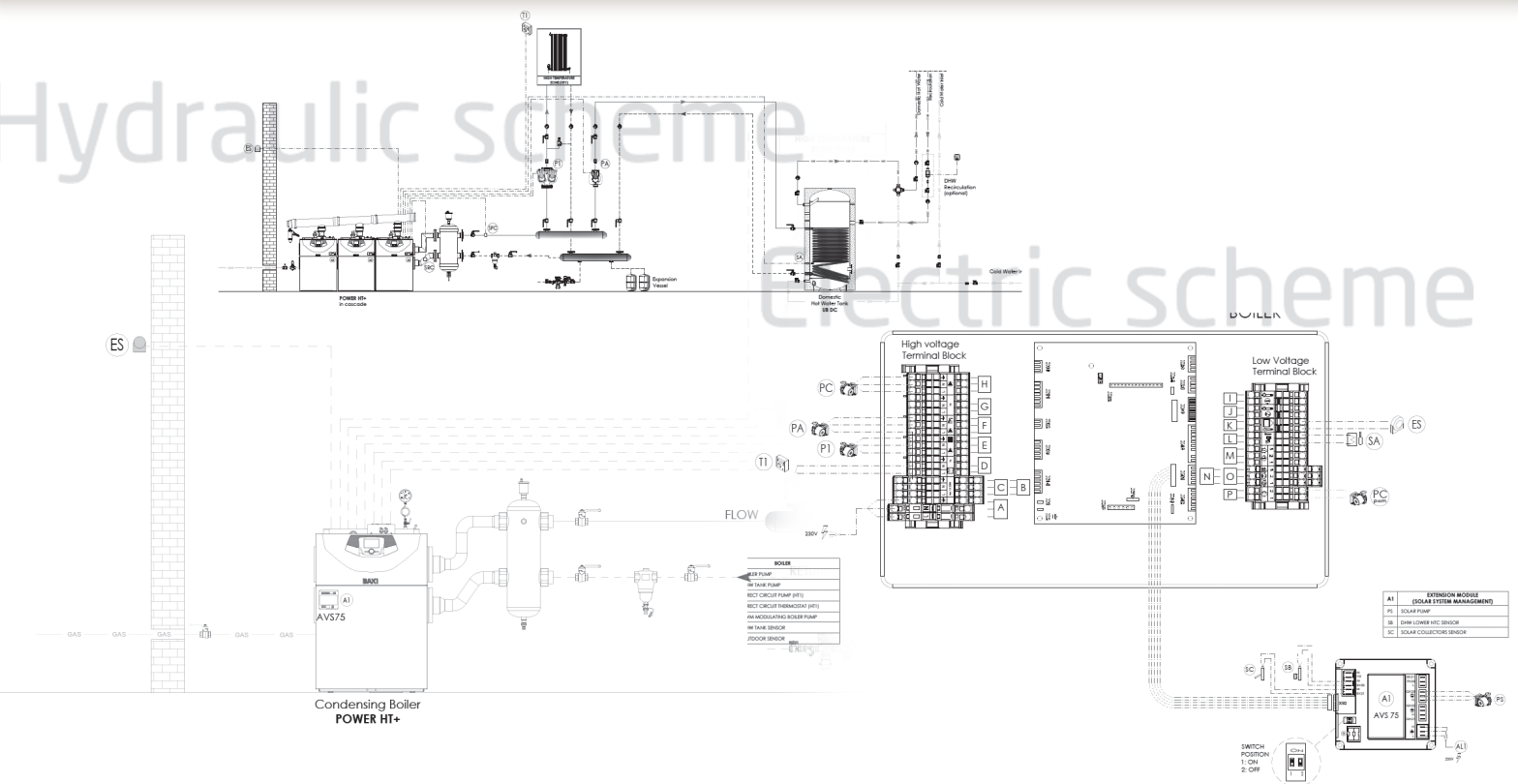


BAXI

Power HT+ Installation schemes



February 2018

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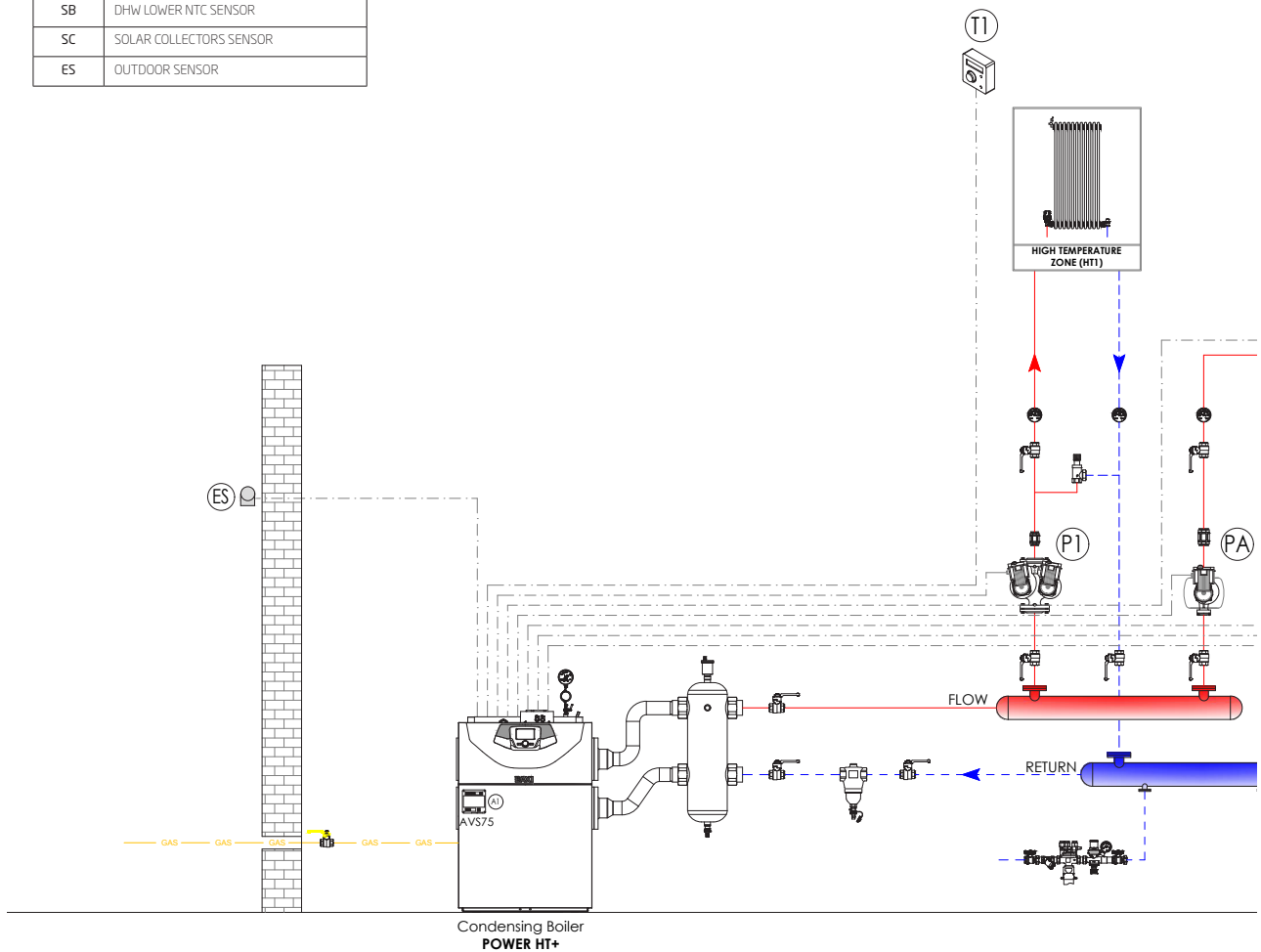
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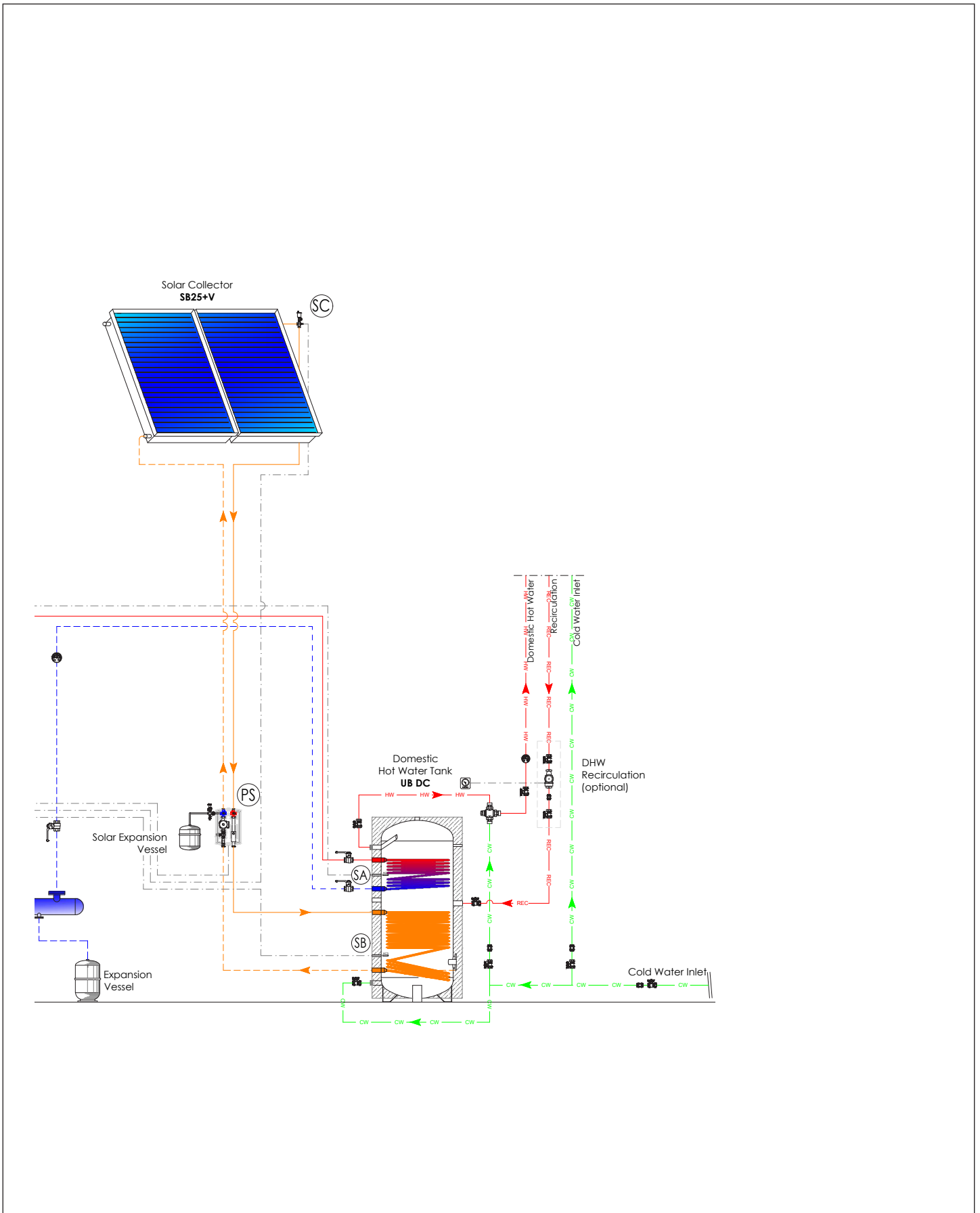
Installation scheme

Hydraulic and electrical scheme for control and regulation

LEGEND	
PA	DHW TANK PUMP
P1	DIRECT CIRCUIT PUMP (HT1)
PS	SOLAR PUMP
T1	DIRECT CIRCUIT ROOM THERMOSTAT (HT1)
SA	DHW TANK SENSOR
SB	DHW LOWER NTC SENSOR
SC	SOLAR COLLECTORS SENSOR
ES	OUTDOOR SENSOR

