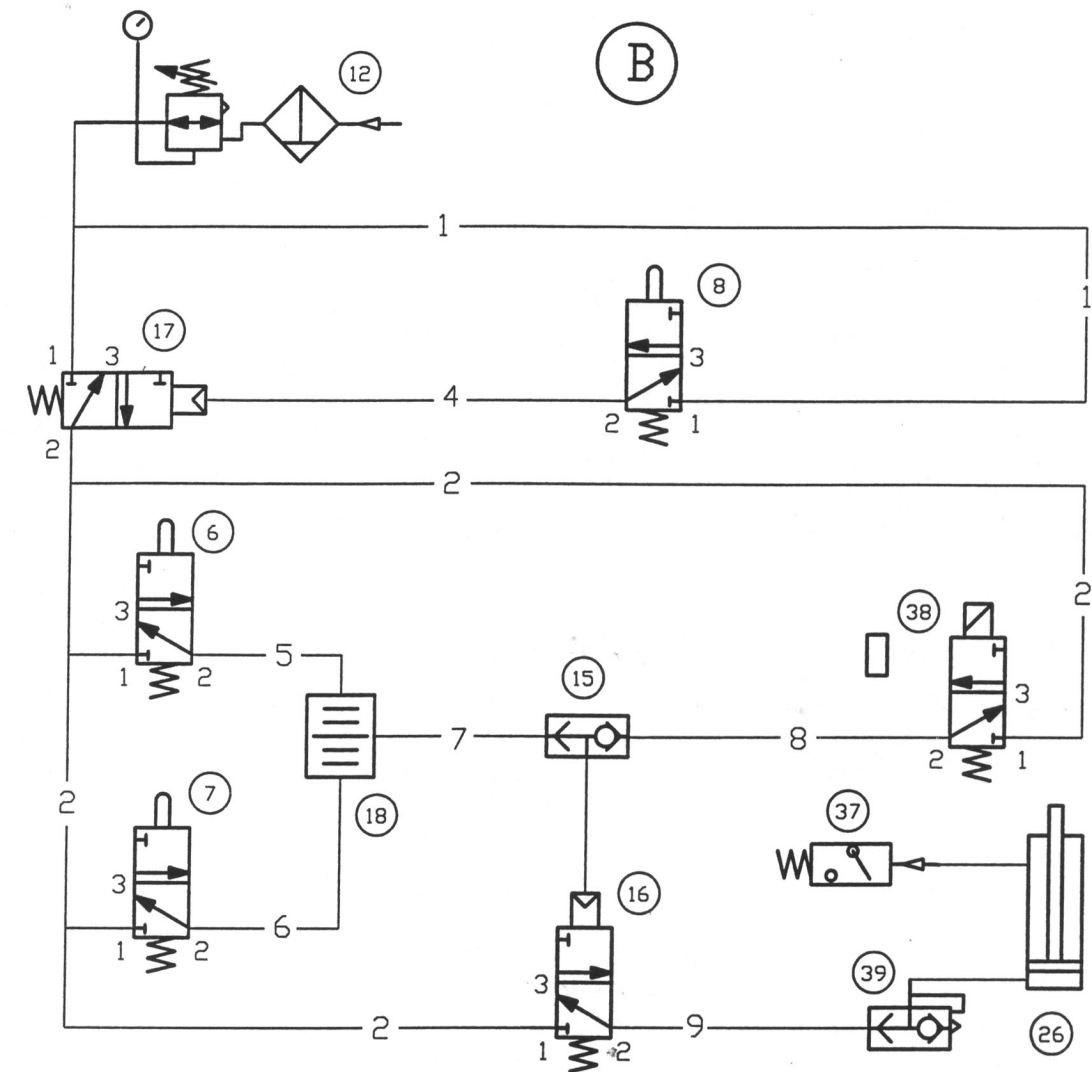
Order spare parts by contacting your distributor.

Table: Spare parts

Nr.	Parts	Art.nr.	Nr.	Parts	Art.nr.	Nr.	Parts	Art.nr.
1	Neon lamp (/116)	70483	26	Closing cylinder	118576	51		
2	Thermostat (/116)	70741	27	Repair kit	118792	52		
3	Head assy	102271	28	Cylinder support	118667	53		
4	Buck assy Right Left	102389 102390	29	Heim ball	85010	54		
5	Buck assy	102388	30	Spring plug	911	55		
6	Push button Switch element	70497 70480	31	Balance spring (2x)	55064	56		
7	Push button Switch element	70497 70480	32	Spring plug	902	57		
8	Stop button	117100	33	Shaft clamp	95761			
9	Timer	70828	34	Bearing	81058			
10	Air valve	118573	35	Head lever shaft	95674		Only 1448/116:	
11	Relay	70588	36	Fuse 0,125A slow	70730	60	Indicator	70482
12	Air control	118551	37	Pressure switch	70749	61	Lamp holder	70481
13	Covering collar	118729	38	Solenoid valve	117786	62	Heating element	70754
14	Covering cuff	118730	39	Exhaust valve	110025	63	Heating element	70756
15	Transformer	70811	40	3/2 Air valve	118541	66	Covering cuff	118732
16	Timer	70828	41	Air valve 1/8	118572	67	Covering collar	118731
17	Relay	70588	42	Protecting bar	21248			
18	Magnet switch	70808	43	Main switch	70775			
19	Gauge	80961	44	Photo electric sensor	70848			
20	Repair kit	118634	45	Cat blower	118171			
21	Bowl	118635	46	Air flow valve ¼	95369			
22	Ball stud	19924	47					
23	Flange	19925	48					
24	Thermical relay	70914	49					
25	Clevis with pin	95724	50					







PA 1447/110+116

(C)

