

Section 6 - 1

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1. Safety tests

Upon completion of every repair job the technician must carry out the following routine tests. Country-specific regulations must be considered.

1.1 Visual check

No obstacles, protruding parts, defective housing, sharp edges in the work area around the machine.

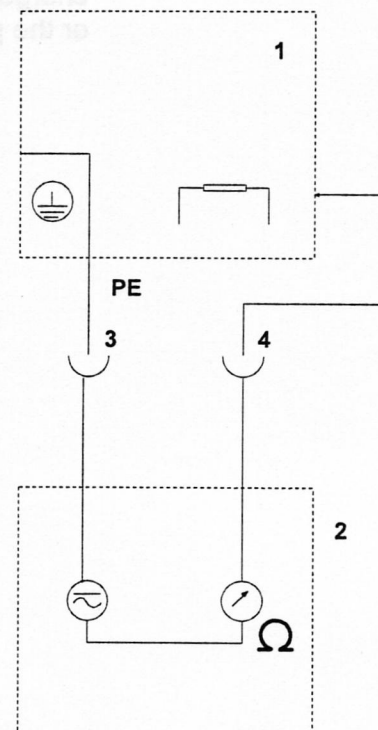
1.2 Tightness check

- Check the hoses and tanks for leaks inside and outside the machine on all supply and drain hoses.
- Remove all water and chemical remainders (observe the disposal regulations for chemicals).

1.3 Electrical check

- The power cord and the cables inside the machine do not show any damage.
- The line fuses have the respective values.
- Air filter and cooling are working.
- No scorch marks or incorrect cable connections are visible.
- Check all ground connections on the metal parts of the panels or frame.
- Upon repairs regarding the mains voltage section the protective earth must be checked (VDE standard). The resistance of the PE with an earthed pin connector is $\leq 0.3 \Omega$, with a fixed connection it is $\leq 0.2 \Omega$ (according to VDE 0702, VBG4 Edition 1997).

- 1 Internal circuit of the machine to be tested
- 2 Measuring equipment for testing the protective earth resistance
- 3 Connection between meter and protective earth
- 4 Connection between meter and conductive parts of the machine to be tested, which may be touched accidentally



2. Safety regulations

2.1 Light tightness of the machine

- The processor must not be installed in an area with direct sunlight (max. 2500 Lux).
- The machine must not be opened during the operation. It is only light tight if all panels are correctly mounted.

2.2 Cover switch

The safety cover switch must only be operated for service purposes. i.e. to run a test cycle with open covers.

Make sure to remove the service switch before the cover is closed.

2.3 Checking the mains cable for strain relief

- Condition of the insulation of power plug / plug cord.
- Efficiency of the strain relief on the power cord.
- Efficiency of the protective earth on metallic panels (protective earth connected or spring contacts OK).

2.4 Repairs on printed circuit boards

- For the discharge of electrostatic charges wear a grounding wrist strap (order no. 9.9999 0830.0).
- Emergency solution: If there is no grounding strap available, possible electrostatic charges may also be discharged by touching a metal cover part or the protective earth connection.

