FLEXIT CS1000

E Start-up guide

Parameter name	Comments	Range	Unit	Default
Menu / Configuration / Parameters / System Parameters / Language selection				
	Choose language			
Menu / Configuration / ControlMode /				
TempCtlrType			Comp/Ext/Sup/Disp	Sup
HeatingRegister			Water / Elec	–
ElecHtrSteps	Depends on type of ventilation unit		1,2 or 3	
CoolingMode			DXl/DXb/0-10	DXl
TypeOfHX			Rot/Plt	–
SuppFanMode			Prsl/PrER/Cvol/CO2/PrES	Cvol (Flow)
ExtFanMode			Prsl/PrER/Cvol/CO2/PrES	Cvol (Flow)
NumOfFanSensor			2/1-Sa/1-Ea	2
1Sens2ndFan%Diff		0,0...100,0	%	50
IntPresSensMax x4		0,0...1000,0	Pa	1500
Make sure sensors in unit are set to this value (x4)				
ExtPresSensMax		0,0...1000,0	Pa	300
ExtFanFireSpee		0,0...100,0	%	80
Menu / Configuration / Parameters / Fan /				
ExhFanStartDly		0,0...180	sec	30
SupFanStartDly		0,0...180	sec	30
FanOverrun		0,0...30,0	min	2
When using water heating set FanOverrun to 0				
FanSlowforHeat		On/Off		Off
KfactSupply	See table	0-1000		121
KfactExtract	See table	0-1000		121
DmprOpenTime		0...100	sec	15
Menu / Configuration / Parameters / Filter				
SupFiltAlm	Supply filter alarm	0,0...500	Pa	250
ExtFiltAlm	Extract filter alarm	0,0...500	Pa	250
FiltSensMax	Filter sensor max value	0,0...3000	Pa	1500

Parameter name	Comments	Range	Unit	Default

Menu / Configuration / Parameters / ForcedOperation

Parameter name	Comments	Range	Unit	Default
ForcedRunTime		0,0...12,0	H	1
SupForcedAirVol	See table	0,0...1000	l/s	900
ExtForcedAirVol	See table	0,0...1000	l/s	900
CancelForcedOp		No/Yes		No

Menu / Setpoints / Volcontroller /

Adjust flow correctly. See separate table.

After all values have been entered, turn off power for 5 secs so that the Sapphire memory is wiped.

Meny / Scheduler / Daytime Scheduler /

Adjust time and date

Adjust T1 or 2 and choose **active**, choose appropriate clock type

Damper motor opens and the ventilation unit starts

Menu / Setpoints / MainController /

Parameter name	Comments	Range	Unit	Default
HeatingComfort		10,0...40,0	°C	20
CoolingComfort		10,0...40,0	°C	22.0
HeatingEconomy		10,0...40,0	°C	18.0
CoolingEconomy		10,0...40,0	°C	24.0
MinComNzone		1,0..10,0	°C	2.0
MinEcoNzone		1,0..10,0	°C	4.0

Type of ventilation unit	K-factor	Flow high sup/extr	Flow low sup/extr	Forced flow
S20	80	450	250	530
S30	96	700	250	800
L50	153	1100	600	1300
L14 R	60	250	150	350
L20X & R	85	470	300	520
L30X & R	97	700	350	750
L40R	122	970	450	1100
L60R	151	1100	600	1300

⚠️ **NOTE! When you start a newly programmed Saphir (CS1000), it may happen that you get garbled characters in the display of the HMI. Follow the description below to solve the problem.**

When you turn on the ventilation unit after replacing the control panel, the display says "Downloading Fonts". When the download is complete, the diplay may contain garbled characters.

1.
Remove the plug to the control panel and re-insert it. The message "Downloading Fonts" will re-appear. Subsequently the message "Download Completed" will appear.

2.
Disconnect the power to the ventilation unit and turn the power back on. The garbled characters will be gone.