

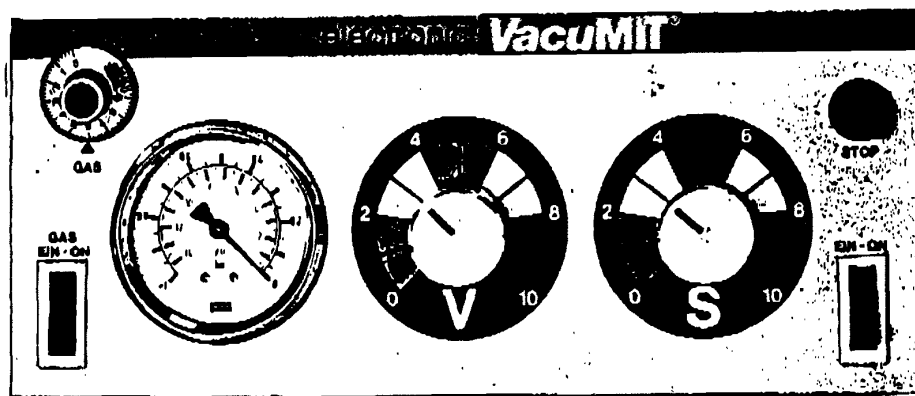
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OPERATOR CONTROLS AND INDICATORS

General.

All operator controls and indicators are located on the front cover below the chamber lid assembly within easy access and viewing by operation.



Gas flush is optional

Operator controls.

Standard on all VacuMIT machines are two controls, however if the machine contains the Gasflushing Option a third control is added to the control panel.

All machines contain two "time" adjusting control knobs and each control knob has printed behind it calibrated marking from 0 through 10 for selection and setting the time period controlled by that knob.

Quick Vacuum Stop: Red push button on the extreme right side of control panel.

We recommend it for instance, when packing warm or hot sauces or gravy. Warm gravy starts to bubble under vacuum very spontaneously. If, however, you do need to package liquid stuff, you must be able to cut off the vacuum at exactly the right moment. Press the interrupter button (STOP) as soon as you see a lot of bubbles forming in the pouch through the Plexiglass lid. The package will be sealed closed immediately.

This feature is also very practical if you are packaging varying contents in pouches. If contents of pouch is sensitive to pressure, press the button, when the right level of vacuum has been reached.

ON - OFF Flip Switch illuminated

Actuate machine with Flip Switch below the interrupter button. Indicator light is flashing up. Close the chamber lid. The sequence of operations of the cycle are carried out automatically by the machine.

Sealing control knob-

To the left of the ON - OFF Flip Switch is another time control knob called the Sealing Time Control and is identified by the symbol " S ". It controls the length of time the Seal Bar is heated and applied to the open pouch end to seal the pouch. The maximum time period which may be selected by this control is 1,5 sec.

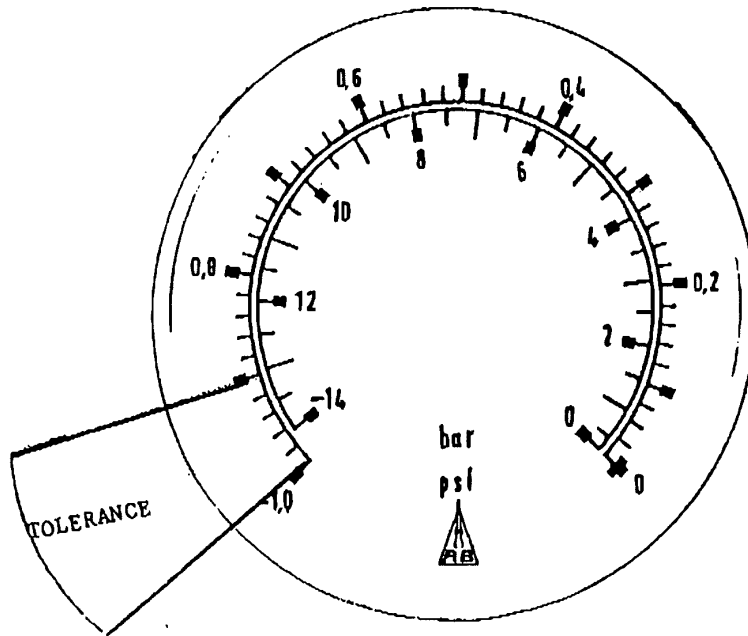
Evacuation Time Control knob.

