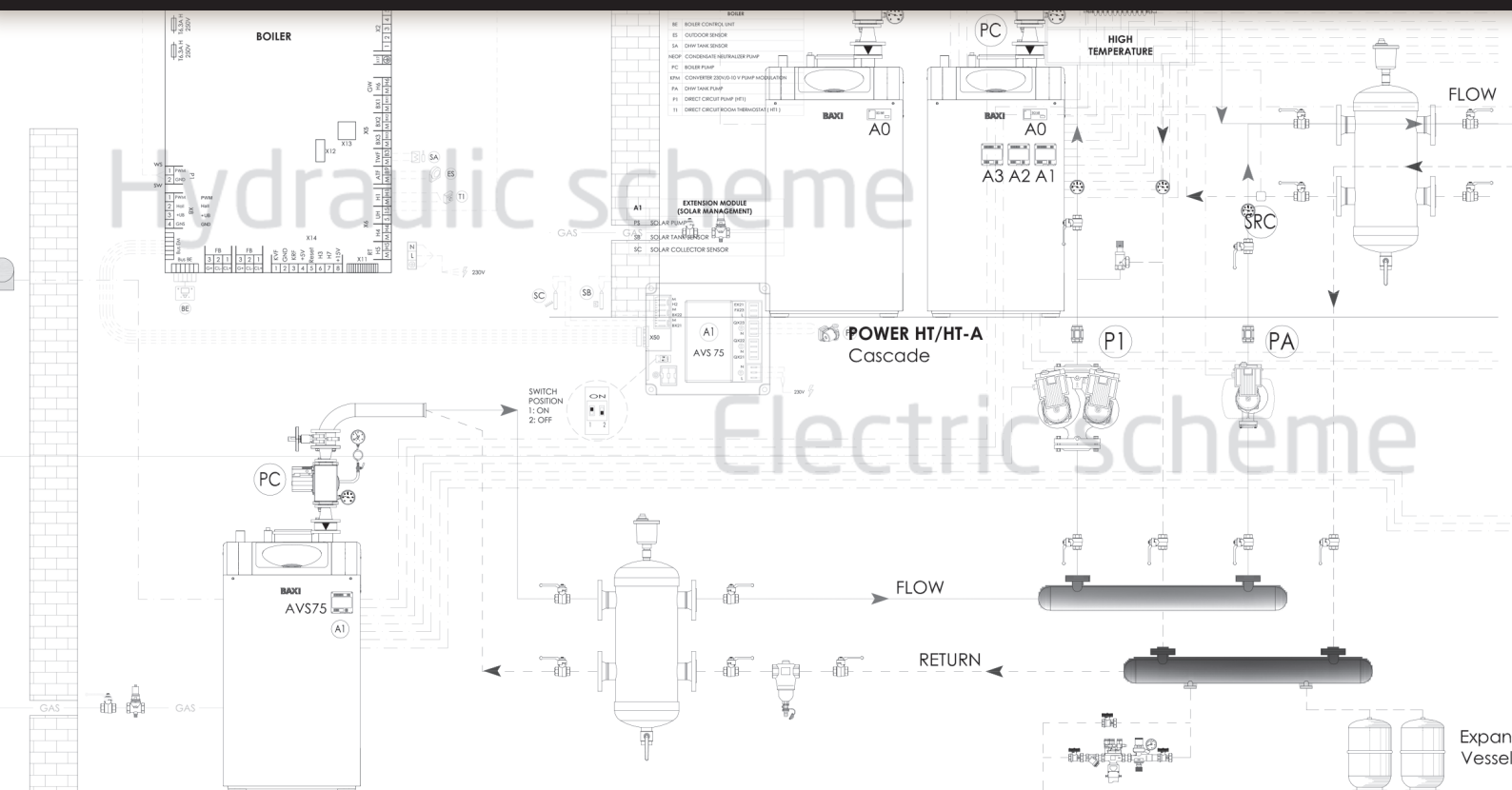


BAXI

Power HT-A Installation schemes



Index

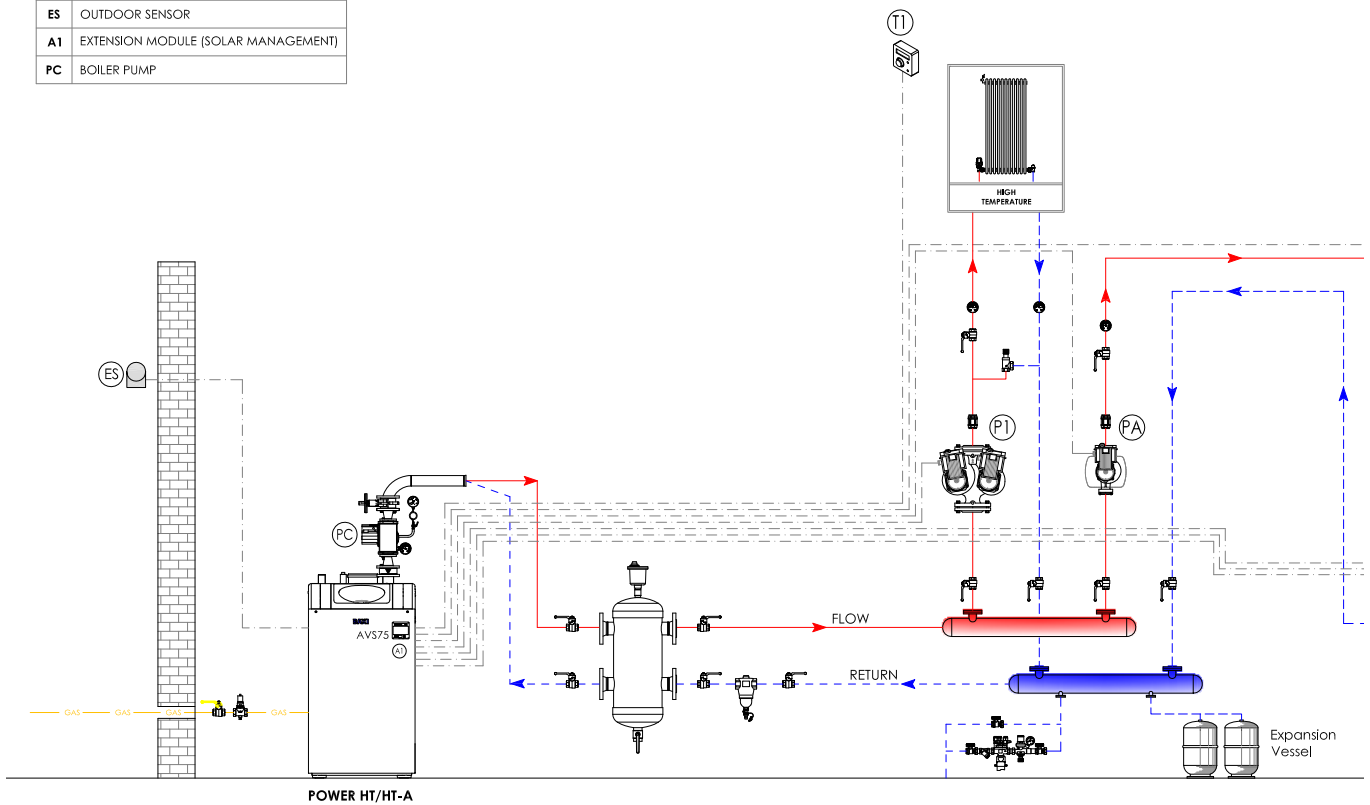
Installation schemes

Power HT/HT-A - 1 High temperature direct circuit (HT1) - Domestic Hot Water tank with solar integration	
Hydraulic and electrical scheme for control and regulation	4
Electric scheme-connection	6
Configuration	7
Power HT/HT-A - 1 High temperature direct circuit (HT1) - Domestic Hot Water tank - System control 0-10V (not provided)	
Hydraulic and electrical scheme for control and regulation	8
Electric scheme-connection	10
Configuration	11
Power HT/HT-A Cascade - 1 High temperature direct circuit (HT1) - Domestic Hot Water tank	
Hydraulic and electrical scheme for control and regulation	12
Electric scheme-connection	14
Configuration	15
Power HT/HT-A Cascade - 1 High temperature direct circuit (HT1) - Domestic Hot Water tank - System control 0-10 V (not provided)	
Hydraulic and electrical scheme for control and regulation	18
Electric scheme-connection	20
Configuration	21
Power HT/HT-A Cascade - 1 High temperature direct circuit (HT1) - Domestic Hot Water tank with solar integration	
Hydraulic and electrical scheme for control and regulation	24
Electric scheme-connection	26
Configuration	27
Power HT/HT-A Cascade - 1 High temperature direct circuit (HT1) - 1 Low temperature zone (LT2) - Domestic Hot Water tank with solar integration	
Hydraulic and electrical scheme for control and regulation	30
Electric scheme-connection	32
Configuration	33
Power HT/HT-A Cascade - 1 High temperature direct circuit (HT1) - 2 Low temperature zones (LT2- LT3) - Domestic Hot Water tank with solar integration	
Hydraulic and electrical scheme for control and regulation	36
Electric scheme-connection	38
Configuration	39

