THE MELTING OF CHOCOLATE FOR THE JKV30

- Plug the machine into the socket.
- Fill the container with approx. 20 Kg of chocolate in small blocks or drops.
- Check the emergency-knob (nr.52).
- Set all switches to 0 (nr.51) before turning on the main switch (nr.50).
- Push the main switch (nr. 50).
- Switch on the heating.
- Set the thermostat at 45ºC.
- Put the cover on the machine.

In approx. 6 hours the chocolate will be melted.
Therefore it is advised to do this melting overnight.

THE TEMPERING OF CHOCOLATE

- Lift off the cover.
- Check if all chocolate, also behind the wheel, has melted.
- Solid chocolate, still remaining there, should be cut loose of the wheel before switching on the motor.
- Switch on the motor and reduce the thermostat to 29º C.
- To speed up the cooling down and to obtain a perfect crystallization, bit by bit, small quantities of chocolate (to a maximum of 3 Kg) are added in small blocks, drops or shavings.

After a temperature of 29º C has been reached, add a last bit of chocolate and bring up the thermostat to:

34º C for dark chocolate.
32º C for milk chocolate.
30º C for white chocolate.

These temperatures may be slightly different, depending on the brand or quality of the chocolate used!
Tempering-time is about 30 minutes.

THE TEST

- Let a few drops of chocolate run on a knife or waxed paper.
- Does this chocolate set shiny and crispy this takes approx. 10 minutes the chocolate is well-tempered and ready to use.

THE MOULDING AND VIBRATING

- When molding, always make sure to use clean moulds!

A. Figure moulds:
- Hold the mould, a little oblique, under the nozzle.
- Let the chocolate run in slowly, so that the air in the mould can get out.
- Hold the mould upside down, for a few seconds on the mat of the vibrating-table, which is switched on.
- Then, let the chocolate run out of the mould, back into the container with a rotating move.
- Put the mould with the bottom down on a grille.
- After a few minutes the mould can be scraped off and placed in the cooling.

B. Moulds for sweets and full-chocolate:
- Hold the mould, a little oblique, under the nozzle and let some chocolate flow on it.
- Spread this chocolate with a raker over the whole surface of the mould.
- Scrape the top and the sides and put the mould for a few moments on the mat of the vibrating-table to let the air out.
- Meanwhile the next mould can be filled.
- Full-chocolate moulds can be placed in the cooling now.
- Moulds for sweets or filled chocolates are being turned on the grille-part of the vibrating-table so that the surplus of chocolate will flow back into the container.
- Scrape-off the mould once again and put it in the cooling.
- After filling the moulds can be closed. Therefore always keep the filling approx. 3mm from the top of the mould.

AFTER MOULDING:

- Switch off the motor.
- Add small blocks of chocolate (up to a total of 20 kg).
- Set the thermostat to 45º C.
- Wheel and vibrating-table should be well-cleaned. Take-off the collector and wash it.
- Put the cover back on the machine.

THE COMPLETE CLEANING OF THE MACHINE

- Take-off the collector.
- Unscrew the flange with the key that is supplied with the machine.
- Take-off the wheel.
- Wash the machine with warm water (not hot water!).
- Dry the machine thoroughly with a clean cloth.
- Replace the wheel, flange and collector.

MAINTAINANCE

The life-time of your machine will be much longer if it is always kept clean very well!

Make sure that you always check if all chocolate has melted before switching on the motor!