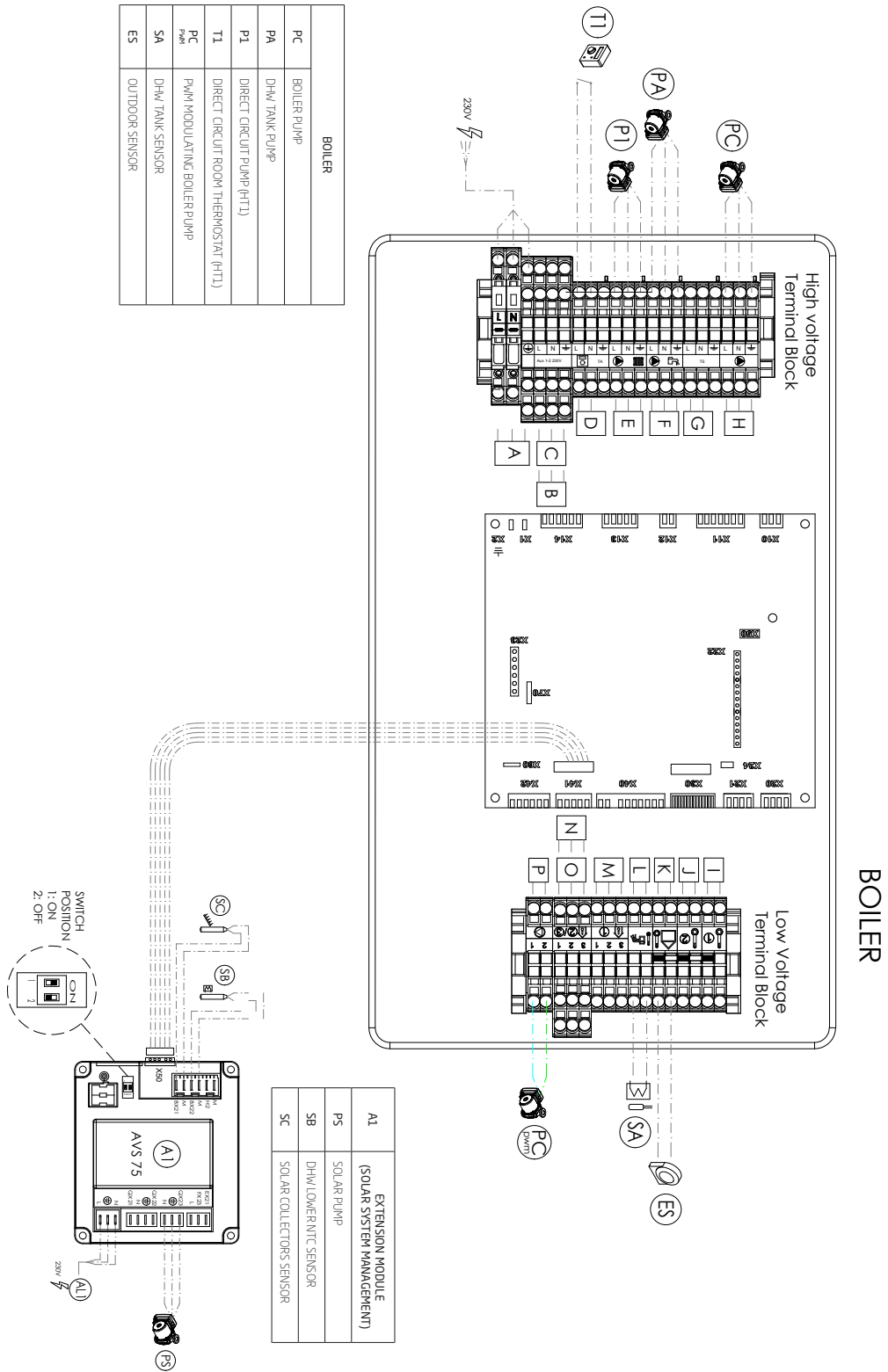


Power HT+ - 1 High temperature direct circuit (HT1)
Domestic Hot Water tank with solar integration



Installation scheme

Electric scheme-connection



Power HT + - 1 High temperature direct circuit (HT1)
Domestic Hot Water tank with solar integration

BOILER

Installation scheme

Power HT+ - 1 High temperature direct circuit (HT1) - Domestic Hot Water tank with solar integration

Accessories

- N°1 OUTDOOR SENSOR - QAC 34 (7104873)
- N°1 AVS 75 for solar system management (7105037)
- N°2 NTC SENSORS for STORAGE TANK (KHG 71407681)
- N°1 SOLAR COLLECTORS SENSOR Pt 1000 for AVS 75 (LNC 71000004)

Connections (for details refer to the manuals)

- Connect the AVS 75-A1 to the boiler in the connector X41
- Set the addresses of additional AVS 75 via the switches (Dip switch):
 - AVS 75: 1 ON ; 2 OFF (extension module 1)

IMPORTANT: if steady, the AVS 75 green led signals that the bus connections are correctly set

- Connect to the boiler the following components:

Boiler Pump (PC)	High voltage terminal block - terminal H
DHW tank pump (PA)	High voltage terminal block - terminal F
Direct circuit pump (P1)	High voltage terminal block - terminal E
Direct circuit room thermostat (T1)	High voltage terminal block - terminal D
Outdoor sensor (ES)	Low voltage terminal block - terminal K
DHW tank sensor (SA)	Low voltage terminal block - terminal L
PWM modulating boiler pump (PC PWM)	Low voltage terminal block - terminal P

- Connect to the AVS 75-A1 the following components:

Solar pump (PS)	QX23 - N
DHW lower NTC sensor (SB)	BX22 - M
Solar collectors sensor (SC)	BX21 - M

Parameters Setting

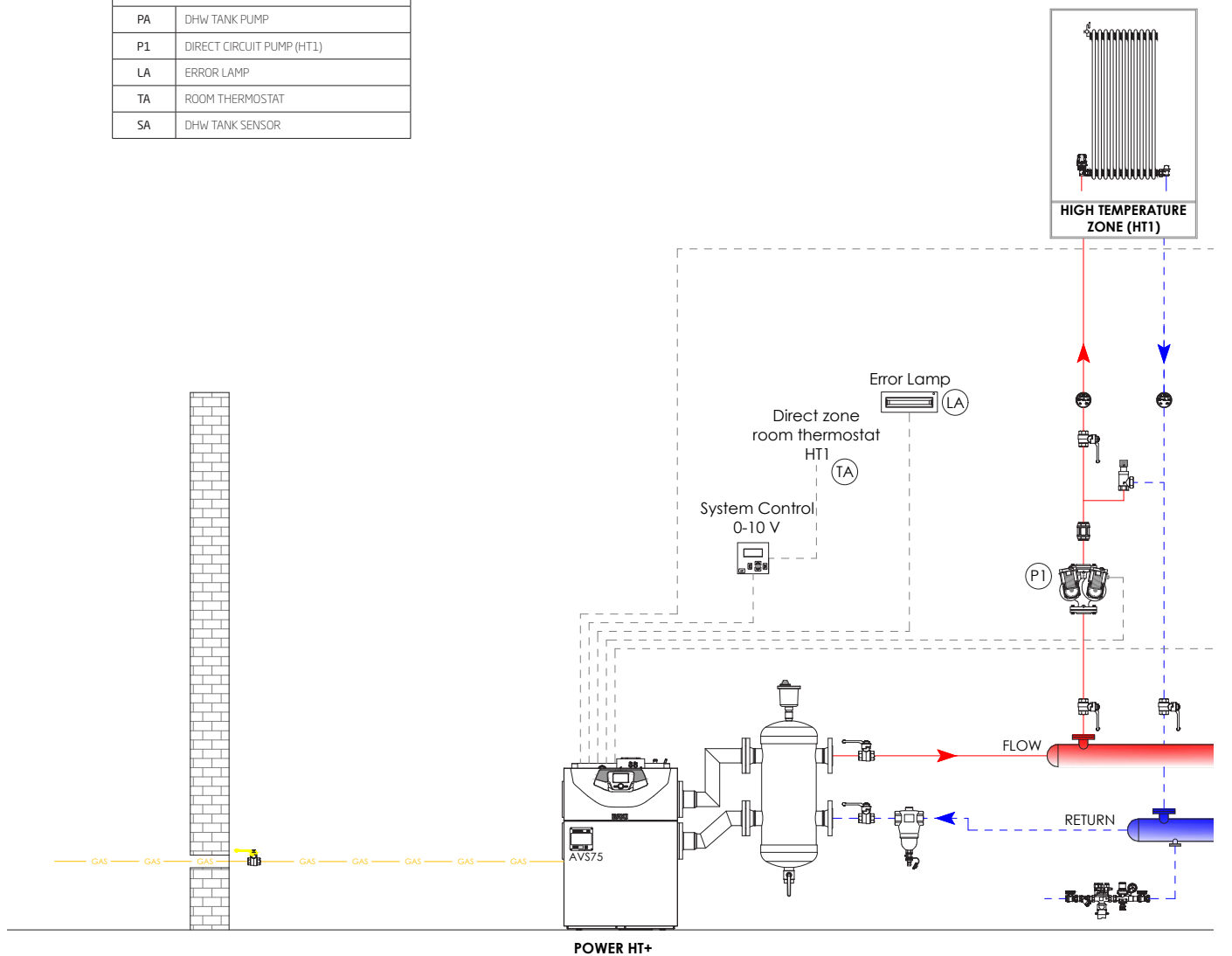
NOTE: the parameters (from 6020 to 6052) are related to the fact that the EM is set as Extension Module 1 (switch position **1:ON, 2:OFF**). If the EM address is 2 or 3, consider the related parameters.

MENU	PARAMETER	VALUES TO SET	DESCRIPTION
Configuration	6020	DHW Solar	Enable the extension module 1 for the solar system
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings

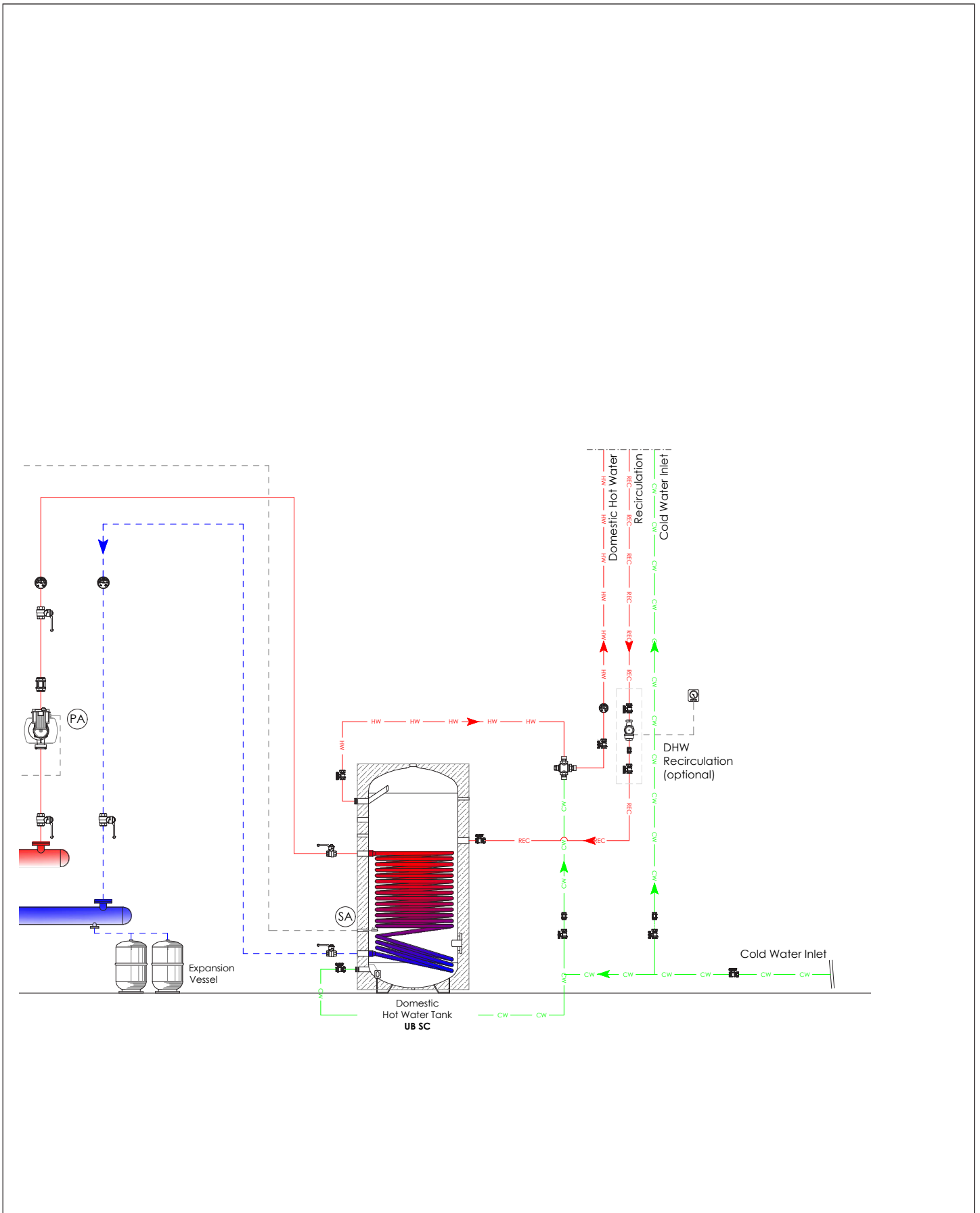
Installation scheme

Hydraulic and electrical scheme for control and regulation

LEGEND	
PA	DHW TANK PUMP
P1	DIRECT CIRCUIT PUMP (HT1)
LA	ERROR LAMP
TA	ROOM THERMOSTAT
SA	DHW TANK SENSOR



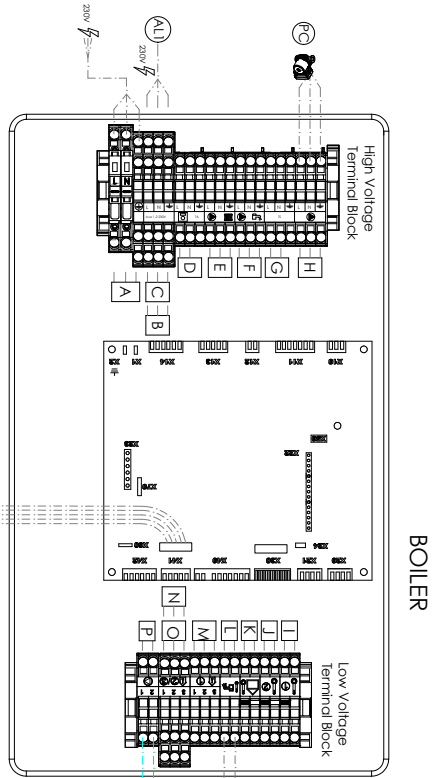
Power HT+ - 1 High temperature zone (HT1)
 Domestic Hot Water tank - System Control 0-10 V (not provided)