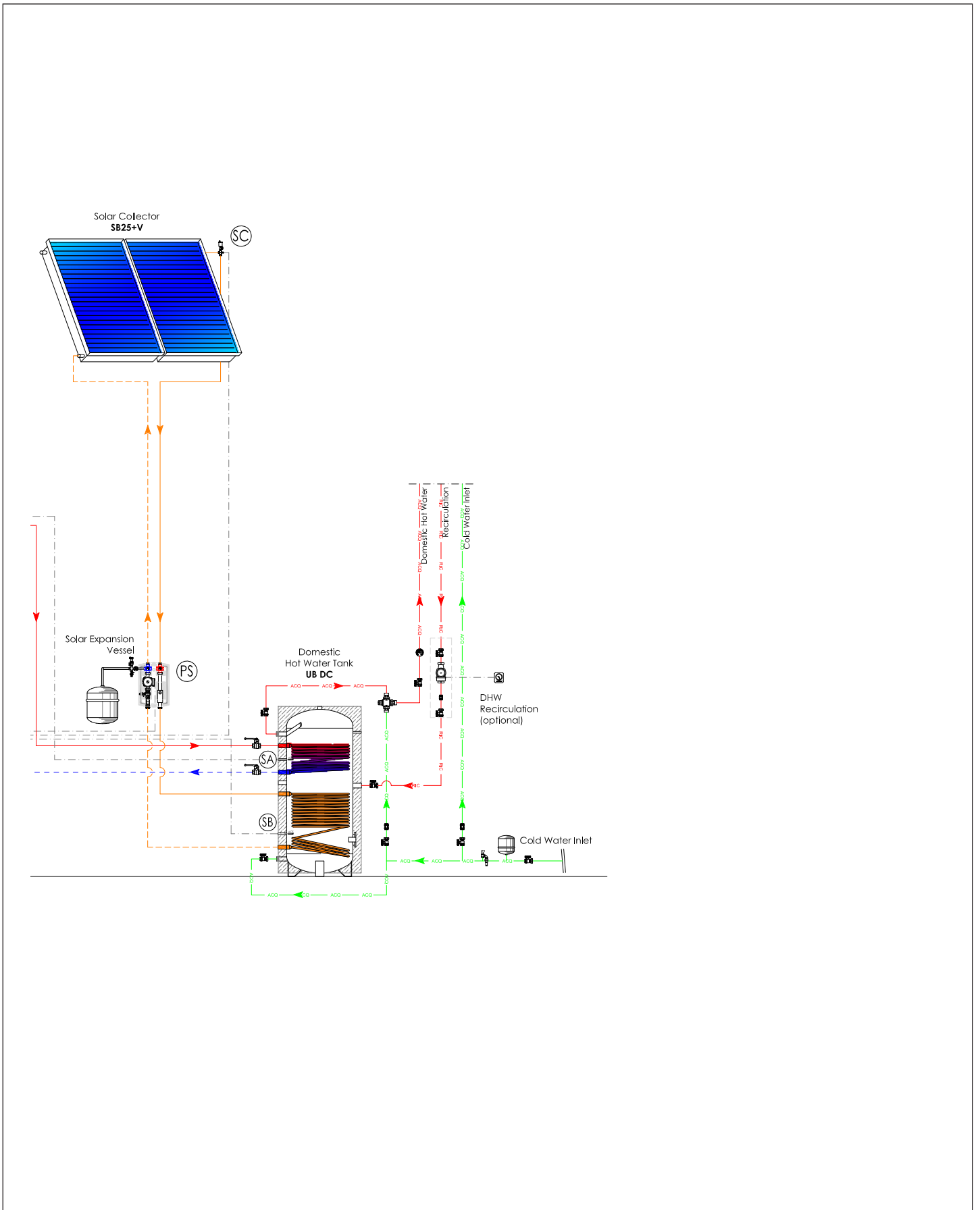
Installation scheme

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	SOLAR TANK SENSOR
SC	SOLAR COLLECTOR SENSOR
ES	OUTDOOR SENSOR
A1	EXTENSION MODULE (SOLAR MANAGEMENT)
PC	BOILER PUMP

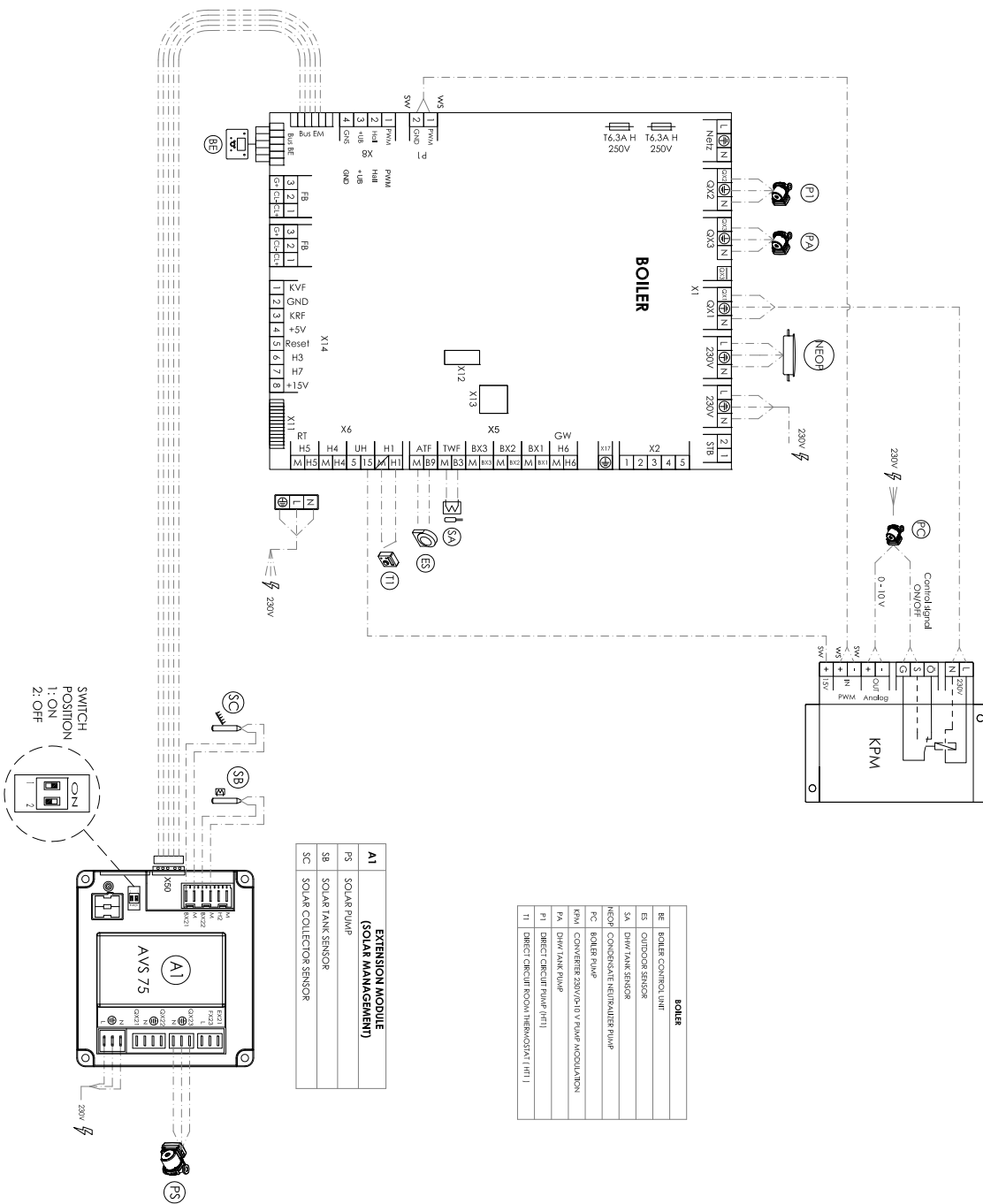


Power HT/HT-A - 1 High temperature direct circuit (HT1)
Domestic Hot Water tank with solar integration



Installation scheme

Electric scheme-connection



Installation scheme

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

Accessories

- N°1 KPM for Grundfos Magna modulating pump (LXO 00061010)
- N°2 NTC SENSORS for STORAGE TANK (LSX 71000002)
- N°1 SOLAR COLLECTORS SENSOR Pt 1000 (LNC 71000004)
- N°1 AVS 75 for solar management (7213872)

Connections (for details refer to the manuals)

- Connect the AVS 75-A1 to the boiler in the connector BUS EM
- 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:

Direct circuit pump (P1)	QX2
DHW tank pump (PA)	QX3
DHW tank sensor (SA)	TWF
Outdoor sensor (ES)	ATF
Direct circuit room thermostat (T1)	H1

- Connect to the KPM the following components:

Boiler PCB (QX1)	L - N
Boiler PCB (P1)	PWM IN
Boiler PCB (UH)	15 V
Boiler Pump (PC) Control signal ON/OFF	S - G
Boiler Pump (PC) 0-10V	Analog OUT

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

Solar pump (PS)	QX23 - N
Solar tank sensor (SB)	BX22 - M
Solar collectors sensor (SC)	BX21 - M

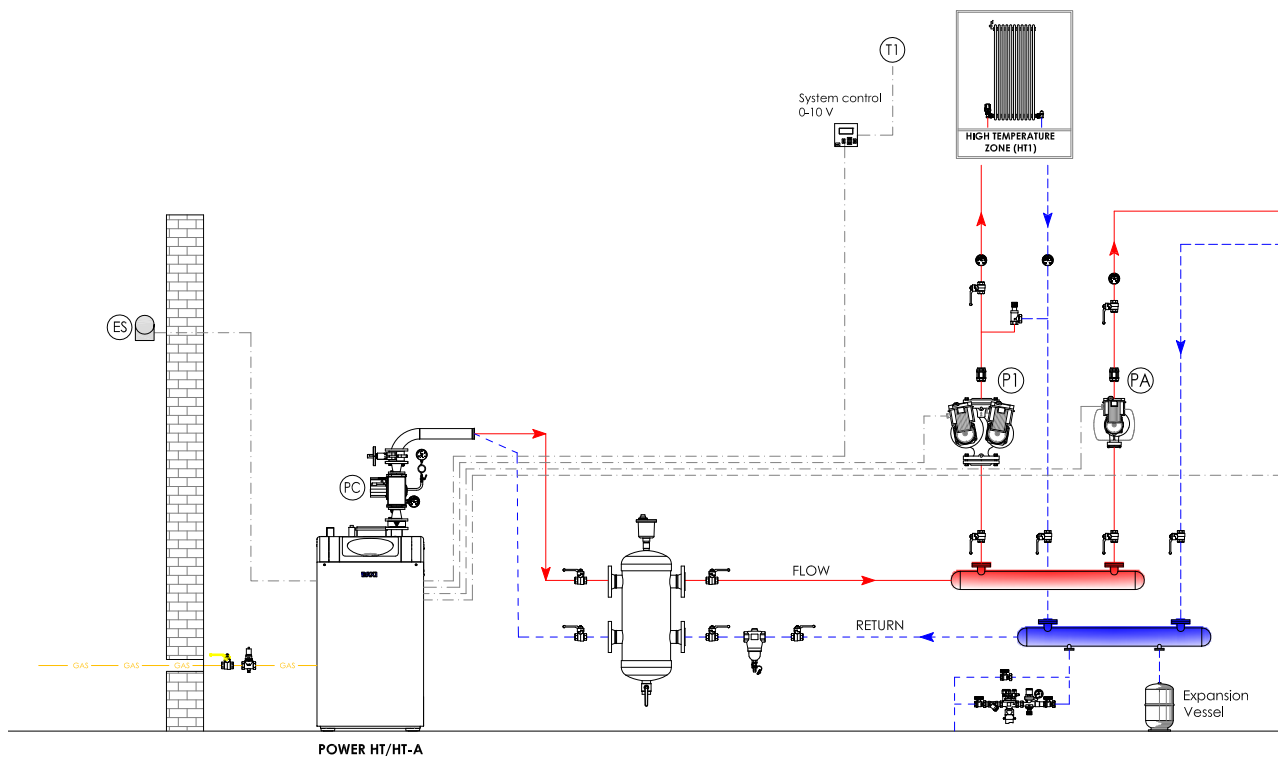
Parameters Setting

MENU	PARAMETER	VALUES TO SET	DESCRIPTION
Configuration	5950	Room thermostat HCl	T1 of the heating circuit in input H1 of the Boiler PCB
Configuration	6020	Solar DHW	Enable the extension module 1 for the solar system
Configuration	6085	Boiler pump Q1	Enable PWM - output P1
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings