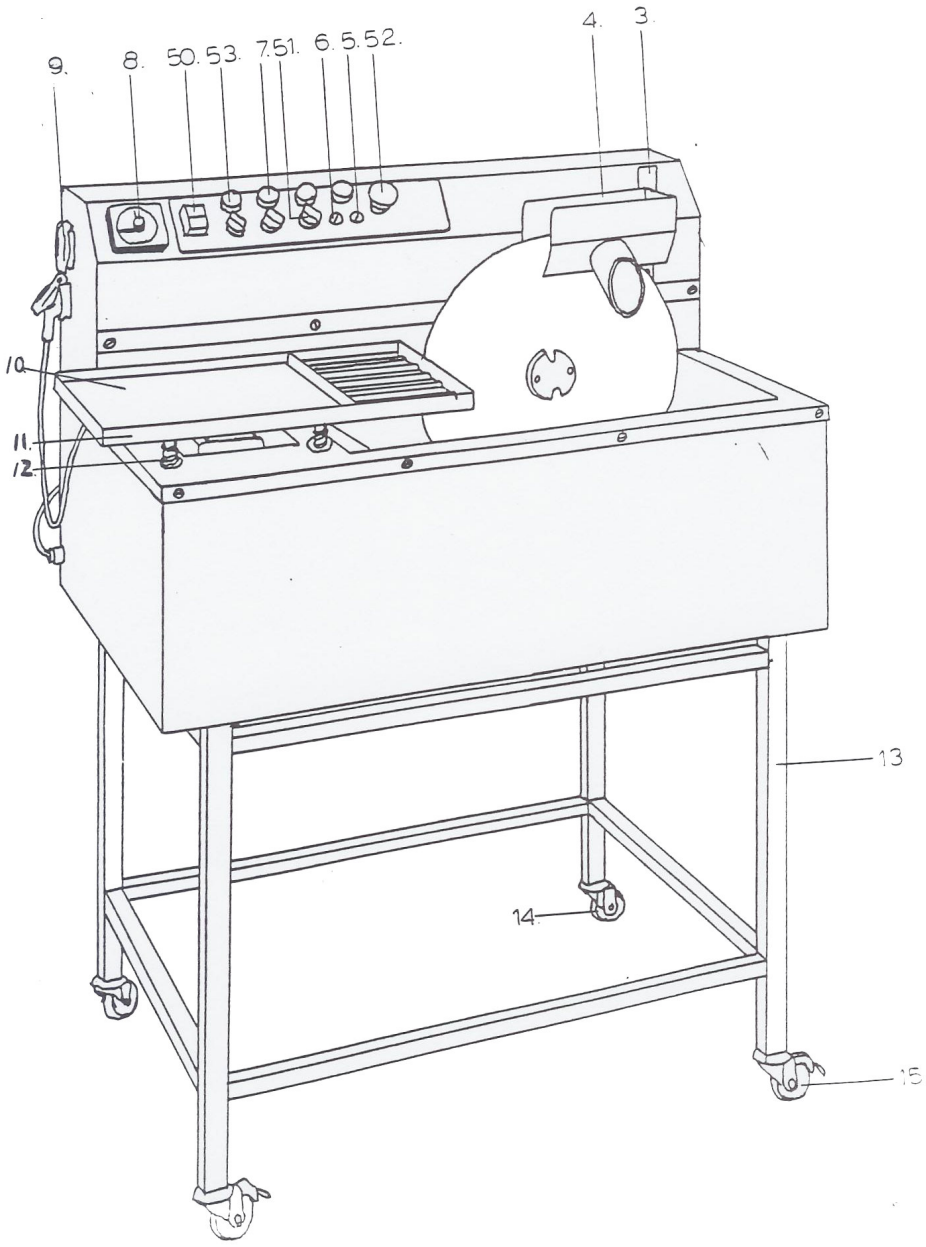
PARTS OF THE HERMES JKV 30

1 Flange.
2 Wheel.
3 Support for the collector.
4 Collector.
5 Fuse total system 10A.
6 Motor-fuse 4A.
7 Signal-lamp.
8 Thermostat.
9 Plug.
10 Rubbermat
11 Vibrating-table.
12 Spring to support vibrating-table.
13 Trolley.
14 Trolley-wheel without stop.
15 Trolley-wheel with stop.
16 Flange behind the wheel.
17 Oil-seal Ø 20.
18 Ball-bearing.
19 Ball-bearing-house.
20 Ball-bearing.
21
22 Support of ball-bearing.
23
24 Driving-rod of the wheel-arm.
25 Cog-wheel z=23.
26 Main axle.
27 Ball-bearing.
28 Wheel-arm.
29 Ball-bearing.
30 Chain.
31 Cog-wheel with pin z=21.
32 Connection-link of the chain.
33 Bearing-block.
34 Cover.
35 Stirrer.
36 Protector behind the wheel.
37 Heating-element.
38 Nylon-ring Ø 50.