To the left of the Sealing Time Control, next to the Vacuum Gauge is another control knob called the Evacuation Time Control and is identified by the symbol " V ". It controls the length of time the pouch is evacuated. The maximum time period which may be selected by this control is 30 seconds.

OPERATOR INDICATORS.

A front panel Vacuum Gauge provides a relative indication as to the amount of evacuation afforded the pouch within the chamber. The gauge is read from right to left. 0 BAR to -1.0 BAR.

During normal machine operation the gauge will indicate a maximum evacuation reading of -0.9 to -1.0 BAR for several seconds.



SAFETY PRECAUTIONS

General

The VacuMIT is designed to provide the maximum degree of personal safety if operated properly. Electrical shock hazard exist if the machine is plugged into a power outlet and its cover assembly is elevated from the base assembly. The cover assembly should not be raised if the machine is plugged into the power source.

„Should the Cover Assembly need to be raised, first unplug the machine from outlet.“

Machine repair or maintenance should be performed by outhorized and qualified personel only, especially when troubleshooting a suspected electrical or pneumatic problem.

Care should be exercised when inserting hands into the chumher, as Seal Bar retains heat, during long time operation.

PAY ATTENTION TO FOLLOWING PARAGRAPHS!

Warning

Under no circumstances should the earth line (yellow - green) and the zero conductor (blue) be interchanged. If there are frequent changes in the location of operation, it is advisable to bring the phases of the plug sockets into line with the machine phases.

When the lid will not be sucked tight

Electronically operated machines need a zero conductor. With regard to this let your electrician check your sockets.

Note:

If the machine is shipped in winter or stored in very cold rooms, it is possible that the rigid oil will prevent the vacuum pump from starting. If this should happen, run the machine two or three times and zero load. While doing this, press the lid downwards.

Operating preliminaries

Check the oil level prior to start up as oil may have leaked out during transport. The machin's oilsight gauge should be full up to the filling mark. Do not top up above this mark. Too much oil can damage the vacuum-pump. Only top up with standard multigrad oil SAE 10 W 30.

Start the machine

Turn the switch to the „ON“ position. The red indicator lamp will light up. The motor will not start running while the chamber-lid is open. Please close the lid, then motor starts and vacuum is drawn.

Possible sources of malfunctioning

In case of threephase 220/380 V motors, it may be neccessary to alter the rotational direction of the motor.

Turn the machine off immediately. Pull out the plug and unscrew it. Interchange the phases R + T (the two black cables).

OPERATING THE MACHINE

General

Operating the VacuMIT is almost foolproof. Before a pouch containing product can be evacuated, gasflushed if so equipped, and sealed, proper time settings must be made on the Evacuation, Gasflushing and Sealing Time Controls. After first sealed package is removed from the machine, inspect carefully to ensure that proper amount of evacuation has been obtained, or if gasflushing has been accomplished verify that proper amount of gas has been inserted into the pouch, and check the pouch for secure seal. Make appropriate time control changes as required and produce a subsequent package and reverify for correct packaging. Once a properly evacuated, gasflushed and sealed pouch is generated for a specific product size and pouch size, record all front panel time control knob settings for future use.

FILLING THE POUCH

Place product in pouch bag. Ensure that pouch size is commensurate with product size as too small a pouch creates wrinkles that interfere with sealing; pouches that are too large result in film waste and are more easily punctured in handling after sealing. The pouch should extend past the product about 70 mm in length and 20 mm on each side in width. For products with sharp edges or bones the pouch interior should be protected by overlapping the bone or sharp edge with a protective cover. Ensure open end of pouch is free of foreign matter and excess moisture in the sealing zone before inserting it into the machine's chamber.

SIZE THE CHAMBER

Spacer boards should be removed or added to the chamber so as to position one-half of the filled pouch below the seal bar and the other half of pouch above the bar as shown in the diagram on the following page. This permits the open end of the pouch to be in a horizontal position for maximal free flow of air. For best results similar sized products should be packaged at the same time.

