

## Troubleshooting Guide

Problems	Causes	Solutions
Communication error (error code 09)	White communication line is disconnected	<ol style="list-style-type: none"> <li>1. Restore the line connection</li> <li>2. Replace a new one</li> </ol>
Screen does not show any information.	Lack of Power Fuse damage in main control	<ol style="list-style-type: none"> <li>1. Check the power supply, make sure the power switch is on.</li> <li>2. Replace fuse</li> </ol>
High pressure protection switch is on (error code 05)	<ol style="list-style-type: none"> <li>1. Air in the hydraulic circuit</li> <li>2. Water filter is blocked</li> <li>3. Temperature probe in the cylinder is disconnected or loosen</li> <li>4. Insufficient water flow</li> <li>5. Fluorine filter system blocking</li> <li>6. Main control board damage</li> <li>7. Pressure switch damage</li> <li>8. Condenser fouling</li> <li>9. Expansion valve damage</li> </ol>	<ol style="list-style-type: none"> <li>1. Check the functioning of the water pump and bleed the pump. Bleed the air through into air vent</li> <li>2. Check, clear or replace water filter</li> <li>3. Restore the A0 temperature connection</li> <li>4. Check the water source</li> <li>5. Check or replace fluorine filter</li> <li>6. Replace main control board</li> <li>7. Check or replace pressure switch</li> <li>8. Check or replace condenser</li> <li>9. Check or replace expansion valve</li> </ol>
Overheat excel gas (>125°C) (error code 12)	<ol style="list-style-type: none"> <li>1. Refrigeration gas leak</li> <li>2. Lack of refrigeration</li> <li>3. Temperature probe in the cylinder is disconnected or loosen</li> </ol>	<ol style="list-style-type: none"> <li>1. Check for leaks in the refrigeration circuit</li> <li>2. Vacuum the closed system and re-fill refrigerant charge</li> <li>3. Restore the A0 temperature connection</li> </ol>
Temperature probe malfunction  (error code 15, 16, 18, 21, 27, 29)	<ol style="list-style-type: none"> <li>1. Temperature probe disconnected</li> <li>2. Temperature probe line shortcut</li> </ol>	<ol style="list-style-type: none"> <li>1. Check the temperature probe line connection</li> <li>2. replace a new one</li> </ol>
Water is still cold when the compressor is working	<ol style="list-style-type: none"> <li>1. Pipe-work between Bunsen block and Bunsen panels is not insulated properly</li> <li>2. Gas leakage</li> <li>3. Lower set temperature</li> <li>4. Compressor damage</li> </ol>	<ol style="list-style-type: none"> <li>1. Check the proper insulation of the hydraulic circuit, pipe-work and cylinder</li> <li>2. Repair leakage and refill gas</li> <li>3. Check the temperature set point on screen</li> <li>4. Replace compressor</li> </ol>