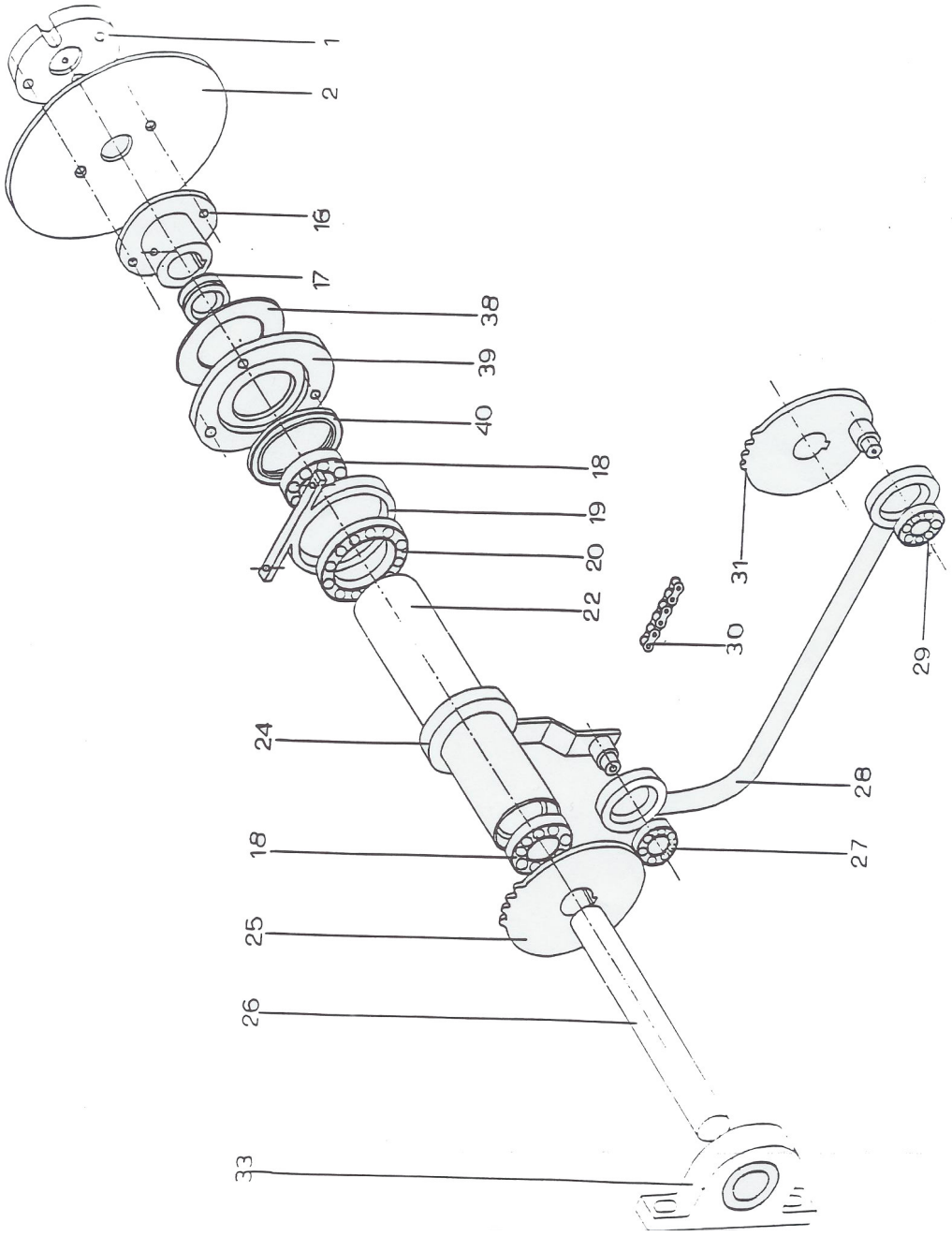
39 Seal-cover.
40 Oil-seal Ø50.
41
42
43 Lip of collector.