LOADING THE CHAMBER FOR POUCH EVACUATION AND SEAL OPERATION

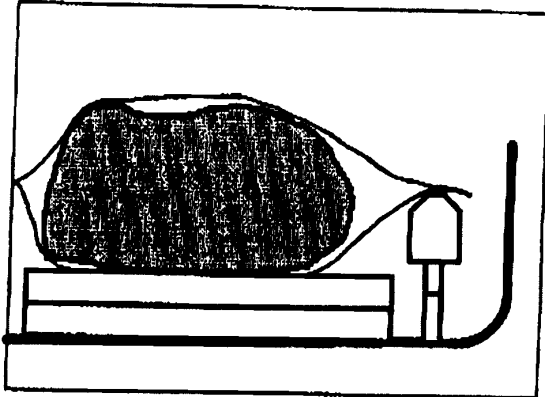
Place filled pouch into chamber with open end extending approximately 40 mm past the Seal Bar. The open pouch where it rests against the Seal Bar must be free of wrinkles, foreign matter, fat, and excess moisture. To remove wrinkles from the open end of the pouch, press down on the pouch at the center of where it rests against the Seal Bar with both thumbs and reaw them outwards in opposite directions removing pouch wrinkles. The chamber is capable of packaging more than one pouch at a time providing pouch ends do not overlap one another when placed over the seal bar. Fold down end of pouch lying across the Seal Bar into well area between Seal Bar and front of chamber.

LOADING THE CHAMBER FOR POUCH EVACUATION, GASFLUSHING AND SEAL OPERATION

Place filled pouch into chamber with open end extending approximately 50 mm past the Seal Bar so the gassing nozzle(s) enter approximately 7 mm into the open end of pouch. The open pouch end where it rests against the seal bar must be free of wrinkles, foreign matter, fat, and excess moisture. The chamber is capable of gasflushing up to two pouches at a time providing each pouch open end has a gassing nozzle inserted and pouch ends do not overlap one another when placed over the Seal Bar.

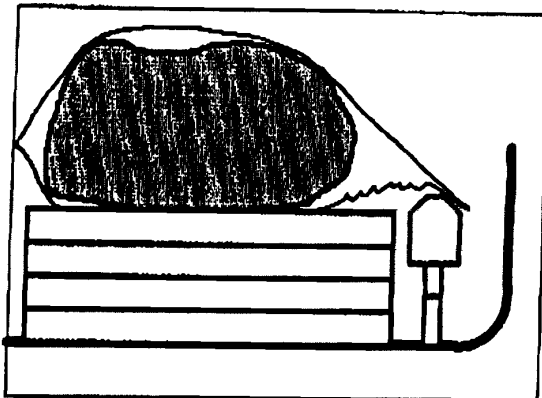
Compensation with filler plates

Warning: Between the pouch and the lid should be a minimum distance.



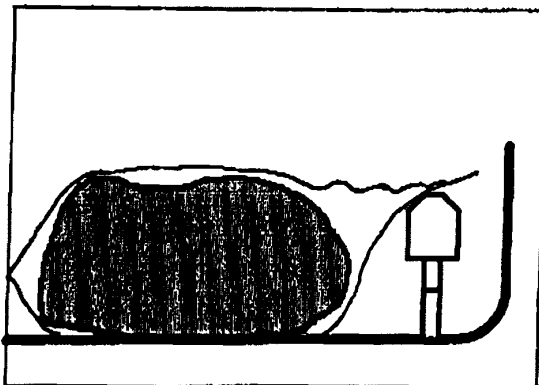
RIGHT

The open side of the pouch is in the middle to the top of the seal bar



WRONG

Pouch is too high



WRONG

Pouch is too deep

SETTING GASFLUSHING (GASFLUSHING MACHINES ONLY)

Gasflushing level is controlled by the setting of the Gasflushing (and Vacuum) Control Knob.

Gasflushing gas pressure is determined by external gas cylinder pressure regulator. Therefore pouch gassing dosage is controlled by gas cylinder pressure regulator setting and the length of time gas is applied to pouch per Gasflushing Control Knob setting.