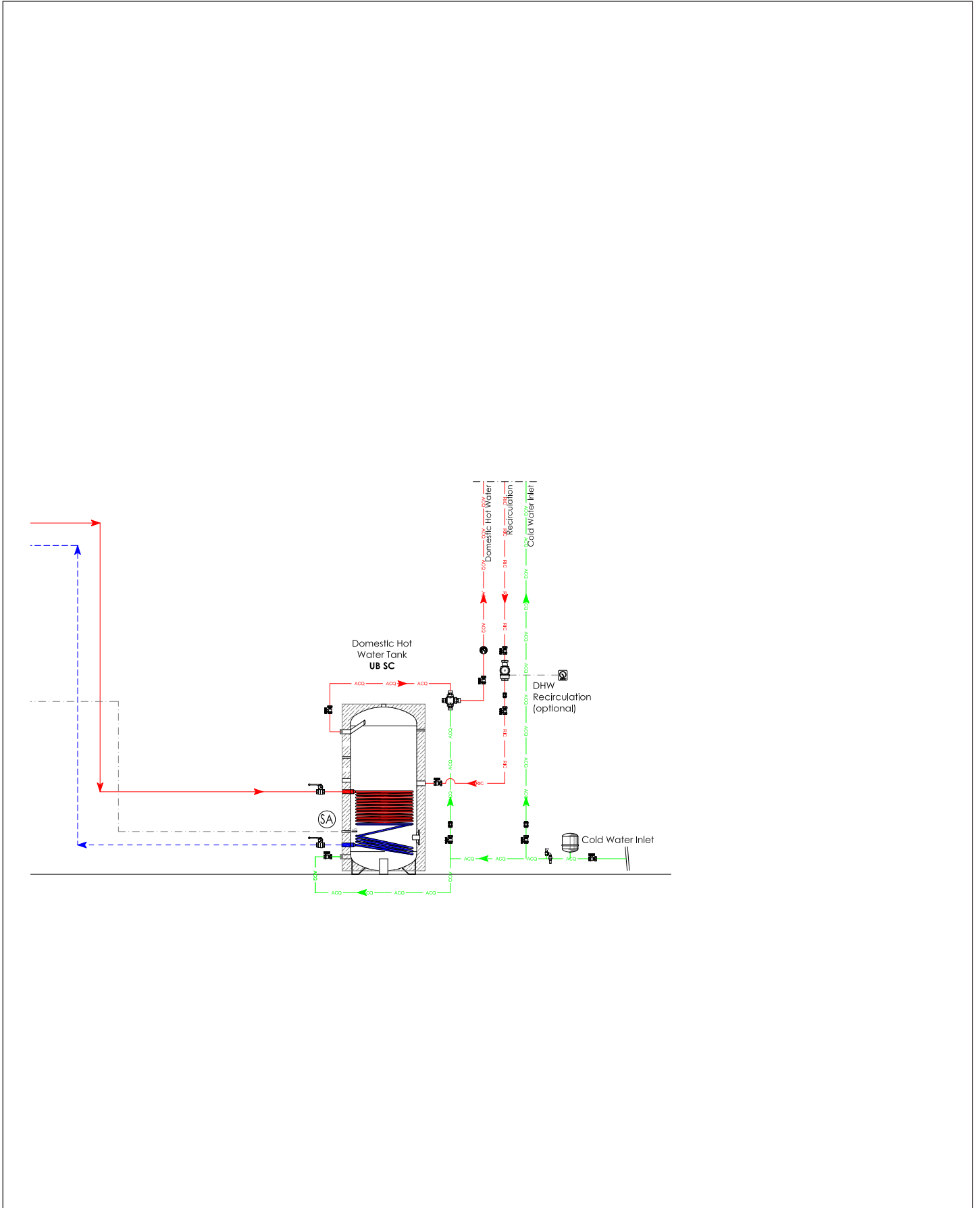
Installation scheme

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
ES	OUTDOOR SENSOR
PC	BOILER PUMP

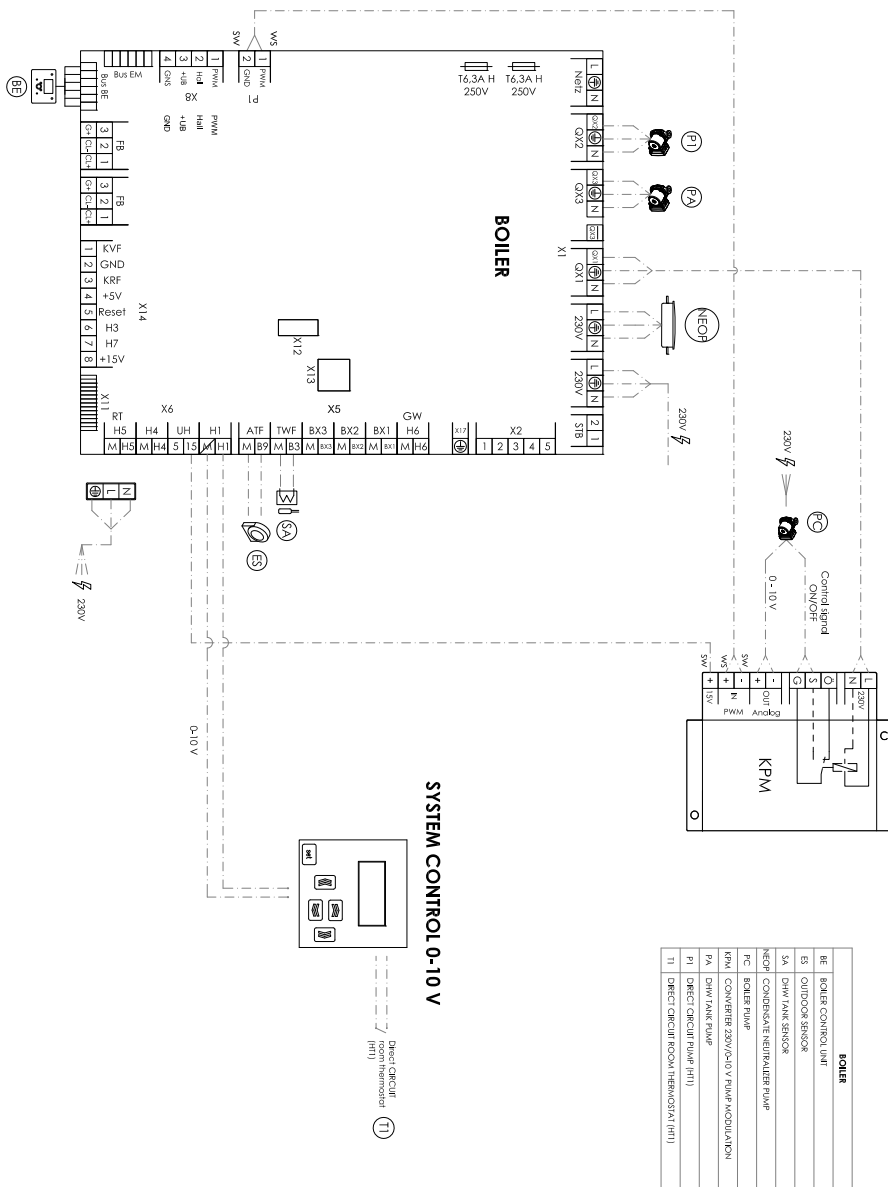


Power HT/HT-A - 1 High temperature direct circuit (HT1)
 Domestic Hot Water tank - System Control 0-10 V (not provided)



Installation scheme

Electric scheme-connection



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

Installation scheme

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

Accessories

- N°1 KPM for Grundfos Magna modulating pump (LXO 00061010)
- N°1 NTC SENSOR for STORAGE TANK (LSX 71000002)

- Connect to the boiler the following components:

Direct circuit pump (P1)	QX2
DHW tank pump (PA)	QX3
DHW tank sensor (SA)	TWF
Outdoor sensor (ES)	ATF
System control 0-10 V	H1

- Connect to the KPM the following components:

Boiler PCB (QX1)	L - N
Boiler PCB (P1)	PWM IN
Boiler PCB (UH)	15 V
Boiler Pump (PC) Control signal ON/OFF	S - G
Boiler Pump (PC) 0-10V	Analog OUT