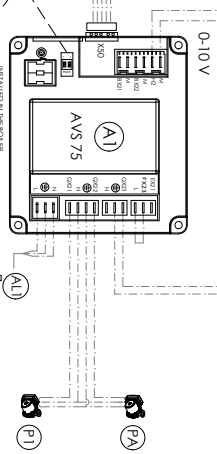
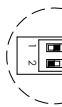
Installation scheme

Electric scheme-connection

BOILER	
PC	BOILER PUMP
PC	PWM MODULATING BOILER PUMP
SA	DHW TANK SENSOR

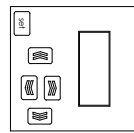


DEEP SWITCH
1: ON
2: OFF



EXTENSION MODULE (SYSTEM CONTROL 0-10V)	
AL	ERROR LAMP
LA	DIRECT CIRCUIT PUMP (HT1)
PA	DHW TANK PUMP
TA	ROOM THERMOSTAT

SYSTEM CONTROL 0-10 V



Direct Zone
Room Thermostat (HT1)

Power HT+ - 1 High temperature zone (HT1)
Domestic Hot Water tank - System Control 0-10 V (not provided)

Installation scheme

Power HT+ - 1 High temperature direct circuit (HT1) - Domestic Hot Water tank - System control 0-10V (not provided)

Accessories

- N°1 AVS 75 for system control 0-10 V (7105037)
- N°1 NTC SENSOR for STORAGE TANK (KHG 71407681)

Connections (for details refer to the manuals)

- Connect the AVS 75-A1 to the boiler in the connector X41
- Set the addresses of additional CLIP-IN via the switches (Dip switch):
 - AVS 75: 1 ON ; 2 OFF (extension module 1)

IMPORTANT: if steady, the AVS 75 green led signals that the bus connections are correctly set

- Connect to the boiler the following components:

Boiler Pump (PC)	High voltage terminal block - terminal H
DHW tank sensor (SA)	Low voltage terminal block - terminal L
PWM modulating boiler pump (PC PWM)	Low voltage terminal block - terminal P

- Connect to the AVS 75-A1 the following components:

DHW tank pump (PA)	QX22 - N
Direct circuit pump (P1)	QX21 - N
Error lamp (LA)	QX23 - N
System control 0-10 V	H2 - M

Parameters Setting

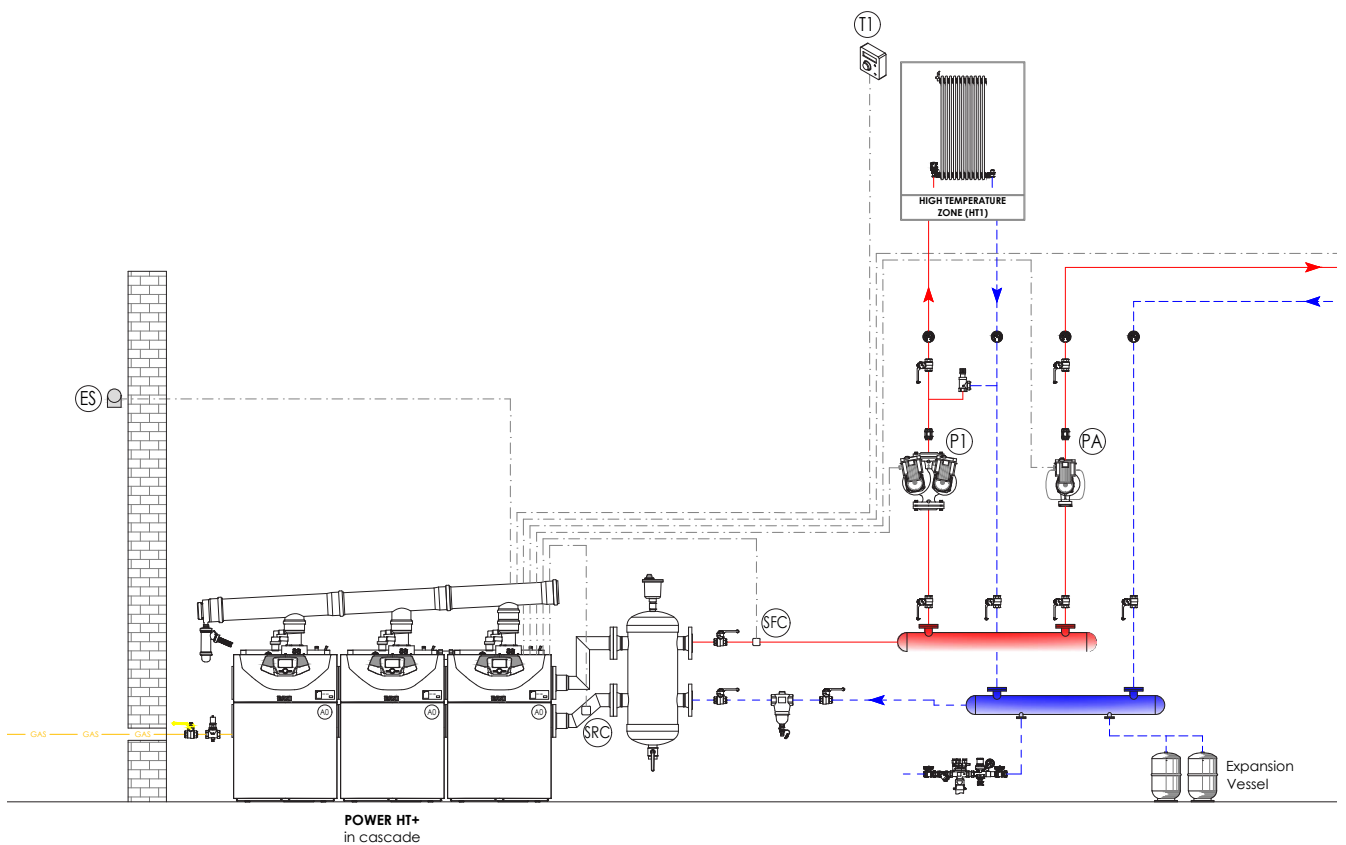
NOTE: the parameters (from 6020 to 6052) are related to the fact that the EM is set as Extension Module 1 (switch position **1:ON, 2:OFF**). If the EM address is 2 or 3, consider the related parameters.

MENU	PARAMETER	VALUES TO SET	DESCRIPTION
Configuration	5710	OFF	Disable Heating circuit 1
Configuration	5977	None	Disable RT on terminal D
Configuration	6020	Multifunctional	Enable the extension module 1
Configuration	6030	Secondary circuit HC1 Q15	HT1 zone pump (P1) on output QX21-N of AVS 75-A1
Configuration	6031	DHW control element Q3	DHW tank pump (PA) on output QX22-N of AVS 75-A1
Configuration	6032	Alarm output K10	Realy output QX23-N of AVS 75-A1
Configuration	6046	User Request CH1 10V	TA of the heating circuit in input H2 - M of AVS 75-A1
Configuration	6049	0,5 V	Signal description (Min. Temp.)
Configuration	6050	250	Signal description (Min. Temp.)
Configuration	6051	10 V	Signal description (Max. Temp.)
Configuration	6052	800	Signal description (Max. Temp.)
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings

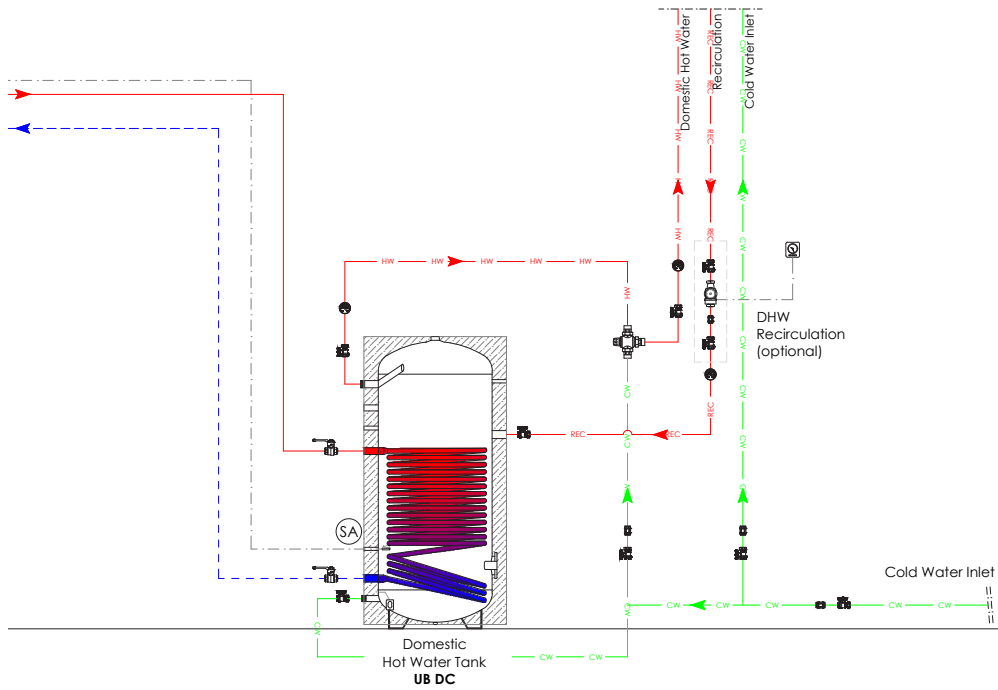
Installation scheme

Hydraulic and electrical scheme for control and regulation

LEGEND	
PA	DHW TANK PUMP
P1	DIRECT CIRCUIT PUMP (HT1)
T1	DIRECT CIRCUIT ROOM THERMOSTAT (HT1)
SA	DHW TANK SENSOR
SE	OUTDOOR SENSOR
SRC	CASCADE RETURN SENSOR
SFC	CASCADE FLOW SENSOR

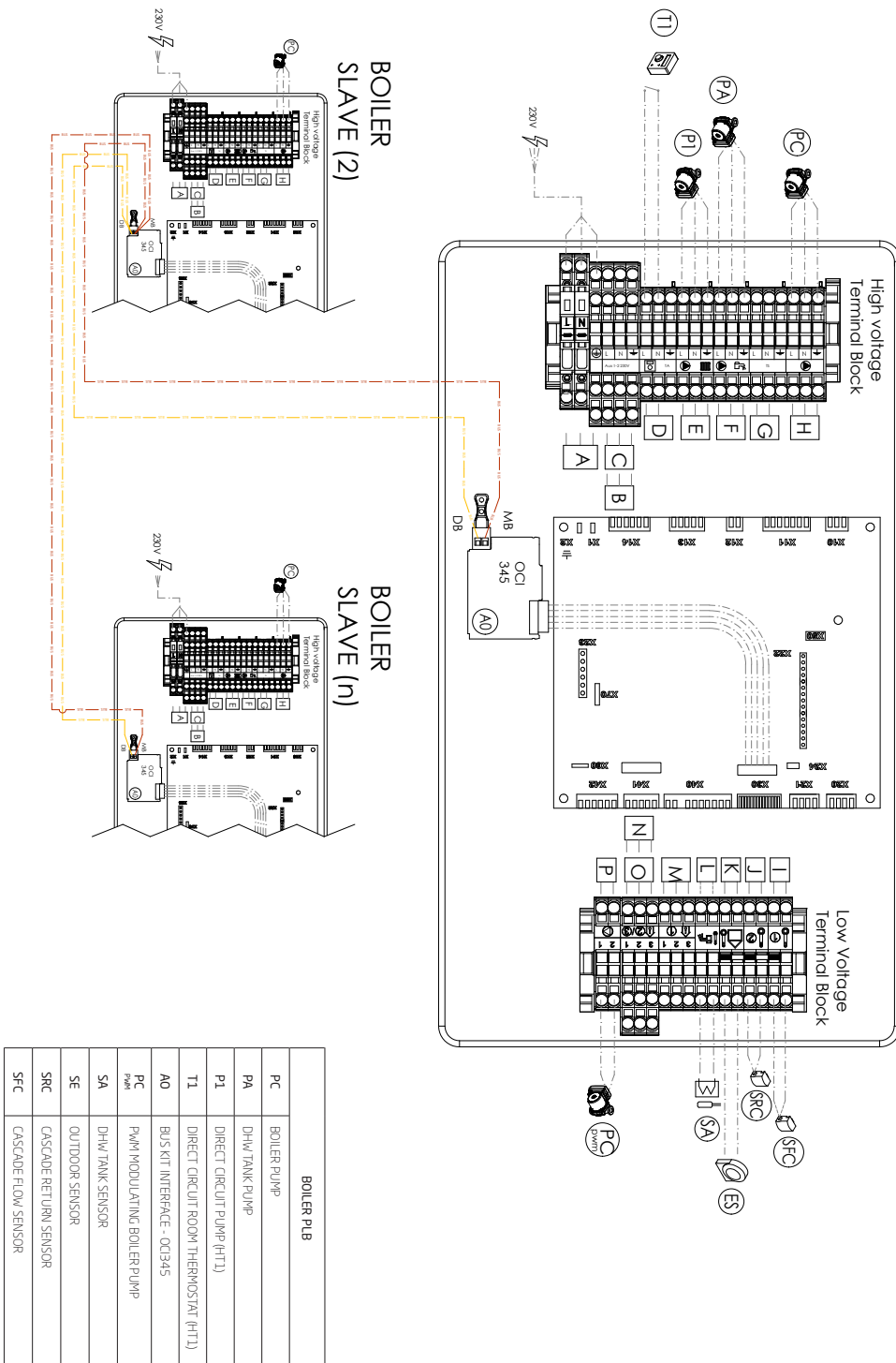


Power HT+ Cascade - 1 High temperature direct circuit (HT1)
Domestic Hot Water tank (after hydraulic separator)



Installation scheme

Electric scheme-connection



Power HT+ Cascade - 1 High temperature direct circuit (HTT)
 Domestic Hot Water tank (after hydraulic separator)

MASTER BOILER

Installation scheme

Power HT+ Cascade - 1 High temperature direct circuit (HT1) - Domestic Hot Water tank (after hydraulic separator)

Accessories

- N°1 INTERFACE KIT OCI 345 - for each boiler (7104408)
- N°1 OUTDOOR SENSOR - QAC34 (7104873)
- N°2 CONTACT SENSORS - QAD36 (KHG 71407891)
- N°1 NTC SENSOR FOR STORAGE TANK (KHG 71407681)

Connections (for details refer to the manuals)

- In each boiler, the interface kit OCI 345-A0 must be connected through the flat cable to the connector X30 of the electronic PCB.
- Connect the OCI 345-A0 via the connectors MB and DB.