SETTING SEALING TIME

Sealing time is controlled by the setting of the SEALING CONTROL KNOB located on the operator panel. As control knob calibration marking indicate from 0 to 6 a setting of 3 or mid-range would result normally a appropriate sealing for 90 μ thickness of pouch film.

As setting on this control knob controls how long Seal Bar heat is applied to seal the pouch care must be exercised so pouch film is properly sealed.

The desired heat sealed welded seam should be clear and distinct. An opaque or bubbly seal indicate that the Sealing Time Control setting is too high and should be lowered. A split seal or a seal that pulls apart by hand pressure requires an increased Sealing Control Knob setting.

PREVENTIVE MAINTENANCE

GENERAL

The operational reliability of the VacuMIT can be assured provided proper preventive and corrective maintenance is afforded the machine. The machine does not require much maintenance to keep it operational. The following recommended Preventive Maintenance Schedule is designed for machines which receive the normal amount of usage and is not intended to be all inclusive. However it will assure long machine life.

Daily or Shift Change

Clean exterior surfaces of the machine with non-abrasive low alkaline detergent and wipe dry.
Clean interior chamber surface and spacers with non-abrasive low alkaline detergent and wipe dry. Wipe seal bar clean with damp cloth containing carbon-tetrachloride or trichlorethylene.

DO NOT USE WATER TO CLEAN SEAL BAR SURFACE !!!

Never scrape seal bar surfaces with hard or sharp edged implement to remove stuck or baked product residue, or melted and hardened film residue.

Verify Vacuum Pump oil level. Oil level should be at center of sight glass, located to the back side of the Vacuum Pump when viewed from the outside rear of the machine. The oil level must never fall below the red line marking. Fill oil reservoir as required with SAE 10 non-detergent motor oil, obtainable in every gasolin-station.

Monthly

Check the retention chamber lid opening gas-damper as required. Lid should not drop downward toward the top of the chamber after it opened automatically.

Grease shaft of gas-damper with motor-oil;

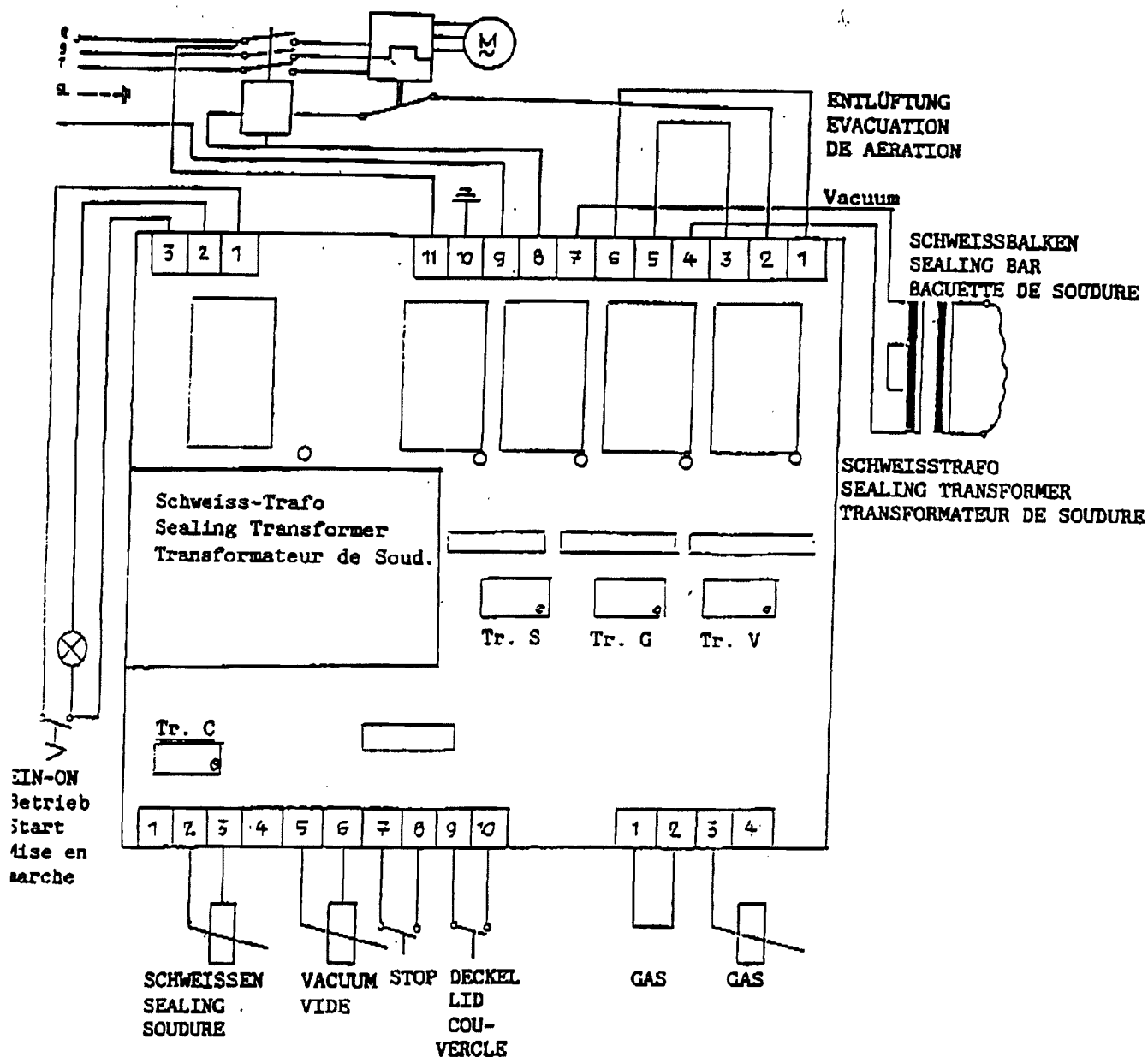
Change Vacuum pump oil as required. Drain used oil via oil drain plug and refill with 0,5 liters Sae 10 non-detergent motor oil.