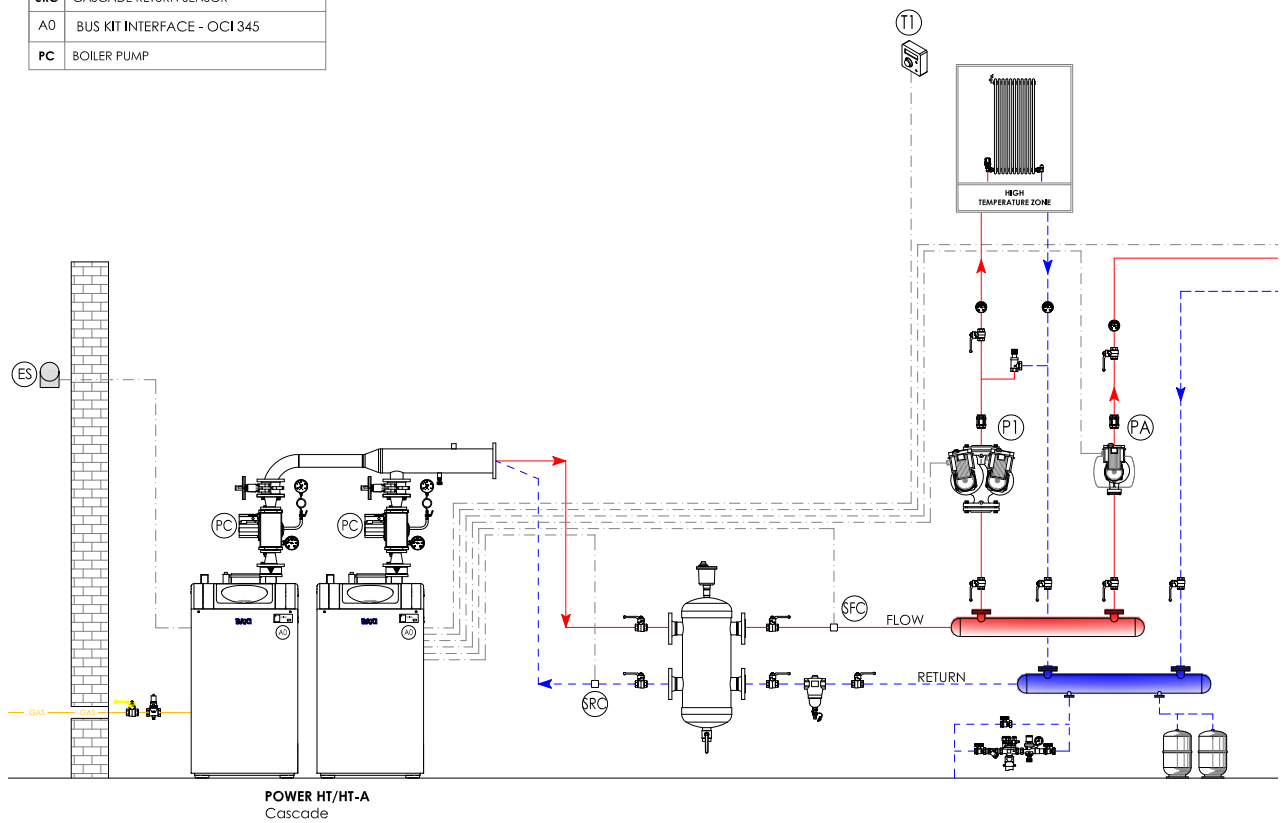
Parameters Setting

MENU	PARAMETER	VALUES TO SET	DESCRIPTION
Configuration	5950	User Request VK1 10V	T1 of the heating circuit in input H1 of the Boiler PCB
Configuration	6085	Boiler pump Q1	Enable PWM - output P1
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings

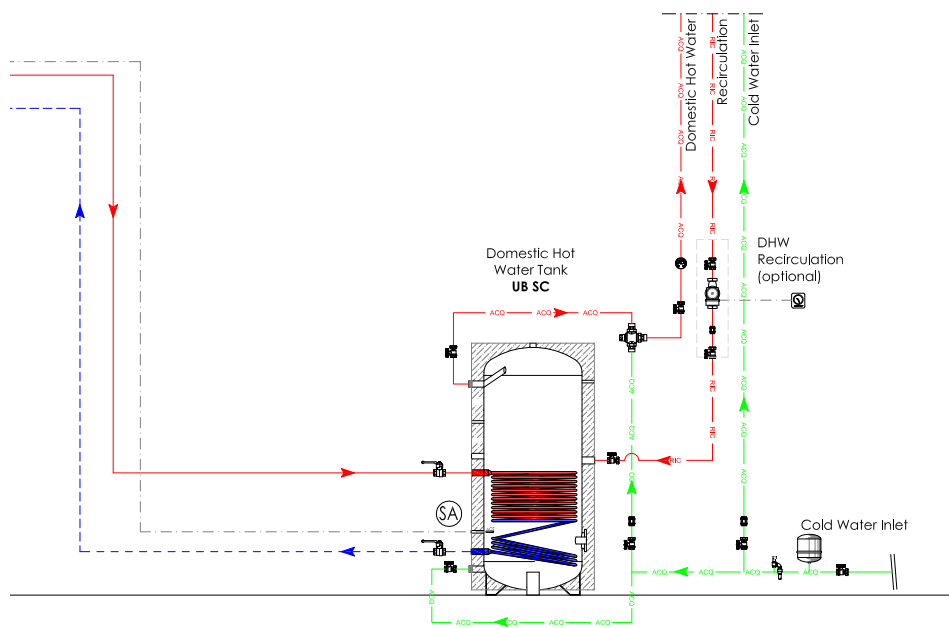
Installation scheme

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
ES	OUTDOOR SENSOR
SFC	CASCADE FLOW SENSOR
SRC	CASCADE RETURN SENSOR
A0	BUS KIT INTERFACE - OCI 345
PC	BOILER PUMP

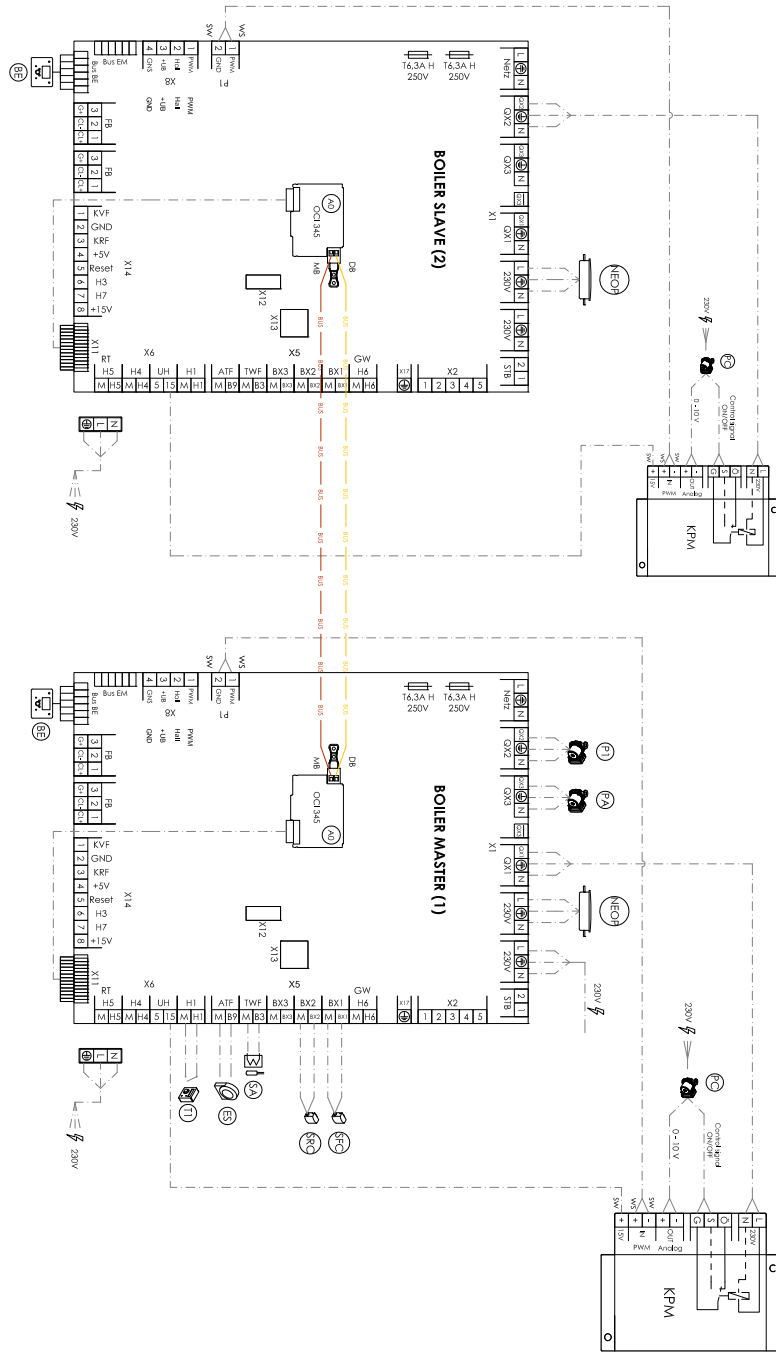


Power HT/HT-A Cascade - 1 High temperature direct circuit (HT1)
Domestic Hot Water tank



Installation scheme

Electric scheme-connection



BOILER	
BE	BOILER CONTROL UNIT
ES	OUTDOOR SENSOR
S4	DRAW TANK SENSOR
TI	DIRECT CIRCUIT ROOM THERMOSTAT (HT)
NEOH	CONDENSATE NEUTRALIZER PUMP
PC	BOILER PUMP
PA	DRAW TANK PUMP
P1	DIRECT CIRCUIT PUMP (HT)
SFC	CASCADE RETURN SENSOR
KPM	CONVERTER 230V/230V PUMP MODULATION
AO	BUS INTERFACE - OC1345

Power HT/HT-A Cascade - 1 High temperature direct circuit (HT1)
Domestic Hot Water tank

Installation scheme

Power HT/HT-A Cascade - 1 High temperature direct circuit (HT1) - Domestic Hot Water tank

Accessories

- N°1 INTERFACE KIT OCI 345 - for each boiler (7104408)
- N°1 KPM for Grundfos Magna modulating pump - for each boiler (LXO 00061010)
- N°2 CONTACT SENSORS - QAD36 (KHG 71407891)
- N°1 NTC SENSOR FOR STORAGE TANK (LSX 71000002)

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 X11 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:

Direct circuit pump (P1)	QX2
DHW tank pump (PA)	QX3
Cascade flow sensor (SFC)	BX1
Cascade return sensor (SRC)	BX2
DHW tank sensor (SA)	TWF
Outdoor sensor (ES)	ATF
Direct circuit room thermostat (T1)	H1

- Connect to the KPM of each boiler (MASTER and SLAVES) the following components:

Boiler PCB (QX1)	L - N
Boiler PCB (P1)	PWM IN
Boiler PCB (UH)	15 V
Boiler Pump (PC) Control signal ON/OFF	S - G
Boiler Pump (PC) 0-10V	Analog OUT

Parameters setting

MASTER BOILER (Default: Address 1)

MENU	PARAMETER	VALUE	DESCRIPTION
Configuration	5930	Common flow sensor B10	Cascade flow sensor on master boiler
Configuration	5931	Cascade return sensor B70	Cascade return sensor on master boiler
Configuration	5950	Room thermostat HCl	T1 of the heating circuit in input H1 of the boiler PCB
Configuration	6085	Boiler pump Q1	Enable PWM - output P1
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings
LPB	6600	1	Device address

SLAVE BOILER (2)

MENU	PARAMETER	VALUE	DESCRIPTION
Configuration	5710	Off	Disable Heating Circuit 1
Configuration	6085	Boiler pump Q1	Enable PWM - output P1
LPB	6600	2	Boiler Address
LPB	6640	Slave with remote setting	Setting of cascade boilers clock with Master boiler