Attention: MB must be connected with MB, as well as DB with DB

- Connect to the MASTER boiler the following components:

Boiler pump (PC)	High voltage terminal block - Terminal H
DHW tank pump (PA)	High voltage terminal block - Terminal F
Direct circuit pump (P1)	High voltage terminal block - Terminal E
Direct circuit room thermostat (T1)	High voltage terminal block - Terminal D
Cascade flow sensor (SFC)	Low voltage terminal block - Terminal I
Cascade return sensor (SRC)	Low voltage terminal block - Terminal J
Outdoor sensor (ES)	Low voltage terminal block - Terminal K
DHW tank sensor (SA)	Low voltage terminal block - Terminal L
PWM modulating boiler pump (PC PWM)	Low voltage terminal block - Terminal P

- Connect to the SLAVE boiler the following components:

Boiler pump (PC)	High voltage terminal block - Terminal H
PWM modulating boiler pump (PC PWM)	Low voltage terminal block - Terminal P

Parameters setting

While parameterizing a boiler, it is necessary to take off the power supply to the other ones.

MASTER BOILER (Default: Address 1)

- Enter the SPECIALIST menu (if a **PASSWORD** is required: **10101**)

MENU	PARAMETER	VALUE	DESCRIPTION
Configuration	5736	OFF	Disable DHW on single boiler
Configuration	5931	Common flow sensor B10	Cascade flow sensor on master boiler
Configuration	5932	Cascade return sensor B70	Cascade return sensor on master boiler
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings
LPB	6600	1	Device address
LPB	6630	Always	Identification of master boiler
LPB	6640	Autonomous	Setting of master cascade clock

SLAVE BOILER (2)

MENU	PARAMETER	VALUE	DESCRIPTION
Configuration	5710	Off	Disable Heating Circuit 1
LPB	6600	2	Boiler Address
LPB	6640	Slave with remote setting	Setting of cascade boilers clock with Master boiler

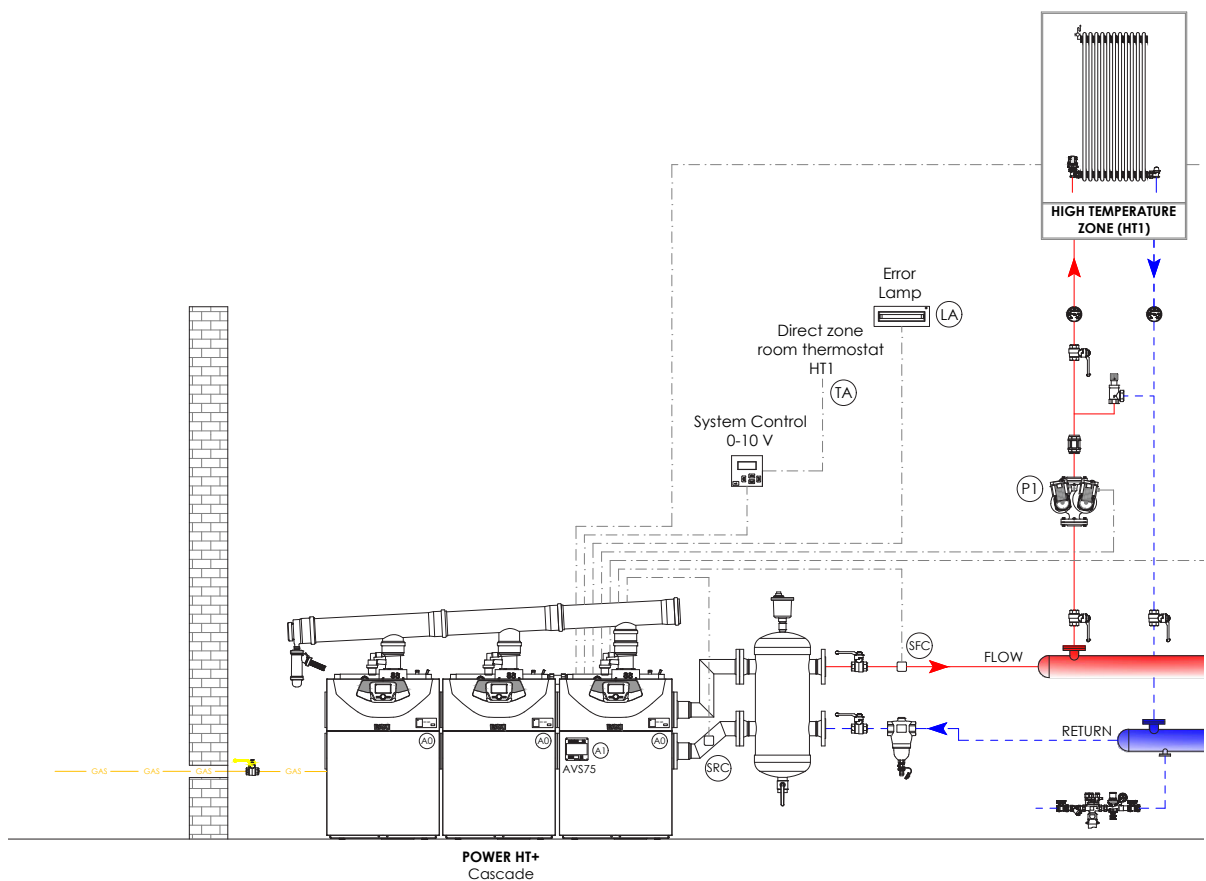
SLAVE BOILER (N)

MENU	PARAMETER	VALUE	DESCRIPTION
Configuration	5710	Off	Disable Heating Circuit 1
LPB	6600	N	Boiler Address
LPB	6640	Slave with remote setting	Setting of cascade boilers clock with Master boiler

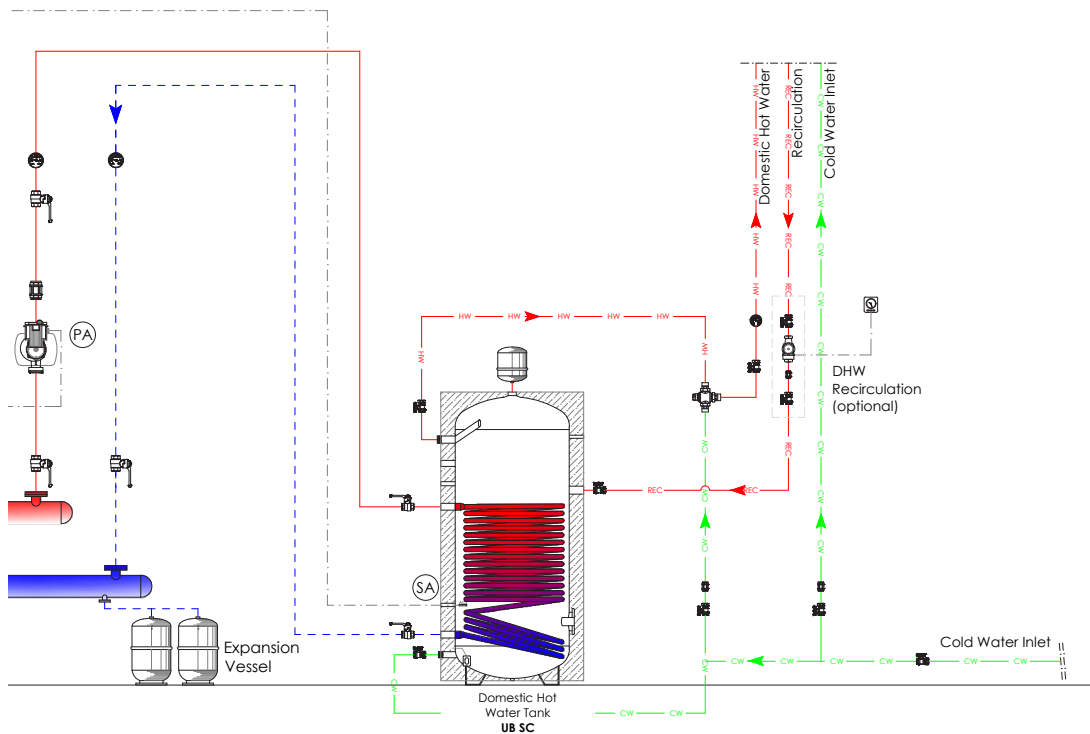
Installation scheme

Hydraulic and electrical scheme for control and regulation

LEGEND	
SA	DHW TANK SENSOR
PA	DHW TANK PUMP
P1	DIRECT CIRCUIT PUMP (HT1)
TA	ROOM THERMOSTAT
SRC	CASCADE RETURN SENSOR
SFC	CASCADE FLOW SENSOR
LA	ERROR LAMP

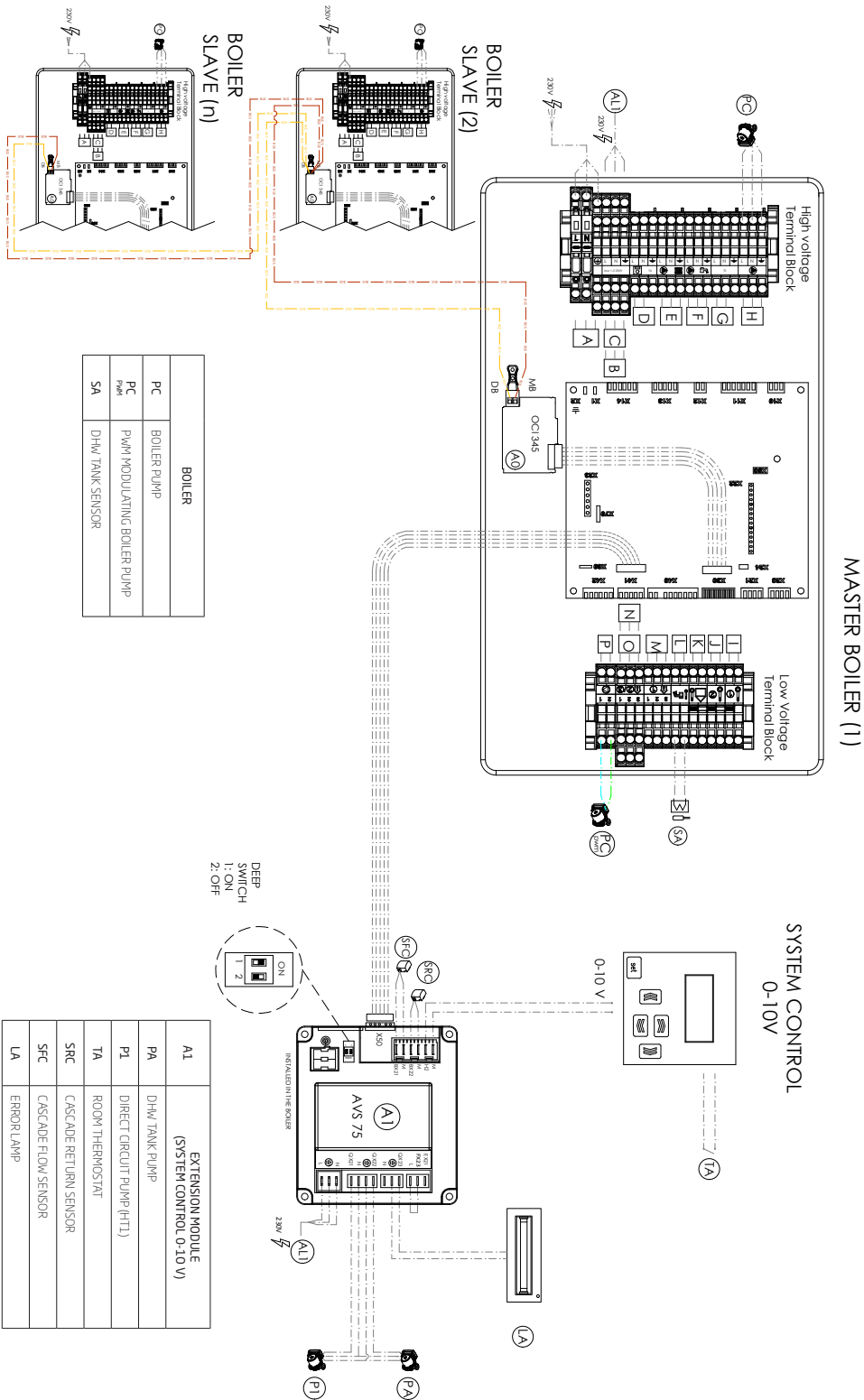


Power HT+ Cascade - 1 High temperature direct circuit (HT1)
 Domestic Hot Water tank - System Control 0-10 V (not provided)



Installation scheme

Electric scheme-connection



Power HT + Cascade - 1 High temperature direct circuit (HTT)
Domestic Hot Water - System Control 0-10 V (not provided)

Installation scheme

Power HT+ Cascade - 1 High temperature direct circuit (HT1) - Domestic Hot Water tank (after hydraulic separator) - System control 0-10 V (not provided)

Accessories

- N°1 AVS 75 for system control 0-10 V (7105037)
- N°1 INTERFACE KIT OCI 345 - for each boiler (7104408)
- N°2 CONTACT SENSORS - QAD36 (KHG 71407891)
- N°1 NTC SENSOR FOR STORAGE TANK (KHG 71407681)

Connections (for details refer to the manuals)

- In each boiler, the interface kit OCI 345-A0 must be connected through the flat cable to the connector X30 of the electronic PCB.
- Connect the OCI 345-A0 via the connectors MB and DB.