CIRCUIT SCHEME

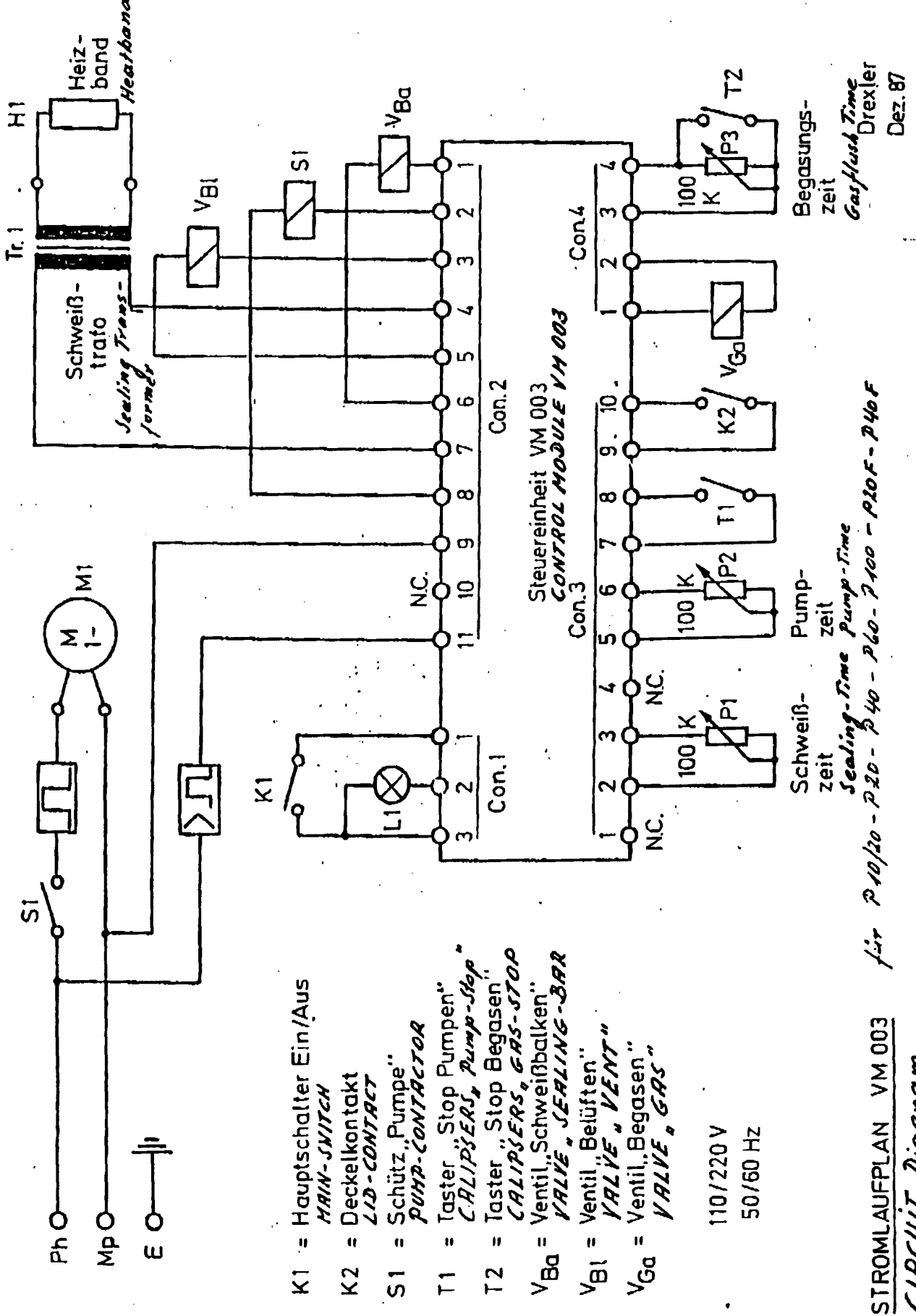
PLAN D L'ELECTRONIQUE

NETZ-NET-SUR SECTEUR

ELECTRONIC PLAN

INFORMATION : ZEITEINSTELLUNG/TIME SETTING/REGLAGE DE LA TEMPORISATIONTr.V = Vakuum/Vacuum/VideTr.S = Schweißen/Sealing/SoudureTr.G = Gas/Gas/GazTr.C = Abkühlzeit/Cooling Time/Refroidissement+ = Einstellschraube nach rechts/ AdjustmentScrew to right/ Vis d'ajustage a gauche- = Einstellschraube nach links/ AdjustmentScrew to left/Vis d'ajustage a gauche

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VACUMIT-Elektronik	



IMPORTANT FOR MACHINE - WIRING !

The 3 multiple plugs on the p.c. board are marked with numbers.

Plug No. 1) multiple plug for 11 detached contacts marked from 1 - 11

- 1 and 6 = solenoid valve sealing
- 2 = bimetal
- 3 and 5 = solenoid valve for re-aeration of chamber
- 4 and 7 = sealing transformer
- 8 = protective motor switch