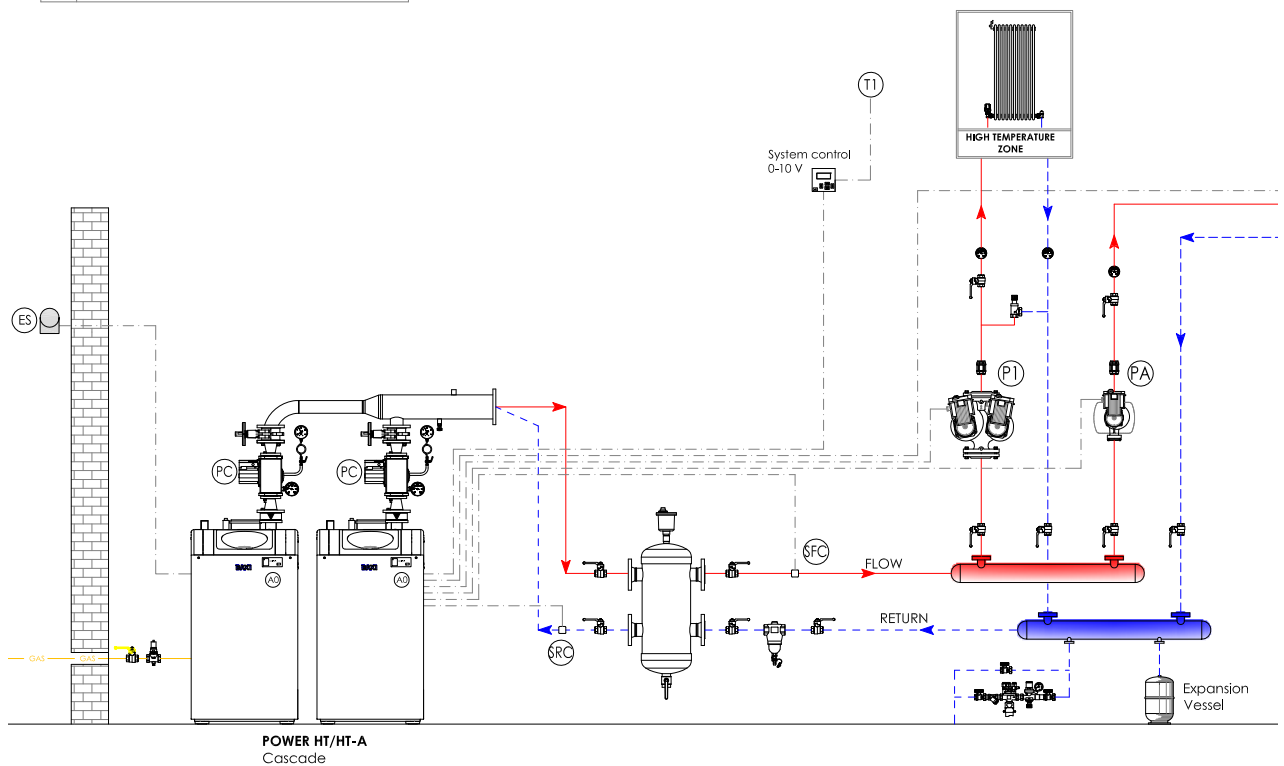
SLAVE BOILER (N)

MENU	PARAMETER	VALUE	DESCRIPTION
Configuration	5710	Off	Disable Heating Circuit 1
Configuration	6085	Boiler pump Q1	Enable PWM - output P1
LPB	6600	N	Boiler Address
LPB	6640	Slave with remote setting	Setting of cascade boilers clock with Master boiler

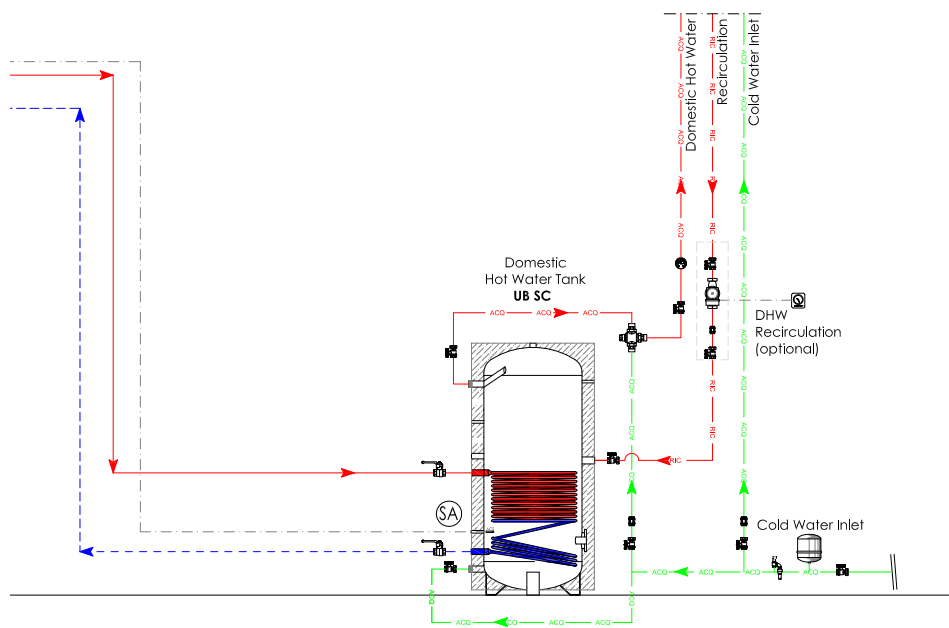
Installation scheme

Hydraulic and electrical scheme for control and regulation

LEGEND	
PA	DHW TANK PUMP
P1	DIRECT CIRCUIT PUMP (HT1)
A0	BUS KIT INTERFACE - OCI 345
T1	DIRECT CIRCUIT ROOM THERMOSTAT (HT1)
SA	DHW TANK SENSOR
SRC	CASCADE RETURN SENSOR
SFC	CASCADE FLOW SENSOR
ES	OUTDOOR SENSOR
PC	BOILER PUMP

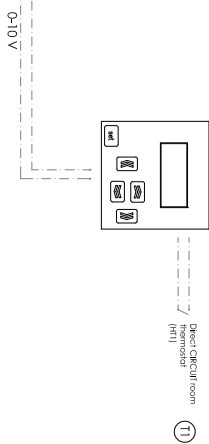
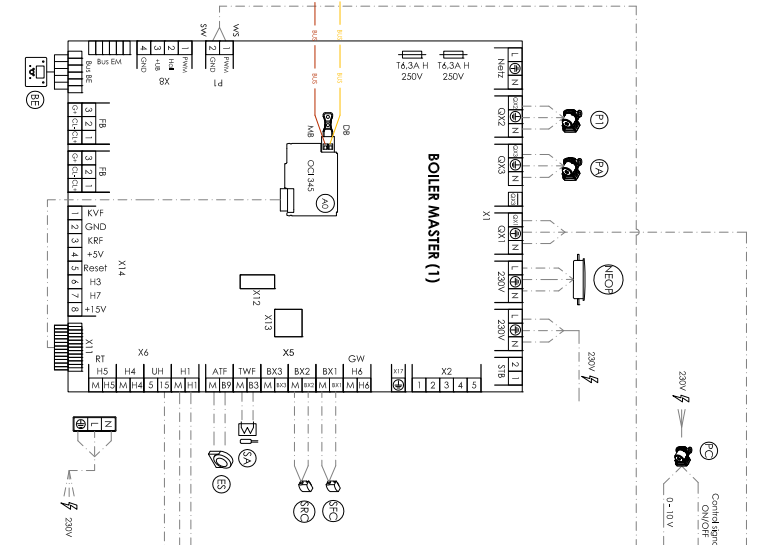
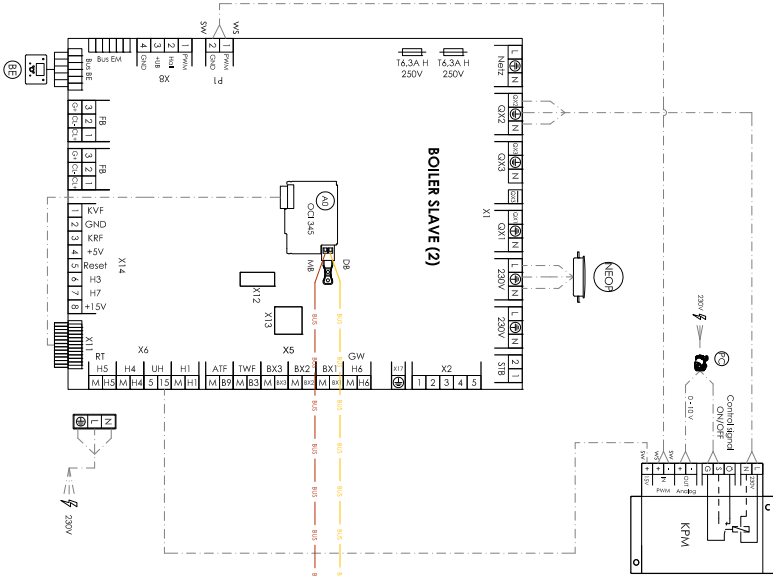


Power HT/HT-A Cascade - 1 High temperature direct circuit (HT1)
 Domestic Hot Water tank - System Control 0-10 V (not provided)



Installation scheme

Electric scheme-connection



BOILER	
BE	BOILER CONTROL UNIT
ES	INDOOR SENSOR
SA	DHW FANS SENSOR
NEOF	CONDENSATE REFRIGERANT PUMP
PC	BOILER PUMP
PA	DHW FANS PUMP
RI	DIRECT CIRCUIT PUMP (HT)
SFC	CASCADE RETURN SENSOR
SFC	CASCADE FLOW SENSOR
KPM	CONVERTER 250V/0-10V PUMP MODULATION
AO	BUS IN INTERFACE - CO-1345
T1	DIRECT CIRCUIT ROOM TEMPERATURE (HT)

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

Installation scheme

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

Accessories

- N°1 INTERFACE KIT OCI 345 - for each boiler (7104408)
- N°1 KPM for Grundfos Magna modulating pump - for each boiler (LXO 00061010)
- N°2 CONTACT SENSORS - QAD36 (KHG 71407891)
- N°1 NTC SENSOR FOR STORAGE TANK (LSX 71000002)

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 X11 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:

Direct circuit pump (P1)	QX2
DHW tank pump (PA)	QX3
Cascade flow sensor (SFC)	BX1
Cascade return sensor (SRC)	BX2
DHW tank sensor (SA)	TWF
Outdoor sensor (ES)	ATF
System control 0-10V	H1

- Connect to the KPM of each boiler (MASTER and SLAVES) the following components:

Boiler PCB (QX1)	L - N
Boiler PCB (P1)	PWM IN
Boiler PCB (UH)	15 V
Boiler Pump (PC) Control signal ON/OFF	S - G
Boiler Pump (PC) 0-10V	Analog OUT

Parameters setting

MASTER BOILER (Default: Address 1)

MENU	PARAMETER	VALUE	DESCRIPTION
Configuration	5930	Common flow sensor B10	Cascade flow sensor on master boiler
Configuration	5931	Cascade return sensor B70	Cascade return sensor on master boiler
Configuration	5950	User Request VK1 10V	T1 of the heating circuit in input H1 of the boiler PCB
Configuration	6085	Boiler pump Q1	Enable PWM - output P1
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings
LPB	6600	1	Device address

SLAVE BOILER (2)

MENU	PARAMETER	VALUE	DESCRIPTION
Configuration	5710	Off	Disable Heating Circuit 1
Configuration	6085	Boiler pump Q1	Enable PWM - output P1
LPB	6600	2	Boiler Address
LPB	6640	Slave with remote setting	Setting of cascade boilers clock with Master boiler

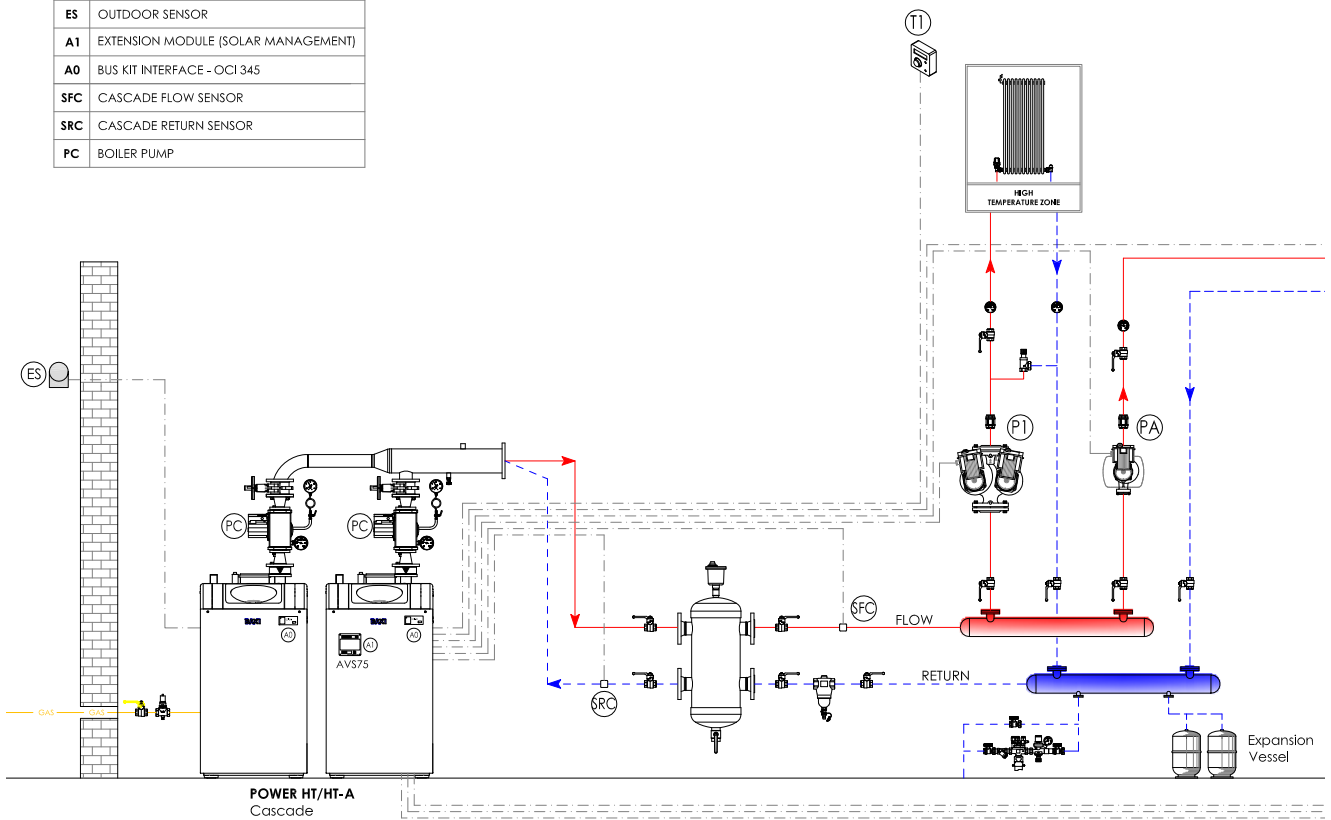
SLAVE BOILER (N)

MENU	PARAMETER	VALUE	DESCRIPTION
Configuration	5710	Off	Disable Heating Circuit 1
Configuration	6085	Boiler pump Q1	Enable PWM - output P1
LPB	6600	N	Boiler Address
LPB	6640	Slave with remote setting	Setting of cascade boilers clock with Master boiler

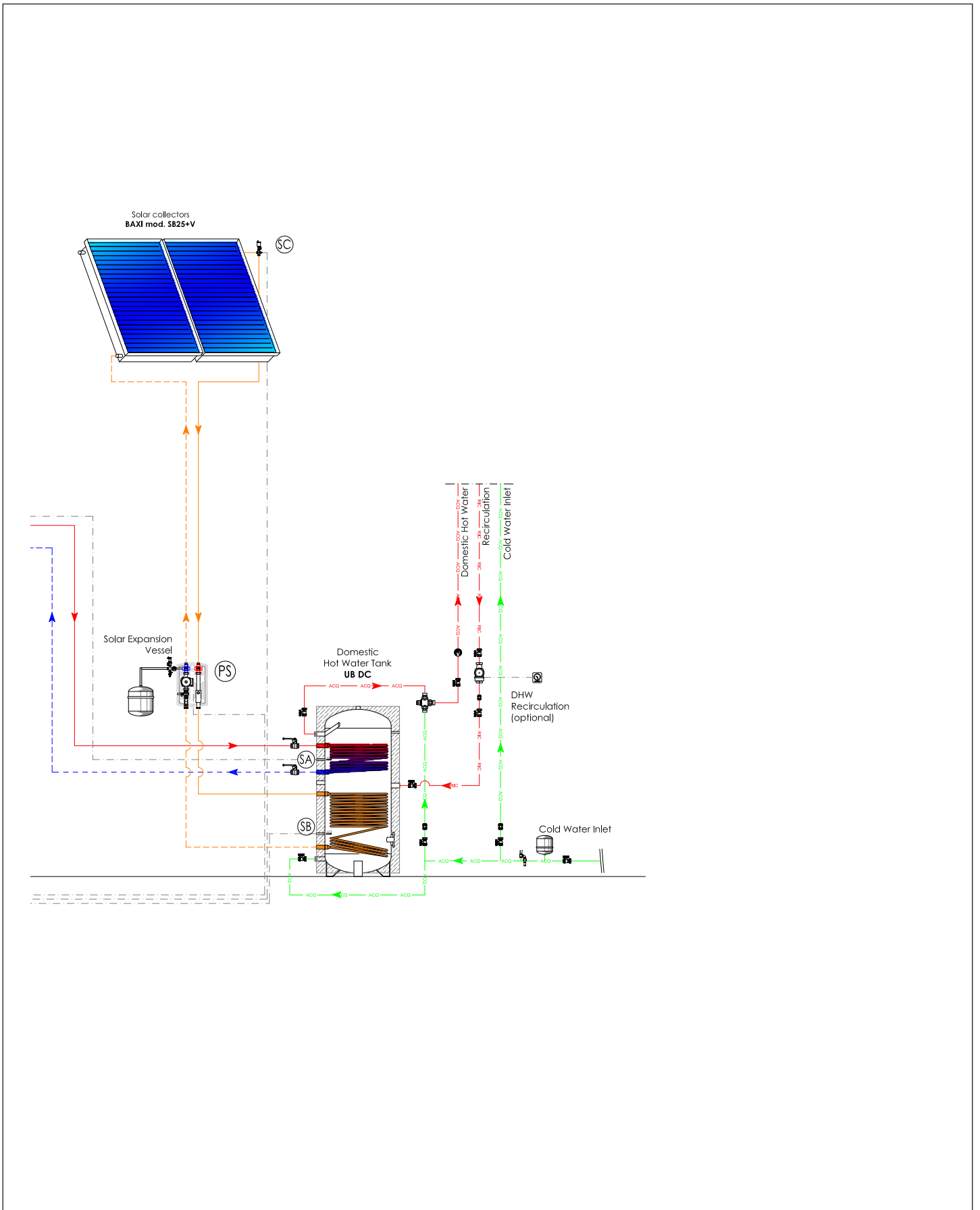
Installation scheme

Hydraulic and electrical scheme for control and regulation

LEGEND	
PA	DHW TANK PUMP
P1	DIRECT CIRCUIT PUMP (HT1)
PS	SOLAR PUMP
T1	DIRECT CIRCUIT ROOM THERMOSTAT (HT1)
SA	DHW TANK SENSOR
SB	SOLAR TANK SENSOR
SC	SOLAR COLLECTOR SENSOR
ES	OUTDOOR SENSOR
A1	EXTENSION MODULE (SOLAR MANAGEMENT)
A0	BUS KIT INTERFACE - OCI 345
SFC	CASCADE FLOW SENSOR
SRC	CASCADE RETURN SENSOR
PC	BOILER PUMP