Attention: MB must be connected with MB, as well as DB with DB

- Connect the AVS 75-A1 to the master boiler in the connector X41
- Set the additional module AVS 75-A1 address via the switches (Dip switch):
 - AVS 75: 1 ON ; 2 OFF (extension module 1)

IMPORTANT: if steady, the AVS 75 green led signals that the bus connections are correctly set

- Connect to the MASTER boiler the following components:

Boiler pump (PC)	High voltage terminal block - terminal H
DHW tank sensor (SA)	Low voltage terminal block - terminal L
PWM modulating boiler pump (PC PWM)	Low voltage terminal block - terminal P

- Connect to the SLAVE boiler the following components:

Boiler Pump (PC)	High voltage terminal block - terminal H
PWM modulating boiler pump (PC PWM)	Low voltage terminal block - terminal P

- Connect to the AVS 75-A1 to the following components:

Direct circuit pump (P1)	QX21 - N
DHW tank pump (PA)	QX22 - N
Cascade flow sensor (SFC)	BX21 - M
Cascade return sensor (SRC)	BX22 - M
System control 0-10 V	H2 - M
Error lamp (LA)	QX23 - N

Parameters setting

MASTER BOILER (Default: Address 1)

- Enter the SPECIALIST menu (if a **PASSWORD** is required: **10101**)

MENU	PARAMETER	VALUE	DESCRIPTION
Configuration	5710	OFF	Disable Heating Circuit 1
Configuration	5736	OFF	Disable DHW on single boiler
Configuration	5977	None	Disable TA on terminal D
Configuration	6020	Multifunctional	Enable the extension module 1
Configuration	6030	Secondary circuit HC1 Q15	HT1 zone pump (P1) on output QX21-N of AVS 75-A1
Configuration	6031	DHW control element Q3	DHW tank pump (PA) on output QX22-N of AVS 75-A1
Configuration	6032	Alarm output K10	Relay output QX23-N of AVS 75-A1
Configuration	6040	Cascade flow sensor B10	Cascade flow sensor on input BX21 - M of AVS 75-A1
Configuration	6041	Cascade return sensor B70	Cascade return sensor on input BX22 - M of AVS 75-A1
Configuration	6046	User request HC1 10 V	TA of the heating circuit 1 in input H2-M of AVS 75-A1
Configuration	6049	0,5 V	Signal description (Min. Temp.)
Configuration	6050	250	Signal description (Min. Temp.)
Configuration	6051	10 V	Signal description (Max. Temp.)
Configuration	6052	800	Signal description (Max. Temp.)
Configuration	6200	Yes - (The value returns automatically to "No" immediately after setting)	Saving of the settings
LPB	6600	1	Device address
LPB	6630	Always	Identification of master boiler
LPB	6640	Autonomous	Setting of master cascade clock

SLAVE BOILER (2)

MENU	PARAMETER	VALUE	DESCRIPTION
Configuration	5710	Off	Disable Heating Circuit 1
LPB	6600	2	Boiler Address
LPB	6640	Slave with remote setting	Setting of cascade boilers clock with Master boiler

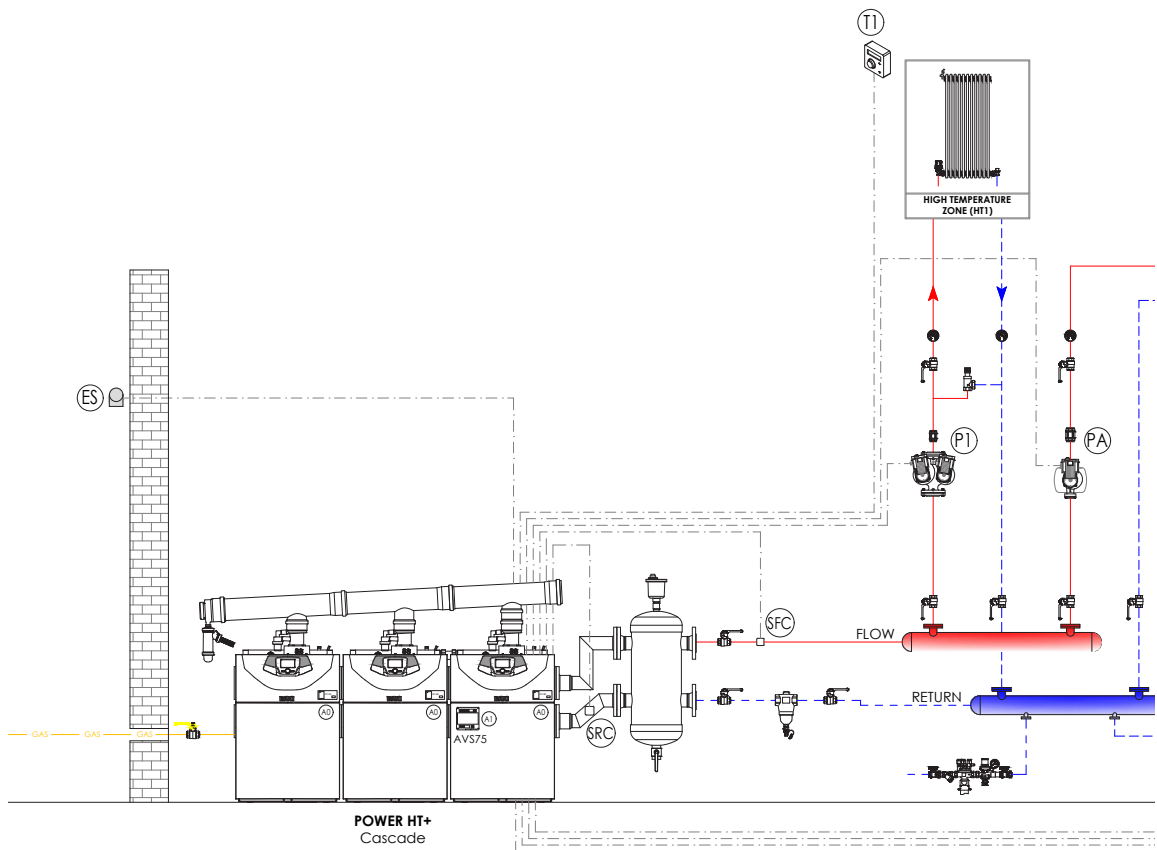
SLAVE BOILER (N)

MENU	PARAMETER	VALUE	DESCRIPTION
Configuration	5710	Off	Disable Heating Circuit 1
LPB	6600	N	Boiler Address
LPB	6640	Slave with remote setting	Setting of cascade boilers clock with Master boiler

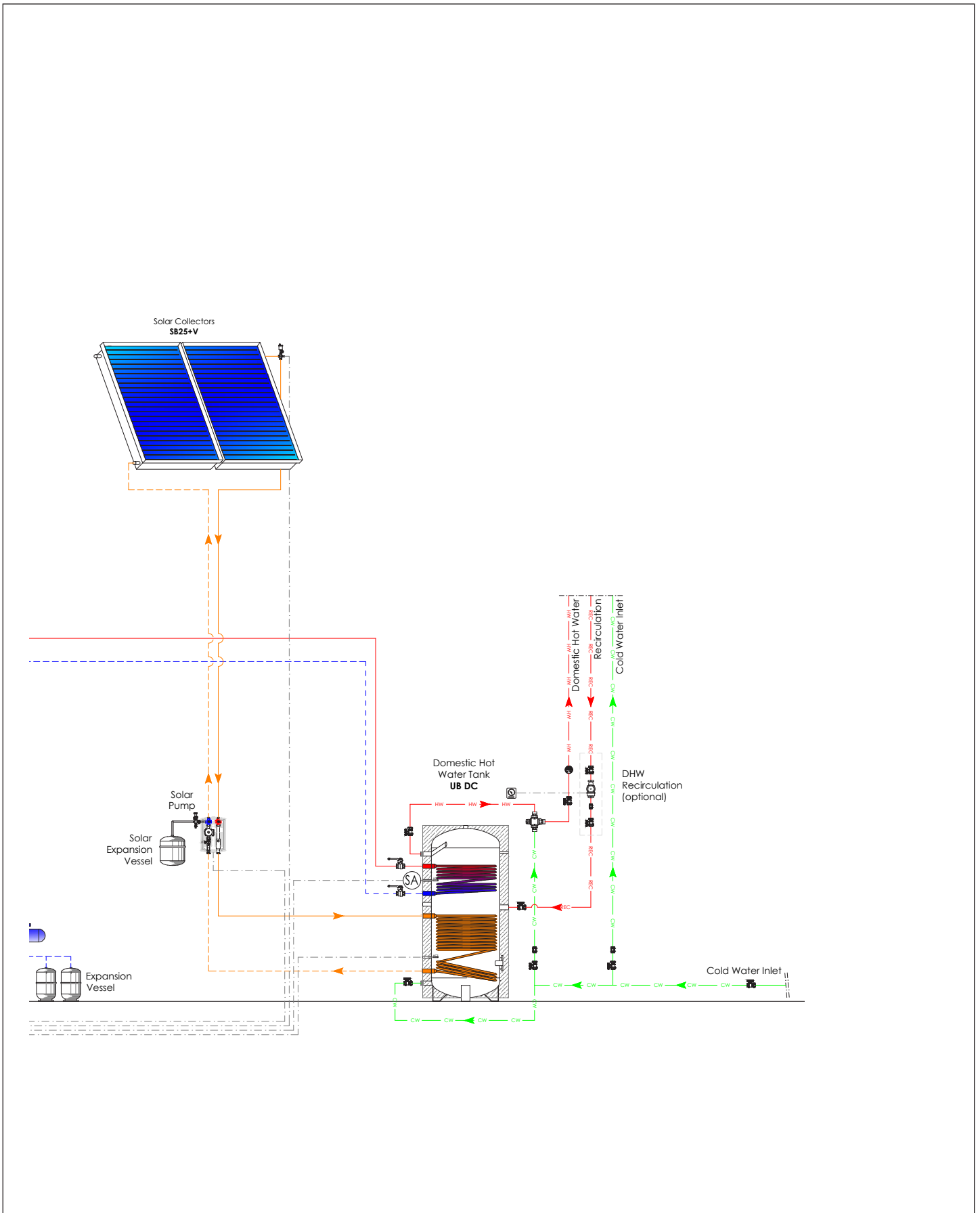
Installation scheme

Hydraulic and electrical scheme for control and regulation

LEGEND	
PA	DHW TANK PUMP
P1	DIRECT CIRCUIT PUMP (HT1)
T1	DIRECT CIRCUIT ROOM THERMOSTAT (HT1)
SA	DHW TANK SENSOR
ES	OUTDOOR SENSOR
SRC	CASCADE RETURN SENSOR
SFC	CASCADE FLOW SENSOR