50 Main-switch.
51 Switch.
52 Emergency-knob.
53 Green lens to protect lamps.

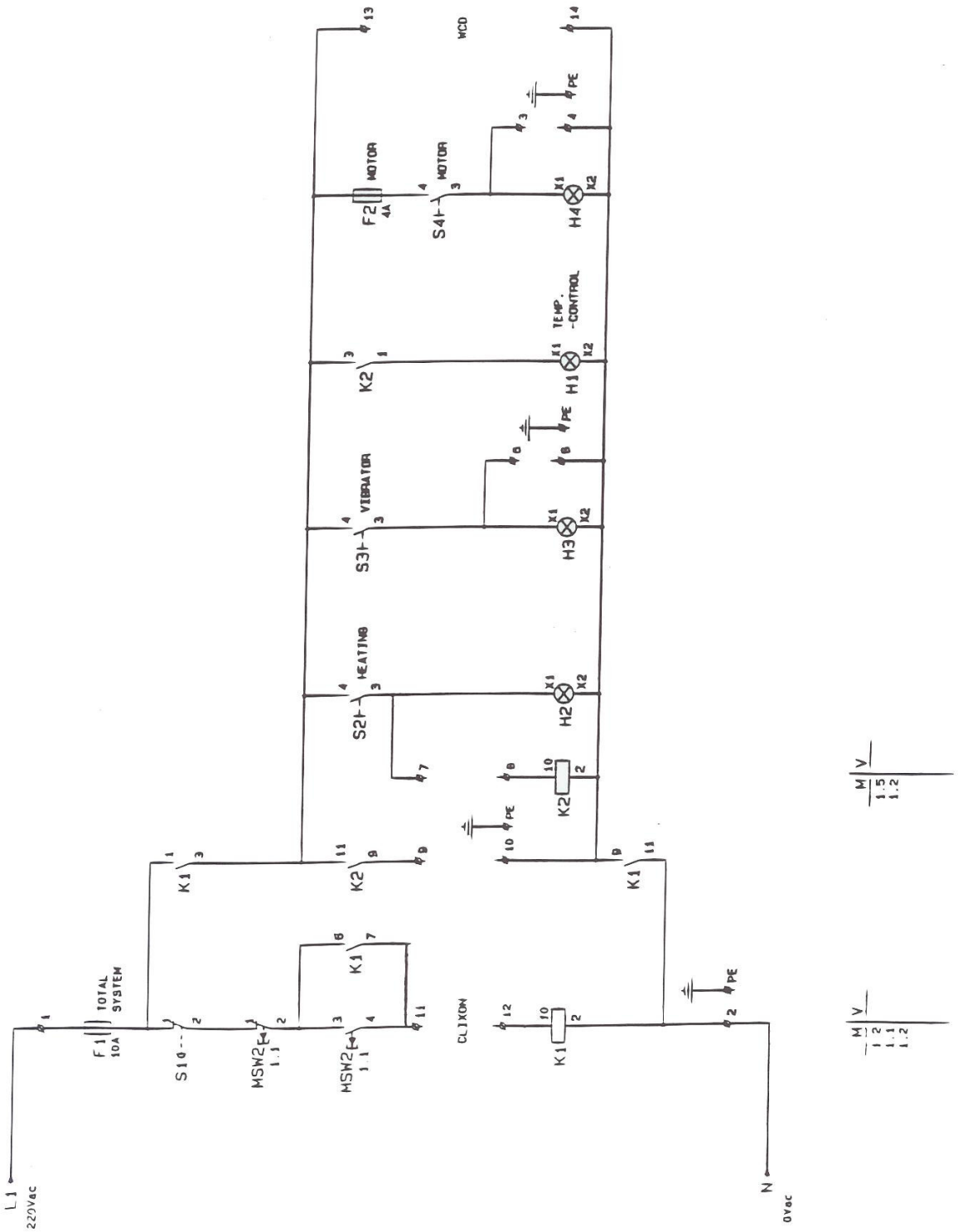
HERMES JKV 30



Hermes JKV 30



Electrical Schedule



MANUAL STÖRK TRONIC TEMPERATURE CONTROLLER

Setpoint adjustment

The controller is normally at the Setpoint Level. Under normal working conditions the display shows the actual value of the process temperature. The control temperature (Setpoint 1) is displayed by pressing the SET button. If the SET button is pressed with either the UP or DOWN button Setpoint 1 is increased or decreased.