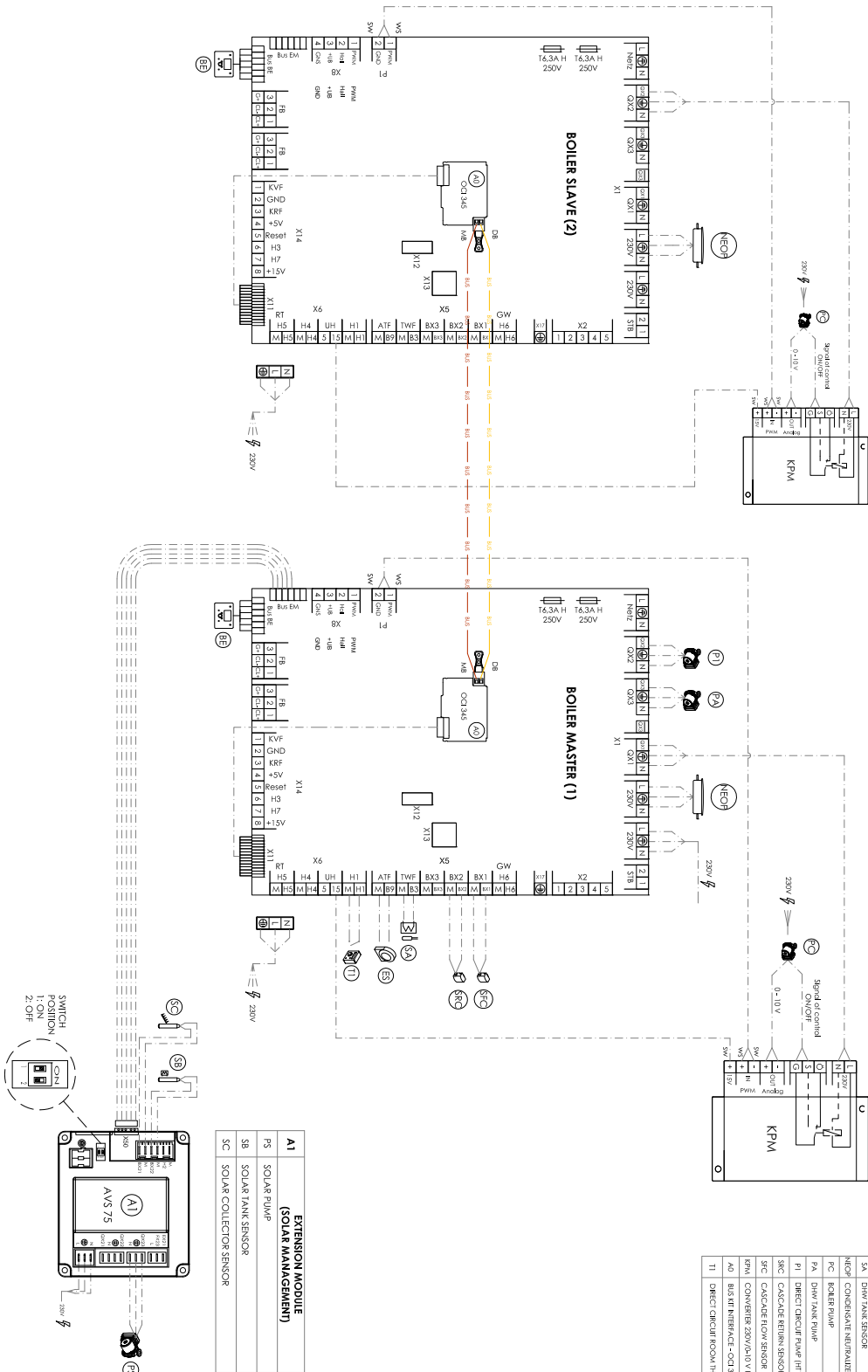


Power HT/HT-A Cascade - 1 High temperature direct circuit (HT1)
Domestic Hot Water tank with solar integration



Installation scheme

Electric scheme-connection



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

Installation scheme

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

Accessories

- N°1 INTERFACE KIT OCI 345 - for each boiler (7104408)
- N°1 KPM for Grundfos Magna modulating pump - for each boiler (LXO 00061010)
- N°2 CONTACT SENSORS - QAD36 (KHG 71407891)
- N°2 NTC SENSORS FOR STORAGE TANK (LSX 71000002)
- N°1 SOLAR COLLECTORS SENSOR Pt 1000 for AVS 75 (LNC 71000004)
- N°1 AVS 75 for solar management (7213872)

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 X11 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 MASTER boiler in the connector BUS EM
- 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:

Direct circuit pump (P1)	QX2
DHW tank pump (PA)	QX3
Cascade flow sensor (SFC)	BX1
Cascade return sensor (SRC)	BX2
DHW tank sensor (SA)	TWF
Outdoor sensor (ES)	ATF
Direct circuit room thermostat (T1)	H1

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

Solar pump (PS)	QX23 - N
Solar tank sensor (SB)	BX22 - M
Solar collectors sensor (SC)	BX21 - M

- Connect to the KPM of each boiler (MASTER and SLAVES) the following components:

Boiler PCB (QX1)	L - N
Boiler PCB (P1)	PWM IN
Boiler PCB (UH)	15 V
Boiler Pump (PC) Control signal ON/OFF	S - G
Boiler Pump (PC) 0-10V	Analog OUT

Parameters setting

MASTER BOILER (Default: Address 1)

MENU	PARAMETER	VALUE	DESCRIPTION
Configuration	5930	Common flow sensor B10	Cascade flow sensor on master boiler
Configuration	5931	Cascade return sensor B70	Cascade return sensor on master boiler
Configuration	5950	Room thermostat HCl	T1 of the heating circuit in input H1 of the boiler PCB
Configuration	6020	Solar DHW	Enable the extension module 1 for the solar system
Configuration	6085	Boiler pump Q1	Enable PWM - output P1
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings
LPB	6600	1	Device address

SLAVE BOILER (2)

MENU	PARAMETER	VALUE	DESCRIPTION
Configuration	5710	Off	Disable Heating Circuit 1
Configuration	6085	Boiler pump Q1	Enable PWM - output P1
LPB	6600	2	Boiler Address
LPB	6640	Slave with remote setting	Setting of cascade boilers clock with Master boiler

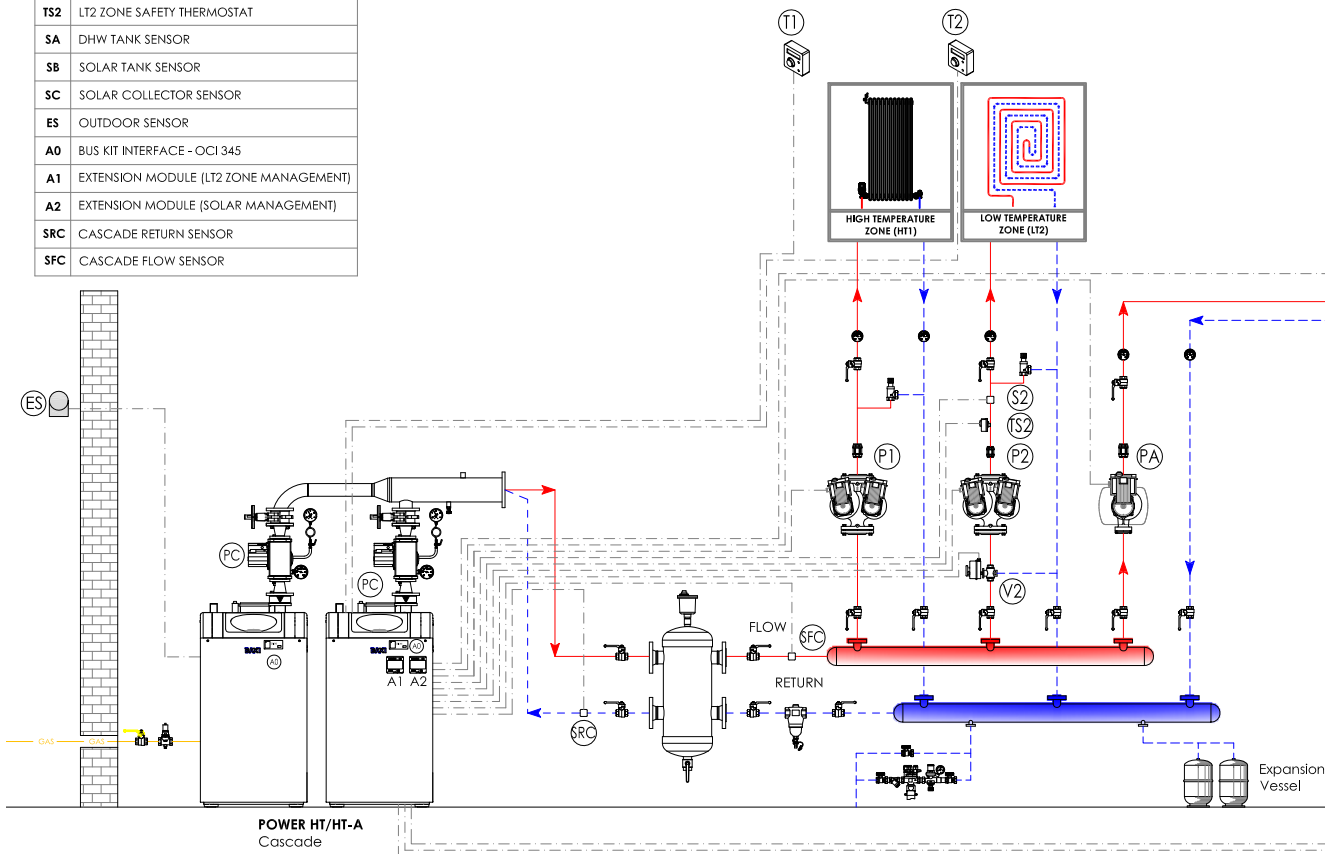
SLAVE BOILER (N)

MENU	PARAMETER	VALUE	DESCRIPTION
Configuration	5710	Off	Disable Heating Circuit 1
Configuration	6085	Boiler pump Q1	Enable PWM - output P1
LPB	6600	N	Boiler Address
LPB	6640	Slave with remote setting	Setting of cascade boilers clock with Master boiler