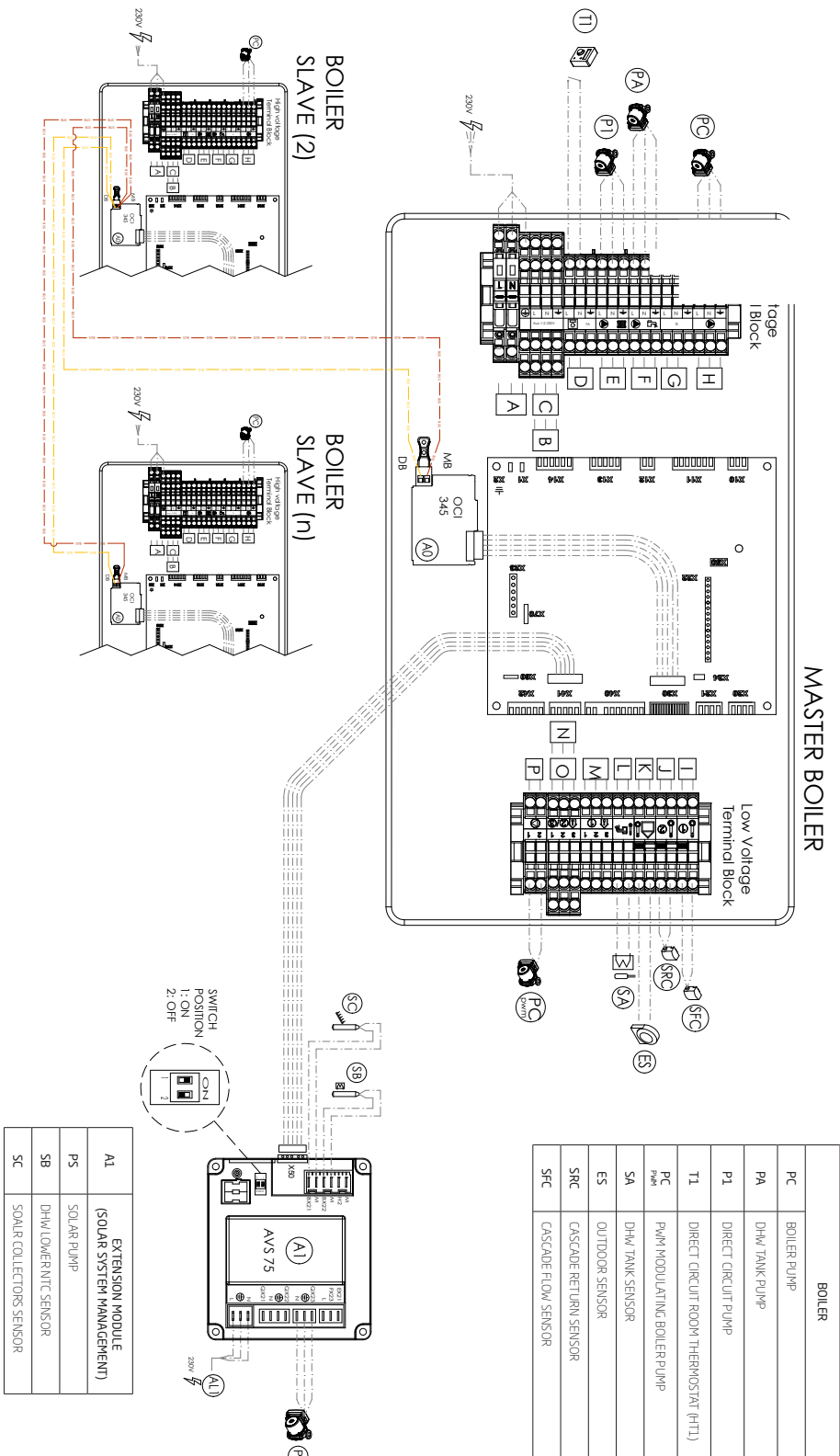


Power HT+ Cascade - 1 High temperature zone (HT1)
Domestic Hot Water (after hydraulic separator) with solar integration



Installation scheme

Electric scheme-connection



Power HT + Cascade - 1 High temperature zone (HT1)
Domestic Hot Water (after hydraulic separator) with solar integration

Installation scheme

Power HT+ Cascade - 1 High temperature direct circuit (HT1) - Domestic Hot Water tank (after hydraulic separator) with solar integration

Accessories

- N°1 INTERFACE KIT OCI 345 - for each boiler (7104408)
- N°1 AVS 75 for solar system management (7105037)
- N°1 OUTDOOR SENSOR - QAC34 (7104873)
- N°2 CONTACT SENSORS - QAD36 (KHG 71407891)
- N°2 NTC SENSORS FOR STORAGE TANK (KHG 71407681)
- N°1 SOLAR COLLECTORS SENSOR Pt 1000 for AVS 75 (LNC 71000004)

Connections (for details refer to the manuals)

- In each boiler, the interface kit OCI 345-A0 must be connected through the flat cable to the connector X30 of the electronic PCB.
- Connect the OCI 345-A0 via the connectors MB and DB.

Attention: MB must be connected with MB, as well as DB with DB

Connections (for details refer to the manuals)

- Connect the AVS 75-A1 to the boiler in the connector X41
- Set the addresses of additional AVS 75 via the switches (Dip switch):
 - AVS 75: 1 ON ; 2 OFF (extension module 1)

IMPORTANT: if steady, the AVS 75 green led signals that the bus connections are correctly set

- Connect to the MASTER boiler the following components:

Boiler pump (PC)	High voltage terminal block - Terminal H
DHW tank pump (PA)	High voltage terminal block - Terminal F
Direct circuit pump (P1)	High voltage terminal block - Terminal E
Direct circuit room thermostat (T1)	High voltage terminal block - Terminal D
Cascade flow sensor (SFC)	Low voltage terminal block - Terminal I
Cascade return sensor (SRC)	Low voltage terminal block - Terminal J
Outdoor sensor (ES)	Low voltage terminal block - Terminal K
DHW tank sensor (SA)	Low voltage terminal block - Terminal L
PWM modulating boiler pump (PC PWM)	Low voltage terminal block - Terminal P

- Connect to the SLAVE boiler the following components:

Boiler pump (PC)	High voltage terminal block - Terminal H
PWM modulating boiler pump (PC PWM)	Low voltage terminal block - Terminal P

- Connect to the AVS 75-A1 the following components:

Solar pump (PS)	QX23 - N
DHW lower NTC sensor (SB)	BX22 - M
Solar collectors sensor (SC)	BX21 - M

Parameters setting

While parameterizing a boiler, it is necessary to take off the power supply to the other ones.

MASTER BOILER (Default: Address 1)

- Enter the SPECIALIST menu (if a **PASSWORD** is required: **10101**)

MENU	PARAMETER	VALUE	DESCRIPTION
Configuration	5736	OFF	Disable DHW on single boiler
Configuration	5931	Common flow sensor B10	Cascade flow sensor on master boiler
Configuration	5932	Cascade return sensor B70	Cascade return sensor on master boiler
Configuration	6020	DHW Solar	Enable the extension module 1 for the solar system
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings
LPB	6600	1	Device address
LPB	6630	Always	Identification of master boiler
LPB	6640	Autonomous	Setting of master cascade clock

SLAVE BOILER (2)

MENU	PARAMETER	VALUE	DESCRIPTION
Configuration	5710	Off	Disable Heating Circuit 1
LPB	6600	2	Boiler Address
LPB	6640	Slave with remote setting	Setting of cascade boilers clock with Master boiler

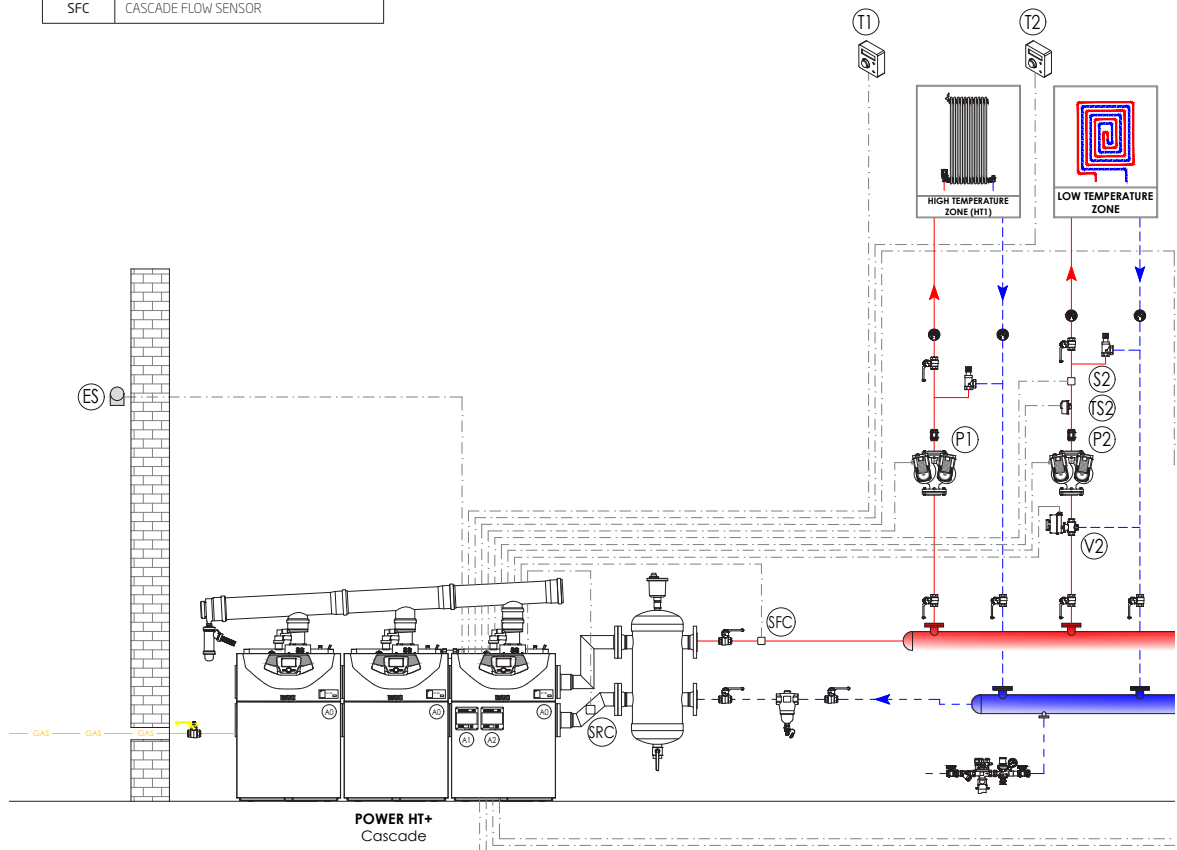
SLAVE BOILER (N)

MENU	PARAMETER	VALUE	DESCRIPTION
Configuration	5710	Off	Disable Heating Circuit 1
LPB	6600	N	Boiler Address
LPB	6640	Slave with remote setting	Setting of cascade boilers clock with Master boiler

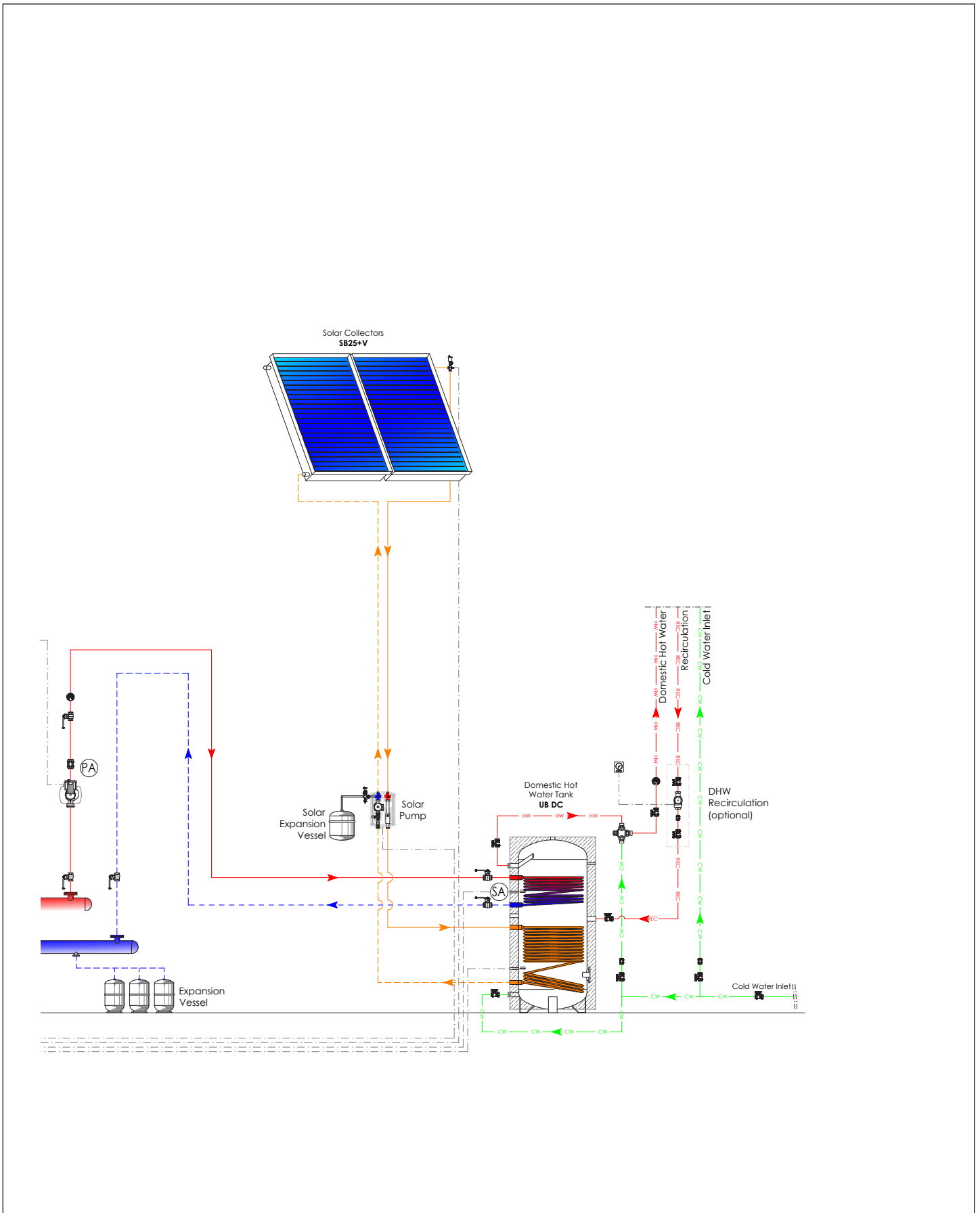
Installation scheme

Hydraulic and electrical scheme for control and regulation

LEGEND	
PA	DHW TANK PUMP
P1	DIRECT CIRCUIT PUMP (HT1)
P2	LT2 CIRCUIT PUMP
SA	DHW TANK SENSOR
ES	OUTDOOR SENSOR
T1	DIRECT CIRCUIT ROOM THERMOSTAT (HT1)
T2	LT2 CIRCUIT ROOM THERMOSTAT
V2	LT2 MIXING VALVE
S2	LT2 CIRCUIT FLOW SENSOR
TS2	LT2 SAFETY THERMOSTAT
SRC	CASCADE RETURN SENSOR
SFC	CASCADE FLOW SENSOR

