

AL129 High press alarm

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Cause analysis

- The blocked filter results in a smaller flow;
- There is air in the pipe, which causes the water flow to be unsmooth;
- The valve of the water system is closed or not fully opened;
- The hot water sensor or the heating sensor is not placed in the corresponded return pipe or the blind pipe of the water tank;(3-way valve installed reverse)
- The pump lift or the flow is too small,so as to result in a smaller flow;

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Cause analysis

- Scaling of the water-side heat exchanger causes a higher pressure;
- There is air in the fluorine circuit system, resulting in a higher pressure;
- The switch of the high voltage sensor is broken;
- Broken electronic expansion valve leads to higher pressure;

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Solution

- If the filter is blocked, please remove the cap of the filter as shown in Figure 1, and clean the filter net as shown in Figure 2



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Solution

- If there is air in the pipeline, the air must be exhausted from the exhaust valve or union;



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Solution

- Check all valves and open them all
- If the sensor falls out, pls place the sensor to the corresponding position. If 3-way valve installed reversed, exchange the two wiring of 3-way valve.
- If no air in the pipeline after checking, and the temperature difference exceeds 10 degrees after the water flow switch is short-circuited, it is necessary to replace the pump with a larger head and flow rate

A screenshot of a control panel interface. At the top, there is a search bar labeled 'Search Operation Name'. Below it, there are several tabs: 'Manual Control', 'Query Parm', 'TimeEdit', and 'Error Int'. The 'Query Parm' tab is selected. The main area displays a table with two columns: a description of the sensor and its current reading. The table contains the following data:

B1: Inlet temp.	50.30
B2: Outlet temp.	56.80
B3:Ext temp.	5.50
B4:Disch. gas temp.	81.10
B5:Suct. gas temp.	5.50
B6:Disch. press.	36.60
B7:Suct. press.	6.20
B8:Hotwater temp.	32.90
B9:Coil temp.	0.90

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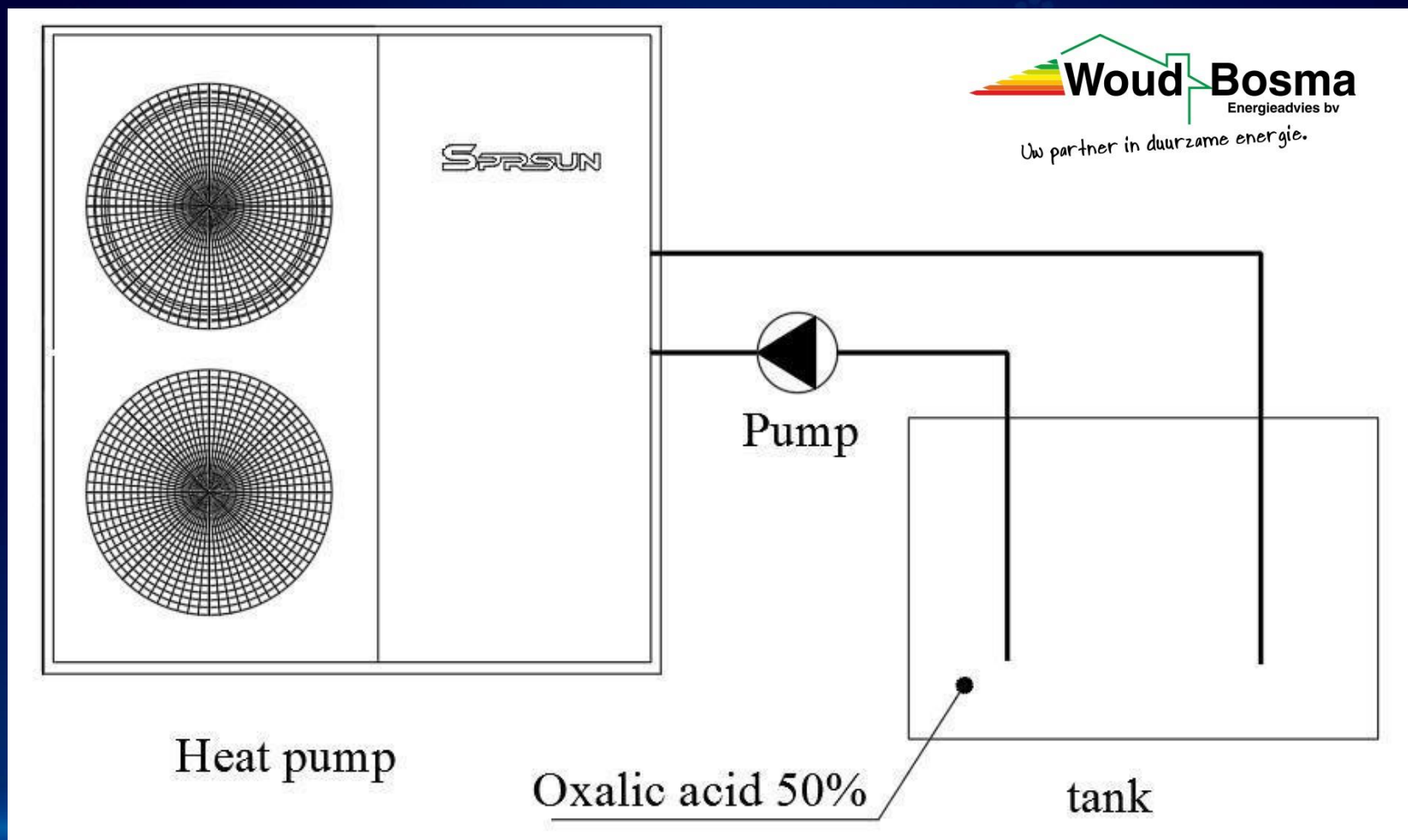
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Solution

- Check whether the water pipe has scale. If there is a lot of scale, clean the water-side heat exchanger and add water for treatment
- The vacuum of the repaired machine is less than 1 hour, not full vacuum, there is air in the system, the pointer of the pressure gauge will shake, Then have to do the vacuum again and filled with refrigerant

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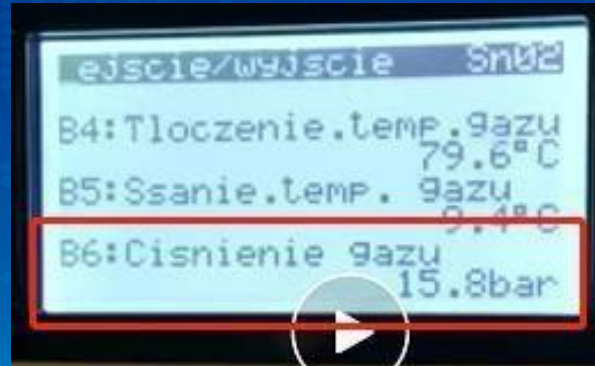


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Solution

- If the pointer of the pressure gauge shows normal pressure, and the pressure in the Carel controller shows high pressure, the high pressure sensor may be broken. PLS replace the high pressure sensor.



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Solution

- If the temperature difference between 2 ends of the electronic expansion valve by hand is small, which may be broken, and it have to be replaced