3.10 Trouble-shooting and possible correction

| Problem | Possible cause | Correction |
|---|--|---|
| System will not start or stops in | ¹) Mains power supply cut off | Connect mains power supply |
| mid-operation (no indication of fault) | ²) Fuses have blown | Check that fuses correspond to power con- sumption (model plate). Renew fuses |
| | ³) Control voltage fuses in DELTA- BOOSTER have blown | Call customer engineer |
| System does not start or stops in nid-operation with the following ault indication: | Any of the below faults ia fatal and should be corrected | When fault has been corrected restart system - check that the fault indication has disappeared |
| C3K 2 A | Motor guard on motor 2 cut out: ¹) No phase ²) Pump - motor blocked ³) Short-circuit in motor | *) Call customer engineer (C3K pump no. 2 can be withdrawn on the steering - see section 3.5 - upon which the operation can be resumed) |
| сзк 3 А 1 | Thermal cut-out sensor in motor 3 cut out | *) Allow the motor to cool |
| | ¹) Air intake obstructed | Check the air intake and clean, if necessary |
| Water tank | Water level in water tank too low | Check that the shut-off's on the water inlets are open and clean the inlet filters, if ne- cessary. Check that the water supply meets the requirements stated in sect. 1.5 |
| Water tank | Temperature in water tank too high (>80°C) | Allow the water to cool, empty the wa- tertank, if necessary. Check that the cold water connection is open and, if not, that the temp. on the hot connection does not exceed 75°C |
| | Temperature in water tank too low (<2°C) | Empty the water tank, and make sure that the temperature of the water inlets are above 2°C. |
| Pipeline / internal hoses | Leakage: external or internal | In case of external leakage: disengage any open spray handles, if relevant - repair leakage. |
| | | In case of internal leakage: repair leakage |
| Sensors | Combination of sensor values illegal. | Call customer engineer |
| | I.e. if the high pressure switch is ON and the low pressure switch is OFF . | |
| One or more pumps will not stop after end of operation | High-pressure cock at outlet point does not close | Check that all high-pressure cocks at outlet points have been closed |
| | Flow sensor return defective | Call customer engineer |
| Pump restarts at short intervals | The system cannot keep up pressure | Check that all high-pressure cocks at outlet points have been closed |
| Working pressure too low | The high-pressure cock at outlet point not completely closed | Check that all high-pressure cocks at outlet points have been closed. |
| | Double spray lance used at outlet point without injector | Shift to single spray lance at this outlet point. |
| | Excessive water consumption | Check whether the water consumption of the spray lances used exceeds the capacity of the system - shift to other spray lances, if necessary |
| No working pressure | High-pressure cock at one outlet point is left open | Shut off the high-pressure cock at outlet points not in use |
| Irregular working pressure (machine vibrates) | Air in pump | Vent the system, cf. sect. 2.5.3 |
| | Inlet water too hot | Allow water to cool and check that inlet temperature does not exceed 80°C |
| Water volume at outlet point too | Blockage of filter for inlet water | Clean the filter, cf. sect. 3.9.2 |
| small | Nozzle blocked | Clean the nozzle |

*) In both cases the plant will stop and the related control lamp will flash. When restarting the plant, the pump will AUTOMATICALLY cut out, and the operation can be resumed - the control lamp will now be constantly alight.

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If other faults occur than those enlisted please contact your nearest Nitis