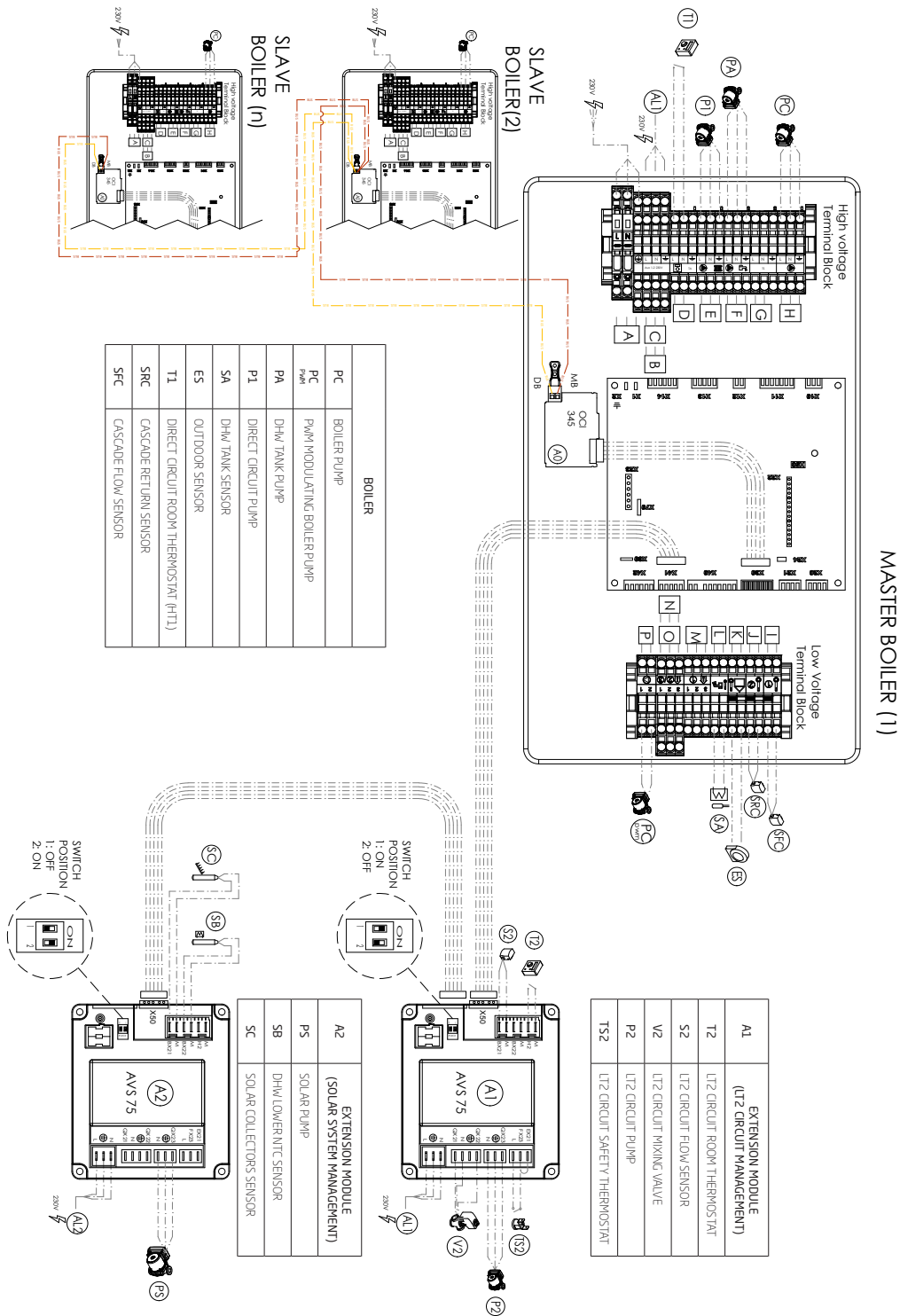


Power HT+ Cascade - 1 High Temperature zone (HT1) and 1 Low Temperature zone (LT2).
Domestic Hot Water (after hydraulic separator) with solar integration



Installation scheme

Electric scheme-connection



Power HT + Cascade - 1 High Temperature zone (HT1) and 1 Low Temperature zone (LT2).
Domestic Hot Water (after hydraulic separator) with solar integration

Installation scheme

Power HT+ Cascade - 1 High temperature direct circuit (HT1) - 1 Low temperature zone (LT2) - Domestic Hot Water tank (after hydraulic separator) and solar integration

Accessories

- N°1 INTERFACE KIT OCI 345 - for each boiler (7104408)
- N°1 AVS 75 for solar system management (7105037)
- N°1 AVS 75 for mixed zone management (7105037)
- N°1 OUTDOOR SENSOR - QAC34 (7104873)
- N°3 CONTACT SENSORS - QAD36 (KHG 71407891)
- N°2 NTC SENSORS FOR STORAGE TANK (KHG 71407681)
- N°1 SOLAR COLLECTORS SENSOR Pt 1000 for AVS 75 (LNC 71000004)

Connections (for details refer to the manuals)

- In each boiler, the interface kit OCI 345-A0 must be connected through the flat cable to the connector X30 of the electronic PCB.
- Connect the OCI 345-A0 via the connectors MB and DB.

Attention: MB must be connected with MB, as well as DB with DB

Connections (for details refer to the manuals)

- Connect the AVS 75-A1 to the boiler in the connector X41
- Set the addresses of additional AVS 75 via the switches (Dip switch):
 - AVS 75: 1 ON ; 2 OFF (extension module 1)
- Connect the AVS 75-A2 to the AVS 75-A1 in the connector X50
- Set the addresses of additional AVS 75 via the switches (Dip switch):
 - AVS 75: 1 OFF ; 2 ON (extension module 2)

IMPORTANT: if steady, the AVS 75 green led signals that the bus connections are correctly set

- Connect to the MASTER boiler the following components:

Boiler pump (PC)	High voltage terminal block - Terminal H
DHW tank pump (PA)	High voltage terminal block - Terminal F
Direct circuit pump (P1)	High voltage terminal block - Terminal E
Direct circuit room thermostat (T1)	High voltage terminal block - Terminal D
Cascade flow sensor (SFC)	Low voltage terminal block - Terminal I
Cascade return sensor (SRC)	Low voltage terminal block - Terminal J
Outdoor sensor (ES)	Low voltage terminal block - Terminal K
DHW tank sensor (SA)	Low voltage terminal block - Terminal L
PWM modulating boiler pump (PC PWM)	Low voltage terminal block - Terminal P

- Connect to the SLAVE boiler the following components:

Boiler pump (PC)	High voltage terminal block - Terminal H
PWM modulating boiler pump (PC PWM)	Low voltage terminal block - Terminal P

- Connect to the AVS 75-A1 the following components:

Safety thermostat (TS2)	FX23 - L (put a jumper between terminals EX21 - FX23)
LT2 circuit pump (P2)	QX23 - N
LT2 mixing valve (V2)	QX21 - N - QX22
LT2 circuit room thermostat (T2)	H2 - M
LT2 circuit flow sensor (S2)	BX21 - M

- Connect to the AVS 75-A2 the following components:

Solar pump (PS)	QX23 - N
DHW lower NTC sensor (SB)	BX22 - M
Solar collectors sensor (SC)	BX21 - M

Parameters setting

While parameterizing a boiler, it is necessary to take off the power supply to the other ones.

MASTER BOILER (Default: Address 1)

- Enter the SPECIALIST menu (if a **PASSWORD** is required: **10101**)

MENU	PARAMETER	VALUE	DESCRIPTION
Configuration	5715	ON	Enable heating circuit 2
Configuration	5736	OFF	Disable DHW on single boiler
Configuration	5931	Common flow sensor B10	Cascade flow sensor on master boiler
Configuration	5932	Cascade return sensor B70	Cascade return sensor on master boiler
Configuration	6020	Heating circuit 2	Enable the extension module 1 for the mixed zone
Configuration	6021	DHW Solar	Enable the extension module 2 for the solar system
Configuration	6024	Limit thermostat CH2	Enable the safety thermostat for the mixed zone
Configuration	6046	Room thermostat CH2	Enable the room thermostat for the mixed zone
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings
LPB	6600	1	Device address
LPB	6630	Always	Identification of master boiler
LPB	6640	Autonomous	Setting of master cascade clock

SLAVE BOILER (2)

MENU	PARAMETER	VALUE	DESCRIPTION
Configuration	5710	Off	Disable Heating Circuit 1
LPB	6600	2	Boiler Address
LPB	6640	Slave with remote setting	Setting of cascade boilers clock with Master boiler

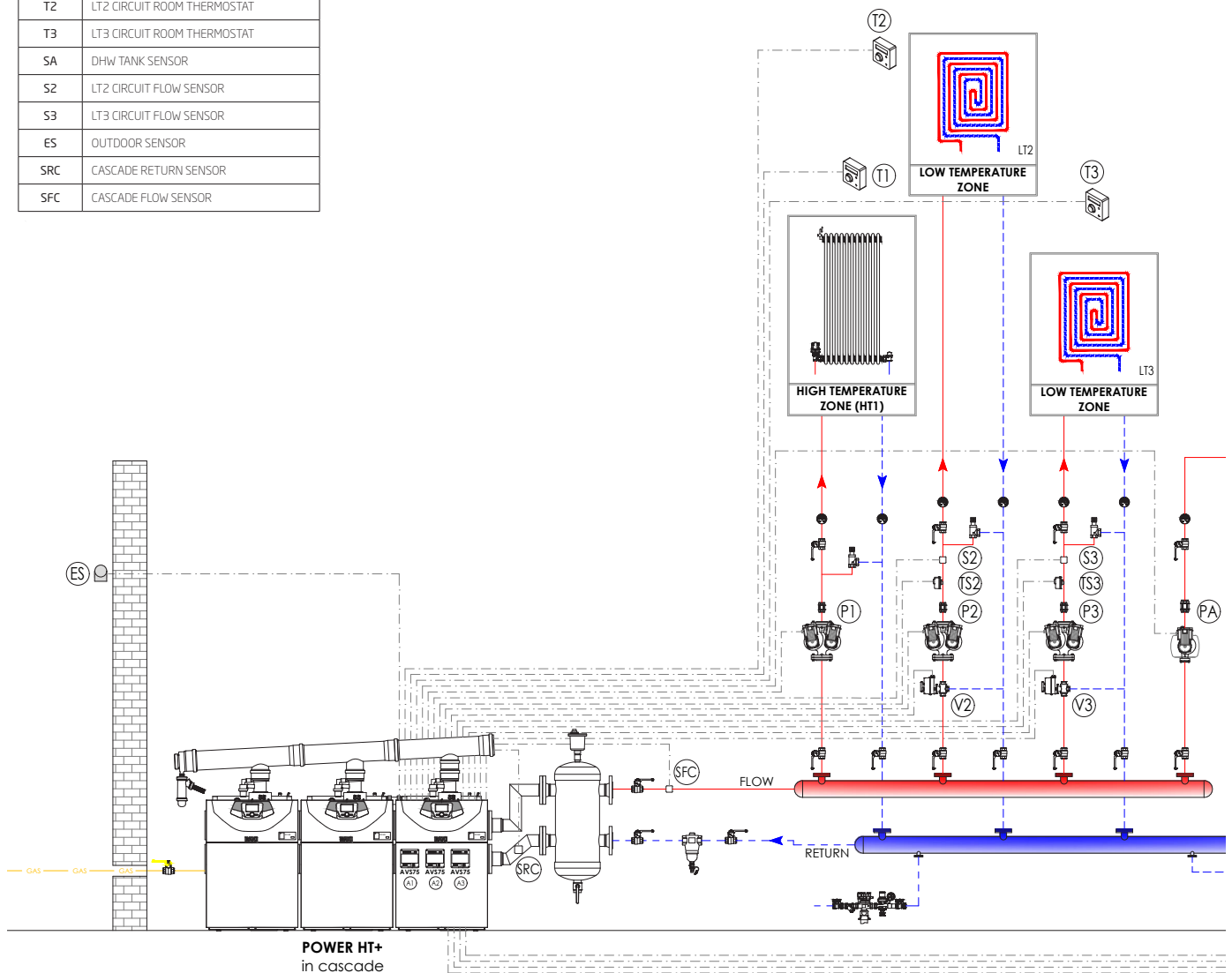
SLAVE BOILER (N)

MENU	PARAMETER	VALUE	DESCRIPTION
Configuration	5710	Off	Disable Heating Circuit 1
LPB	6600	N	Boiler Address
LPB	6640	Slave with remote setting	Setting of cascade boilers clock with Master boiler