- 9 = mains cable zero contactor on protective motor switch
- 10 = earthing wire (bottom plate)
- 11 = over-current release

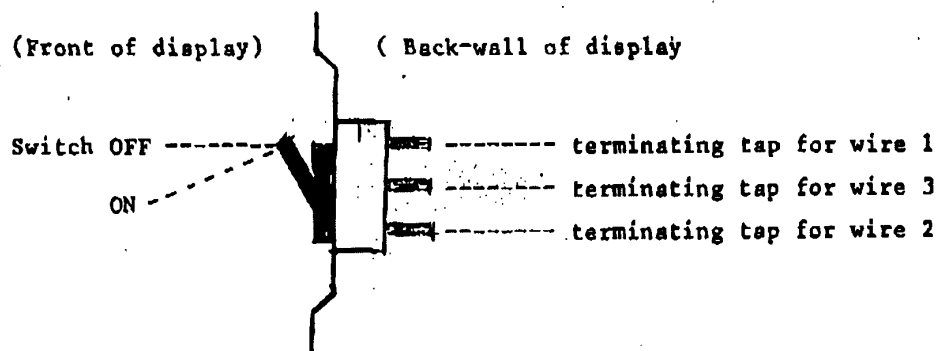
Plug No. 2) multiple plug for 10 detached contacts marked from 1 - 10

- 1 = without connexion
- 2 and 3 = potentiometer sealing
- 4 without connexion
- 5 and 6 = potentiometer vacuum
- 7 and 8 = emergency knob
- 9 and 10 = limit switch

Plug No. 3) multiple plug for 3 detached contacts marked from 1 - 3

- 1 = terminating tap for wire marked 1 (always upper tap)
- 2 = terminating tap for wire marked 2 (always bottom tap)
- 3 = terminating tap for wire marked 3 (always mid tap)

Sketch for plug No. 3



GENERAL MANUFACTURER'S GUARANTEE:

VacuMIT's guarantee to the owner of the registered VacuMIT Vacuum Packing Machine is that said Machine is free of material or production defects.