Second level (P-level)
Setting of control parameters.
In order to prevent accidental or unauthorised changes to the pre-set parameter values, access to the Parameter Level has been made difficult.
Simultaneously pressing the UP and DOWN button for about 3 seconds switches the controller to the Parameter Level, and allows adjustment of the P parameters. The display now shows P1.
To display and adjust the value of P1, press the SET button and the existing value of P1 is displayed.
By simultaneously pressing the SET button and either the UP or DOWN button this value can be increased or decreased as required. Release the UP or DOWN button before releasing the SET button and the new value is saved into the non-volatile memory.
Use the UP or DOWN button to select the remaining P-parameters, ande these can be adjusted in a similar manner.

To return to the operating mode: Simultaneously press the UP and DOWN button for aprox. 3 seconds and the display wil again show the process temperature. In any case if no adjustment of the parameters is made for 30 seconds, the controller will automatically return to the operating mode.

Parameter	Functions	Adjustable range	Standard Setting	Customer Setting
P2	Hysteresis K1	0,5,,,99,9º K	1,0º K	
P4	Control Range Limitation Minimum Setpoint	_99,,,P5	_99º C	Oº C
P5	Control Range Limitation Maximum Setpoint	P4,,,999º C	999º	60º C
P6	Actual Value Correction	_20,0,,,+20,0º K	0,0º K	
P19	Keyboard lock (Setpoint lock)	**0: Not locked** 1:Locked	0	
P30	Lower Boundary Value for alarm	_99,,,999º C	_99º C	
P31	Upper Boundary Value for alarm	_99,,,999º C	999º C	
P32	Hysteresis alarm values (one-side)	0,5,,,99,9º K	1,0º K	
d0	Defrost Interval	**1,,,99hours 0: no defrost**	**0**	
d2	Defrost Temperature	_99,0,,,999,0º C	10º C	
d3	Defrost Time Limit	1,,,99 min 0: Without time limit	30 min	

Third level (A-level)
Simultaneously press the UP and DOWN button for about 3 seconds and “P1” appears in the display. Press the UP button until the highest p number is displayed. Keep the UP button pressed for a further 15 seconds and the display will change to “PA”. Simultaneously press the UP and DOWN button until “A1” is displayed. The controller is now in the A-Level, and the parameters can be adjusted using the same method as in the P-Level.
To return to the operating mode: Simultaneously press the UP and DOWN button for aprox. 3 seconds and the display wil again show the process temperature. In any case if no adjustment of the parameters is made for 30 seconds, the controller will automatically return to the operating mode.

Parameter	Functions	Adjustable Range	Standard Setting	Customer Setting
A1	Switch mode K1	0: Heating contact 1: Cooling contact 2: function alarm K1 3: function alarm K1 invertet	1	0
A3	On Sensor Error (K1 Relay action)	**0: Relay off** 1: Relay on	0	
A8	Actual value display (Parameters remain 0,1º K resolution)	0: Whole numbers **1: 0,5º K resolution** 1: 0,1º K resolution	1	
A19	Parameter Locking	**0: No lock** 1: A-Parameter locked 2: A&P-Parameters locked	0	
A30	Boundary Alarm (K3) (Buzzer)	**0: Boundary alarm relative boundaries** 1: Boundary alarm, absolute boundaries 2: Range alarm, relative boundaries 3: Range alarm, absolute boundaries	0	
A31	Other alarm functions	**0: Without function** 1: Display flashing 2: Buzzer active 3: Display flashes and Buzzer active	0	
A40	Hysteresis K1	0: Symmetrical **1: One side of setpoint**	1	
A50	Minimum ON Time K1	0,,,999 sec	0 sec	
A51	Minimum OFF Time K1	0,,,999 sec	0 sec	
A54	Time Delay relay K1 After Mains ON	0,,,999 sec	0 sec	
A56	Alarm Signal Delay After Mains ON	0,,,60 min	20 min	
A80	Temperature Scale	0: Fahrenheit **1: Celsius**	1	
Pro	Program Version	_	_	