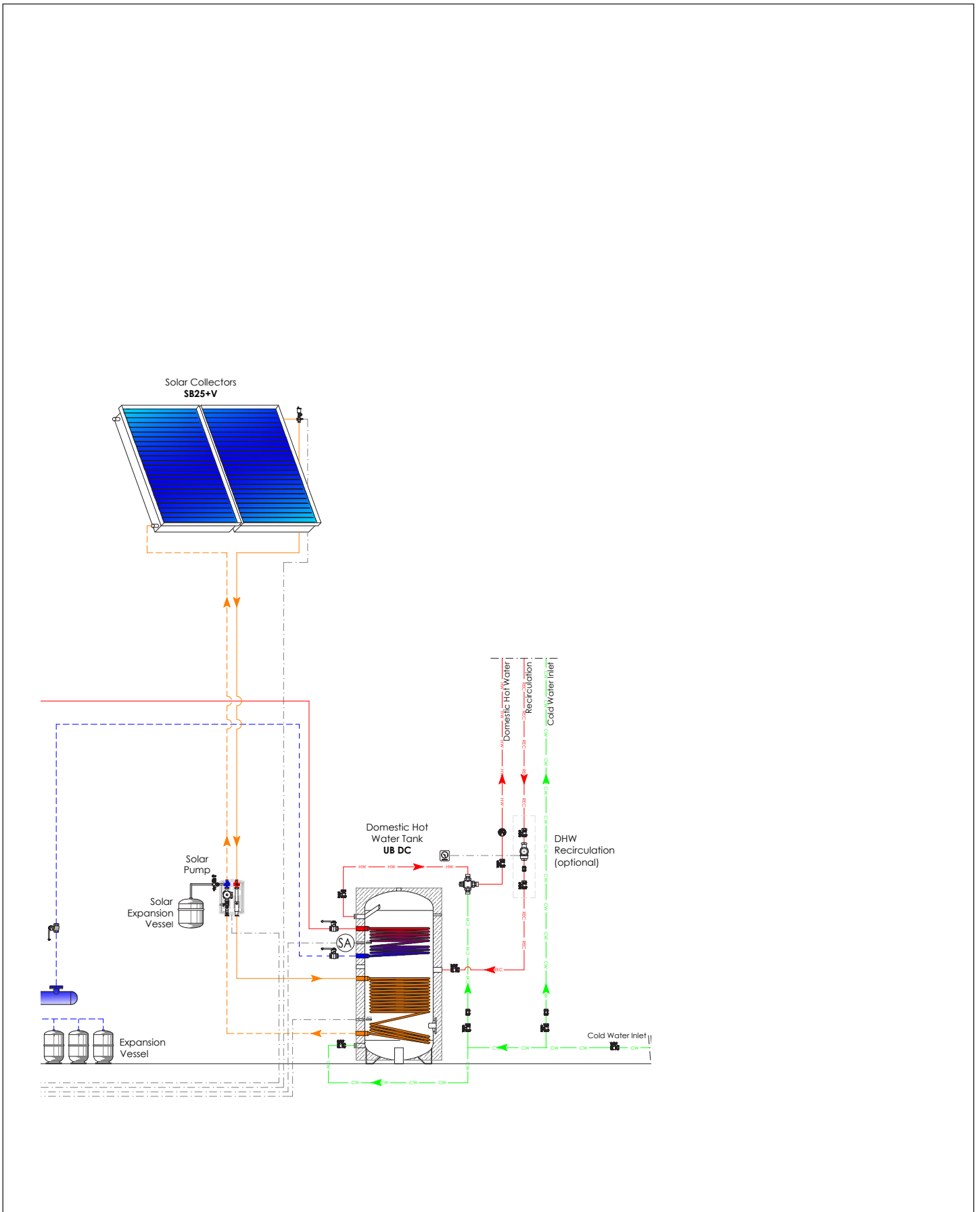
Installation scheme

Hydraulic and electrical scheme for control and regulation

LEGEND	
PA	DHW TANK PUMP
P1	DIRECT CIRCUIT PUMP (HT1)
P2	LT2 CIRCUIT PUMP
P3	LT3 CIRCUIT PUMP
T1	DIRECT CIRCUIT ROOM THERMOSTAT (HT1)
T2	LT2 CIRCUIT ROOM THERMOSTAT
T3	LT3 CIRCUIT ROOM THERMOSTAT
SA	DHW TANK SENSOR
S2	LT2 CIRCUIT FLOW SENSOR
S3	LT3 CIRCUIT FLOW SENSOR
ES	OUTDOOR SENSOR
SRC	CASCADE RETURN SENSOR
SFC	CASCADE FLOW SENSOR

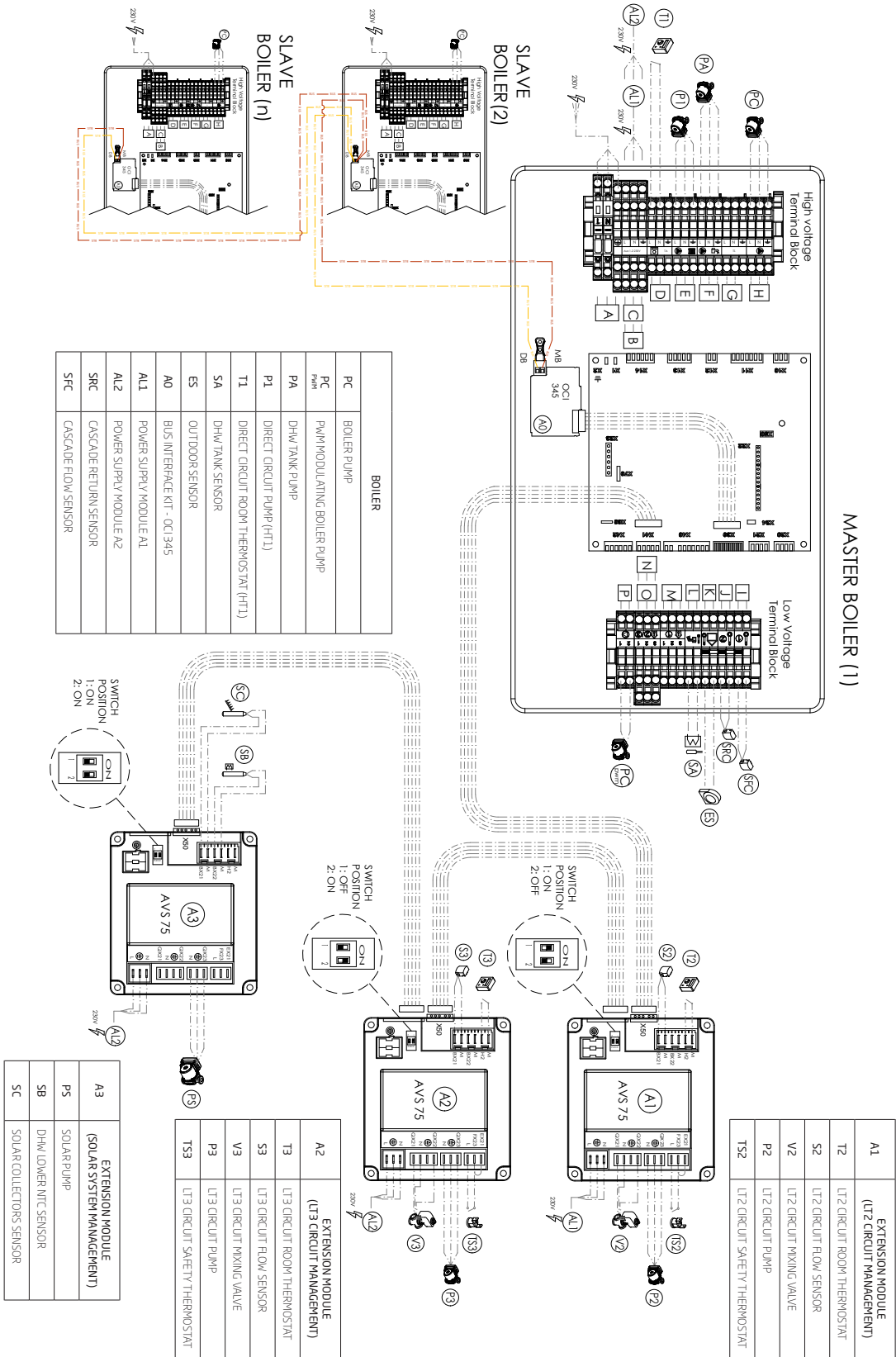


Power HT+ Cascade - 1 High temperature zone (HT1) - 2 Low Temperature zones (LT2 - LT3)
Domestic Hot Water (after hydraulic separator) with solar integration



Installation scheme

Electric scheme-connection



Installation scheme

Power HT+ Cascade - 1 High temperature zone (HT1) - 2 Low Temperature zones (LT2 - LT3) - Domestic Hot Water (after hydraulic separator) with solar integration

Accessories

- N°1 INTERFACE KIT OCI 345 - for each boiler (7104408)
- N°1 AVS 75 for solar system management (7105037)
- N°2 AVS 75 for mixed zone management (7105037)
- N°1 OUTDOOR SENSOR - QAC34 (7104873)
- N°4 CONTACT SENSORS - QAD36 (KHG 71407891)
- N°2 NTC SENSORS FOR STORAGE TANK (KHG 71407681)
- N°1 SOLAR COLLECTORS SENSOR Pt 1000 for AVS 75 (LNC 71000004)

Connections (for details refer to the manuals)

- In each boiler, the interface kit OCI 345-A0 must be connected through the flat cable to the connector X30 of the electronic PCB.
- Connect the OCI 345-A0 via the connectors MB and DB.

Attention: MB must be connected with MB, as well as DB with DB

Connections (for details refer to the manuals)

- Connect the AVS 75-A1 to the boiler in the connector X41
- Set the addresses of additional AVS 75 via the switches (Dip switch):
 - AVS 75: 1 ON ; 2 OFF (extension module 1)
- Connect the AVS 75-A2 to the AVS 75-A1 in the connector X50
- Set the addresses of additional AVS 75 via the switches (Dip switch):
 - AVS 75: 1 OFF ; 2 ON (extension module 2)
- Connect the AVS 75-A3 to the AVS 75-A2 in the connector X50
- Set the addresses of additional AVS 75 via the switches (Dip switch):
 - AVS 75: 1 ON ; 2 ON (extension module 3)

IMPORTANT: if steady, the AVS 75 green led signals that the bus connections are correctly set

- Connect to the MASTER boiler the following components:

Boiler pump (PC)	High voltage terminal block - Terminal H
DHW tank pump (PA)	High voltage terminal block - Terminal F
Direct circuit pump (P1)	High voltage terminal block - Terminal E
Direct circuit room thermostat (T1)	High voltage terminal block - Terminal D
Cascade flow sensor (SFC)	Low voltage terminal block - Terminal I
Cascade return sensor (SRC)	Low voltage terminal block - Terminal J
Outdoor sensor (ES)	Low voltage terminal block - Terminal K
DHW tank sensor (SA)	Low voltage terminal block - Terminal L
PWM modulating boiler pump (PC PWM)	Low voltage terminal block - Terminal P

- Connect to the SLAVE boiler the following components:

Boiler pump (PC)	High voltage terminal block - Terminal H
PWM modulating boiler pump (PC PWM)	Low voltage terminal block - Terminal P

- Connect to the AVS 75-A1 the following components:

Safety thermostat (TS2)	FX23 - L (put a jumper between terminals EX21 - FX23)
LT2 circuit pump (P2)	QX23 - N
LT2 mixing valve (V2)	QX21 - N - QX22
LT2 circuit room thermostat (T2)	H2 - M
LT2 circuit flow sensor (S2)	BX21 - M

- Connect to the AVS 75-A2 the following components:

Safety thermostat (TS3)	FX23 - L (put a jumper between terminals EX21 - FX23)
LT3 circuit pump (P3)	QX23 - N
LT3 mixing valve (V3)	QX21 - N - QX22
LT3 circuit room thermostat (T3)	H2 - M
LT3 circuit flow sensor (S3)	BX21 - M

- Connect to the AVS 75-A3 the following components:

Solar pump (PS)	QX23 - N
DHW lower NTC sensor (SB)	BX22 - M
Solar collectors sensor (SC)	BX21 - M

Parameters setting

While parameterizing a boiler, it is necessary to take off the power supply to the other ones.

MASTER BOILER (Default: Address 1)

- Enter the SPECIALIST menu (if a **PASSWORD** is required: **10101**)

MENU	PARAMETER	VALUE	DESCRIPTION
Configuration	5715	ON	Enable heating circuit 2
Configuration	5721	ON	Enable heating circuit 3
Configuration	5736	OFF	Disable DHW on single boiler
Configuration	5931	Common flow sensor B10	Cascade flow sensor on master boiler
Configuration	5932	Cascade return sensor B70	Cascade return sensor on master boiler
Configuration	6020	Heating circuit 2	Enable the extension module 1 for the mixed zone
Configuration	6021	Heating circuit 3	Enable the extension module 2 for the mixed zone
Configuration	6022	DHW Solar	Enable the extension module 3 for the solar system
Configuration	6024	Limit thermostat CH2	Enable the safety thermostat for the mixed zone
Configuration	6026	Limit thermostat CH3	Enable the safety thermostat for the mixed zone
Configuration	6046	Room thermostat CH2	Enable the room thermostat for the mixed zone
Configuration	6054	Room thermostat CH3	Enable the room thermostat for the mixed zone
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings
LPB	6600	1	Device address
LPB	6630	Always	Identification of master boiler
LPB	6640	Autonomous	Setting of master cascade clock

SLAVE BOILER (2)

MENU	PARAMETER	VALUE	DESCRIPTION
Configuration	5710	Off	Disable Heating Circuit 1
LPB	6600	2	Boiler Address
LPB	6640	Slave with remote setting	Setting of cascade boilers clock with Master boiler

SLAVE BOILER (N)

MENU	PARAMETER	VALUE	DESCRIPTION
Configuration	5710	Off	Disable Heating Circuit 1
LPB	6600	N	Boiler Address
LPB	6640	Slave with remote setting	Setting of cascade boilers clock with Master boiler



Quality Environment Safety

are Baxi strategic aims and the awarded certifications ensure compliance with the specific regulations

BAXISPA

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