- a.) VacuMIT will supply free of charge any parts which need replacement, due to faults or defects during the guarantee period, which is valid for 12 month from the delivery date of the machine. Exchanged defective parts must be returned to the manufacturer
- b.) The official VacuMIT dealer or agent will repair or replace with exchange parts, all defective materials which are covered under this guarantee, at no cost to the customer. Repair or replacement is at the dealer's or agent's discretion.
This is subject to provision 1 - 5 below.
- c.) This guarantee is not valid for:
Repairs and / or replacement of parts, the need for which cannot be traced back to material and for production faults on the parts of the manufacturer and caused by:
 - 1.) Damage as a result of an accident.
 - 2.) Defects as a result of mis-handle or carelessness.
 - 3.) When instruction or periodic services not being carried out according to user's manual which is added to every VacuMIT vacuum packing Machine.
 - 4.) Repairs carried out by other than VacuMIT dealers as well as damage to machines as a result of repair work, carried out by the owner.
 - 5.) Alterations made to the machine without the permission of the manufacturer.
- d.) Filter, Fuses, sealing bars, wheels, rubber gasket, silicon strip of counterbar subject to normal operating wear and replacement.
- e.) Please specify order No. Machine typ and machine No. when ordering spares.

ÖLWECHSEL

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Ölwechsel darf nicht bei laufendem Motor durchgeführt werden, jedoch bei warmer Pumpe, also direkt nach mindestens 5 Arbeitsabläufen.

Ölablaßschraube¹ entfernen, Altöl völlig ablaufen lassen und Schraube wieder befestigen.

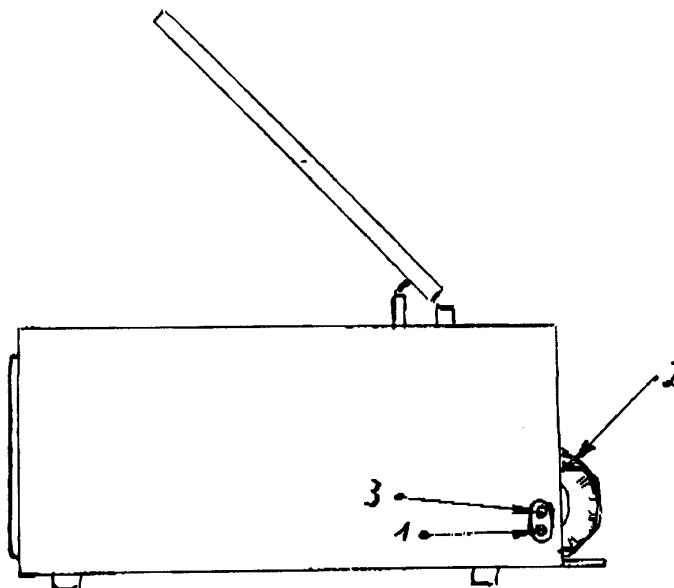
Öleinlaßschraube² entfernen, ca. 0,75 l. Mehrbereichsöl SAE 10 - 30 oder eines der unter "INBETRIEBNAHME DES GERÄTES" Abschnitt 2 aufgeführten Markenöle, bis zum Kontrollstrich des Ölschauglases³ einfüllen.

ACHTUNG: Zuviel Öl schadet der Pumpe.

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Hat die Pumpe Wasser, Schmutz oder andere Fremtteile gezogen (Öl im Ölschauglas bleibt auch nach 12 stündiger Ruhestellung der Pumpe schaumig), ist sofortiger Ölwechsel erforderlich. Nach längerem Verpacken von Flüssiggut, Öl über Ölschauglas überprüfen!

Beachten Sie Photokopien der verschiedenen Pumpen und Bedienungsteile.



EST 10 Lc