



**CHECKLIST FOR TROUBLESHOOTING PROBLEMS IN PRIVATE SPAS**  
**HFL/LF/dr/dry error: flow rate not right**

SAT.010.EN  
(10122015)

1	Check that the water level is above the minimum level	YES	Go to 2		
		NO	Fill to above the minimum level OK?	YES	End
				NO	Go to 2
2	Check that the cartridge filter is clean	YES	Go to 3		
		NO	Clean or change filter. OK?	YES	End
				NO	Go to 3
3	Bleed the air out of the circuit using the bleed valve of the pressure filter (if the spa comes with this type of filter) and/or by unscrewing the resistor's outlet coupling	YES	End		
		NO	Go to 4		
4	Set to standard mode and continuous filtration (FilC). Check whether water flows through the return jets	YES	Go to 5		
		NO	Is the filtration pump working?	YES	Go to 6
				NO	Go to 9
5	Check that the return jets are open	YES	Go to 6		
		NO	Cut the front end so that it cannot be closed (see technical instructions). OK?	YES	End
				NO	Go to 6
6	Check temperature probes as per technical instructions. OK?	YES	Go to 7		
		NO	Change the faulty probe. OK?	YES	End
				NO	Go to 7
7	Check whether there is limescale or any other deposits on the electrical resistor.	YES	Clean or change the resistor. OK?	YES	End
				NO	Go to 8
		NO	Go to 8		
8	Reset the circuit board as per technical instructions. OK?	YES	End		
		NO	Change the circuit board and check whether the error persists	YES	Go to 10
				NO	End
9	Check fuse F6 (30 A) OK?	YES	Go to 10		
		NO	Change fuse. OK?	YES	End
				NO	Go to 10
10	Check whether there is voltage in J47. (Or turn off power supply and connect the filtration pump to the circuit board's AV outlet (see diagram) and turn power back on.) Is the filtration pump working?	YES	Go to 11		
		NO	Go to 7		
11	Change the filtration pump. OK?	YES	End		
		NO	Go to 6		



**CHECKLIST FOR TROUBLESHOOTING PROBLEMS IN PRIVATE SPAS**  
**OHH/OHS error: problems of overheating**

SAT.011.EN  
(10122015)

1	Check the water temperature. Is it below 43.5 °C/110 °F?	YES	Go to 2		
		NO	Wait for the temperature to drop or cool the water. OK?	YES	End
				NO	Go to 2
2	Check temperature probes as per technical instructions. OK?	YES	Go to 3		
		NO	Change the faulty probe. OK?	YES	End
				NO	Go to 3
3	Set to standard mode and continuous filtration (FilC). Is the filtration pump working?	YES	Go to 4		
		NO	Go to 6		
4	Check temperature probes as per technical instructions. OK?	YES	Go to 5		
		NO	Change the faulty probe. OK?	YES	End
				NO	Go to 5
5	Reset the circuit board as per technical instructions. OK?	YES	End		
		NO	Change the circuit board and check whether the error persists	YES	Go to 7
				NO	End
6	Check fuse F6 (30 A) OK?	YES	Go to 7		
		NO	Change fuse. OK?	YES	End
				NO	Go to 7
7	Check whether there is voltage in J47. (Or turn off power supply and connect the filtration pump to the circuit board's AV outlet (see diagram) and turn power back on.) Is the filtration pump working?	YES	Go to 8		
		NO	Go to 4		
8	Change the filtration pump. OK?	YES	End		
		NO	Go to 3		



CHECKLIST FOR TROUBLESHOOTING PROBLEMS IN PRIVATE SPAS  
ICE

SAT.012.EN  
(10122015)

1	Check the water temperature. Is it below 7.2 °C/45 °F?	YES	Wait for the temperature to rise or add hot water (<40 °C). OK?	YES	End
				NO	Go to 2
2	Does the system have an expansion circuit board?	YES	Go to 3		
		NO	Go to 4		
3	Is J7 on the expansion circuit board properly connected to J60 on the main circuit board?	YES	Go to 4		
		NO	Connect properly. OK?	YES	End
				NO	Go to 4
4	Check temperature probes as per technical instructions. OK?	YES	Go to 5		
		NO	Change the faulty probe. OK?	YES	End
				NO	have an expansion
5	Reset the circuit board as per technical instructions. OK?	YES	End		
		NO	Change the circuit board and check whether the error persists	YES	Consult
				NO	End



CHECKLIST FOR TROUBLESHOOTING PROBLEMS IN PRIVATE SPAS  
SnS

SAT.013.EN  
(10122015)

1	Do the SnS error and temperature reading flash on and off on the display?	YES	Go to 2		
		NO	Go to 3		
2	Temporary error. Wait for 2 h and check whether the error persists.	YES	Go to 3		
		NO	End		
3	Check temperature probes as per technical instructions. OK?	YES	Go to 4		
		NO	Change the faulty probe. OK?	YES	End
				NO	Go to 4
4	Reset the circuit board as per technical instructions. OK?	YES	End		
		NO	Change the circuit board and check whether the error persists	YES	Consult
				NO	End



CHECKLIST FOR TROUBLESHOOTING PROBLEMS IN PRIVATE SPAS  
SnA/SnB

SAT.014.EN  
(10122015)

1	Check that the probe that gives the error is properly connected. OK?	YES	Go to 2		
		NO	Connect properly. OK?	YES	Go to 2
				NO	End
		2	Cut of the power supply and change probe A and probe B around. Is the error the other way around?	YES	Reconnect the probe that works and replace the faulty probe. OK?
				NO	Go to 3
		NO	Go to 3		
		3	Reset the circuit board as per technical instructions. OK?	YES	End
				NO	Change the circuit board and check whether the error persists
				NO	End