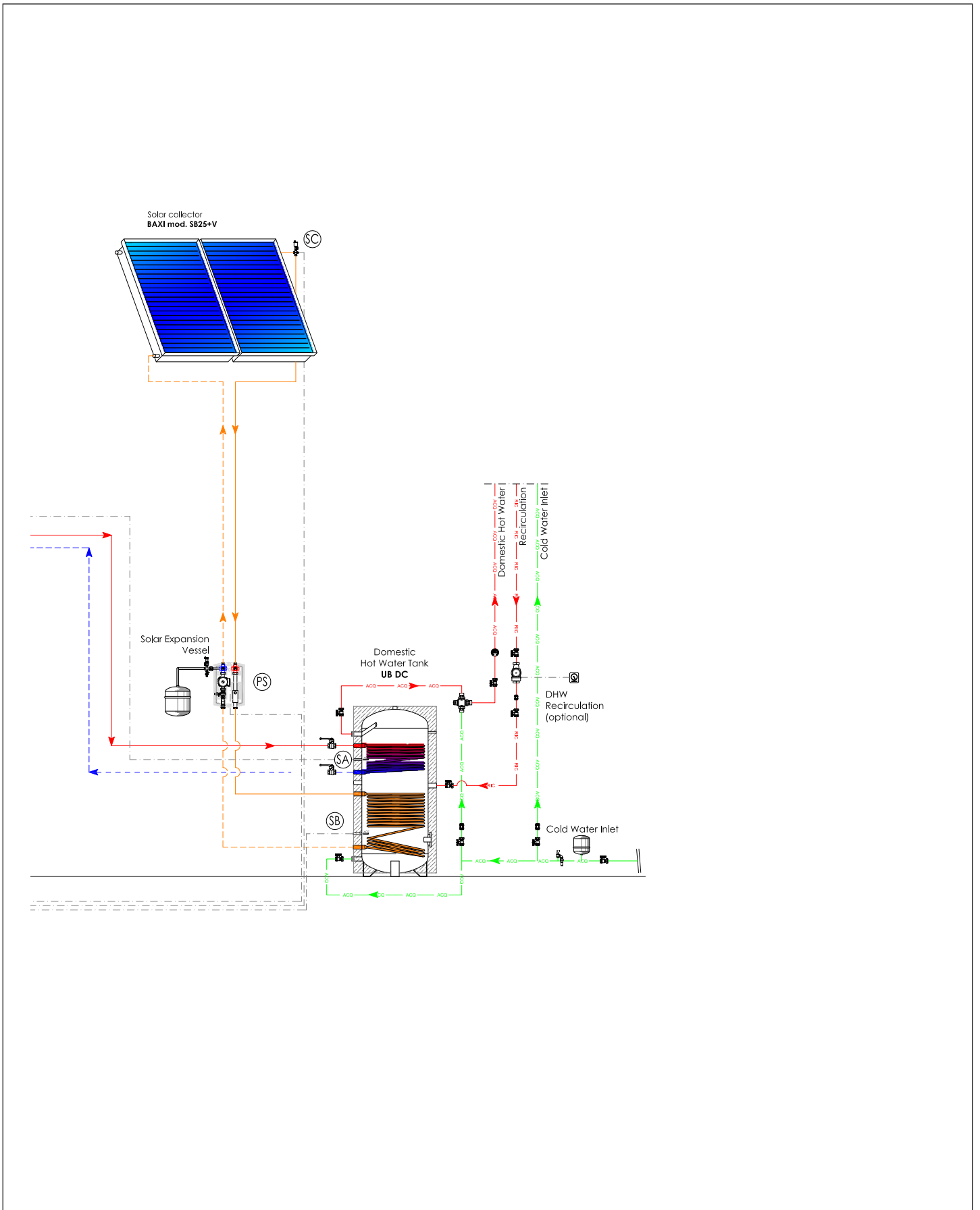
Installation scheme

Hydraulic and electrical scheme for control and regulation

LEGEND			
PA	DHW TANK PUMP	PC	BOILER PUMP
P1	DIRECT CIRCUIT PUMP (HT1)	P2	LT2 ZONE PUMP
PS	SOLAR PUMP		
T1	DIRECT CIRCUIT ROOM THERMOSTAT (HT1)		
T2	LT2 ZONE ROOM THERMOSTAT		
V2	LT2 ZONE MIXING VALVE		
S2	LT2 ZONE FLOW SENSOR		
TS2	LT2 ZONE SAFETY THERMOSTAT		
SA	DHW TANK SENSOR		
SB	SOLAR TANK SENSOR		
SC	SOLAR COLLECTOR SENSOR		
ES	OUTDOOR SENSOR		
A0	BUS KIT INTERFACE - OCI 345		
A1	EXTENSION MODULE (LT2 ZONE MANAGEMENT)		
A2	EXTENSION MODULE (SOLAR MANAGEMENT)		
SRC	CASCADE RETURN SENSOR		
SFC	CASCADE FLOW SENSOR		

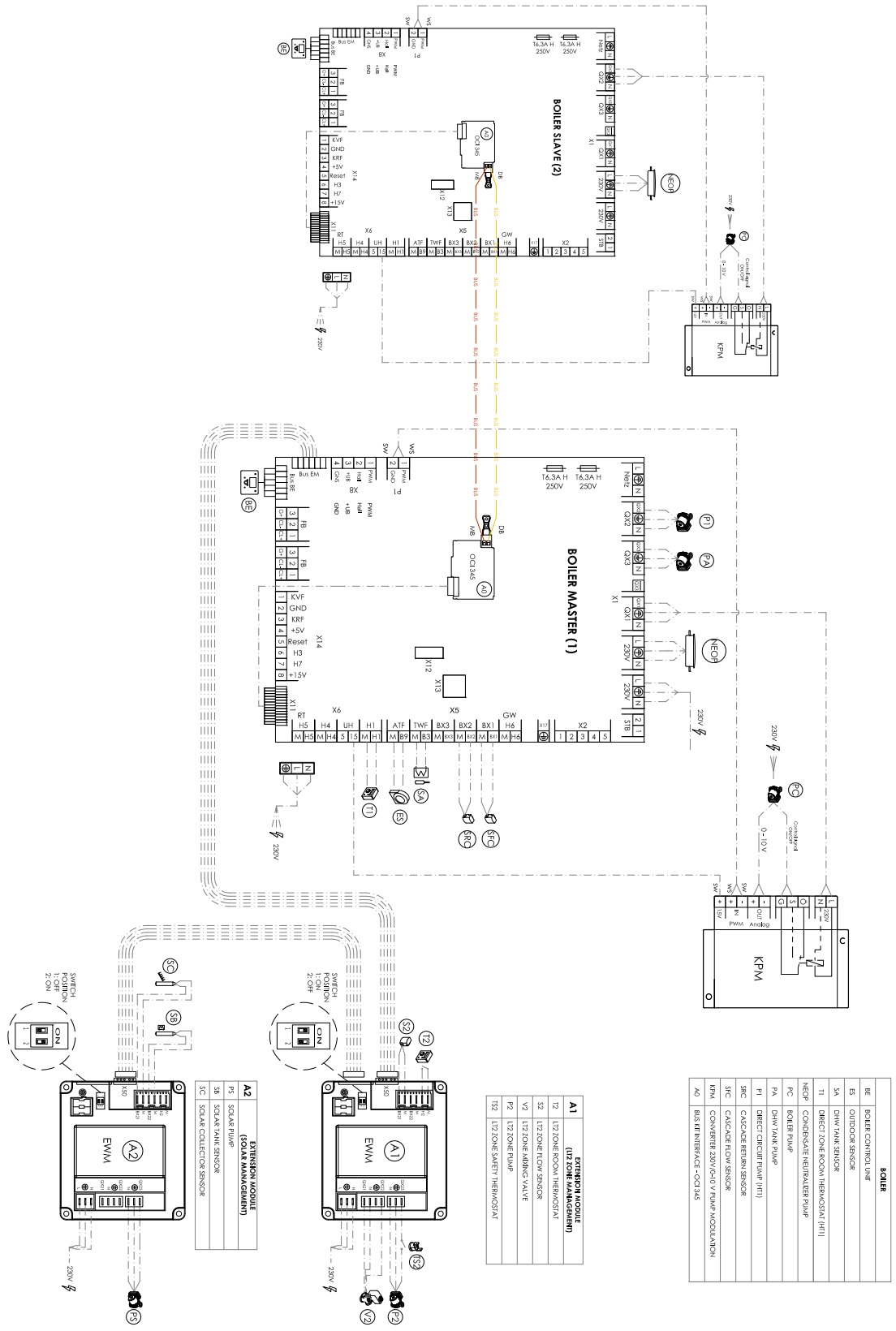


Power HT/HT-A Cascade - 1 High Temperature direct circuit (HT1) and 1 Low Temperature zone (LT2).
Domestic Hot Water tank with solar integration



Installation scheme

Electric scheme-connection



Power HT/HT-A Cascade - 1 High Temperature direct circuit (HT1) and 1 Low Temperature zone (LT2).
Domestic Hot Water tank with solar integration

Installation scheme

Power HT/HT-A Cascade - 1 High temperature direct circuit (HT1) - 1 Low temperature zone (LT2) - Domestic Hot Water tank with solar integration

Accessories

- N°1 INTERFACE KIT OCI 345 - for each boiler (7104408)
- N°1 KPM for Grundfos Magna modulating pump - for each boiler (LXO 00061010)
- N°3 CONTACT SENSORS - QAD36 (KHG 71407891)
- N°2 NTC SENSORS FOR STORAGE TANK (LSX 71000002)
- N°1 SOLAR COLLECTORS SENSOR Pt 1000 for AVS 75 (LNC 71000004)
- N°1 AVS 75 for solar system management (7213872)
- N°1 AVS 75 for mixed zone management (7213872)

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 X11 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 MASTER boiler in the connector BUS EM
- 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:

Direct circuit pump (P1)	QX2
DHW tank pump (PA)	QX3
Cascade flow sensor (SFC)	BX1
Cascade return sensor (SRC)	BX2
DHW tank sensor (SA)	TWF
Outdoor sensor (ES)	ATF
Direct circuit room thermostat (T1)	H1

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

Safety thermostat (TS2)	Series connection with P2
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

- Connect to the KPM of each boiler (MASTER and SLAVES) the following components:

Boiler PCB (QX1)	L - N
Boiler PCB (P1)	PWM IN
Boiler PCB (UH)	15 V
Boiler Pump (PC) Control signal ON/OFF	S - G
Boiler Pump (PC) 0-10V	Analog OUT

Parameters setting

MASTER BOILER (Default: Address 1)

MENU	PARAMETER	VALUE	DESCRIPTION
Configuration	5715	ON	Enable heating circuit 2
Configuration	5930	Common flow sensor B10	Cascade flow sensor on master boiler
Configuration	5931	Cascade return sensor B70	Cascade return sensor on master boiler
Configuration	5950	Room thermostat HC1	T1 of the heating circuit in input H1 of the boiler PCB
Configuration	6020	Heating circuit 2	Enable the extension module 1 for the mixed zone
Configuration	6021	Solar DHW	Enable the extension module 2 for the solar system
Configuration	6046	Room thermostat HC2	T2 of the heating circuit for the mixed zone
Configuration	6085	Boiler pump Q1	Enable PWM - output P1
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings
LPB	6600	1	Device address

SLAVE BOILER (2)

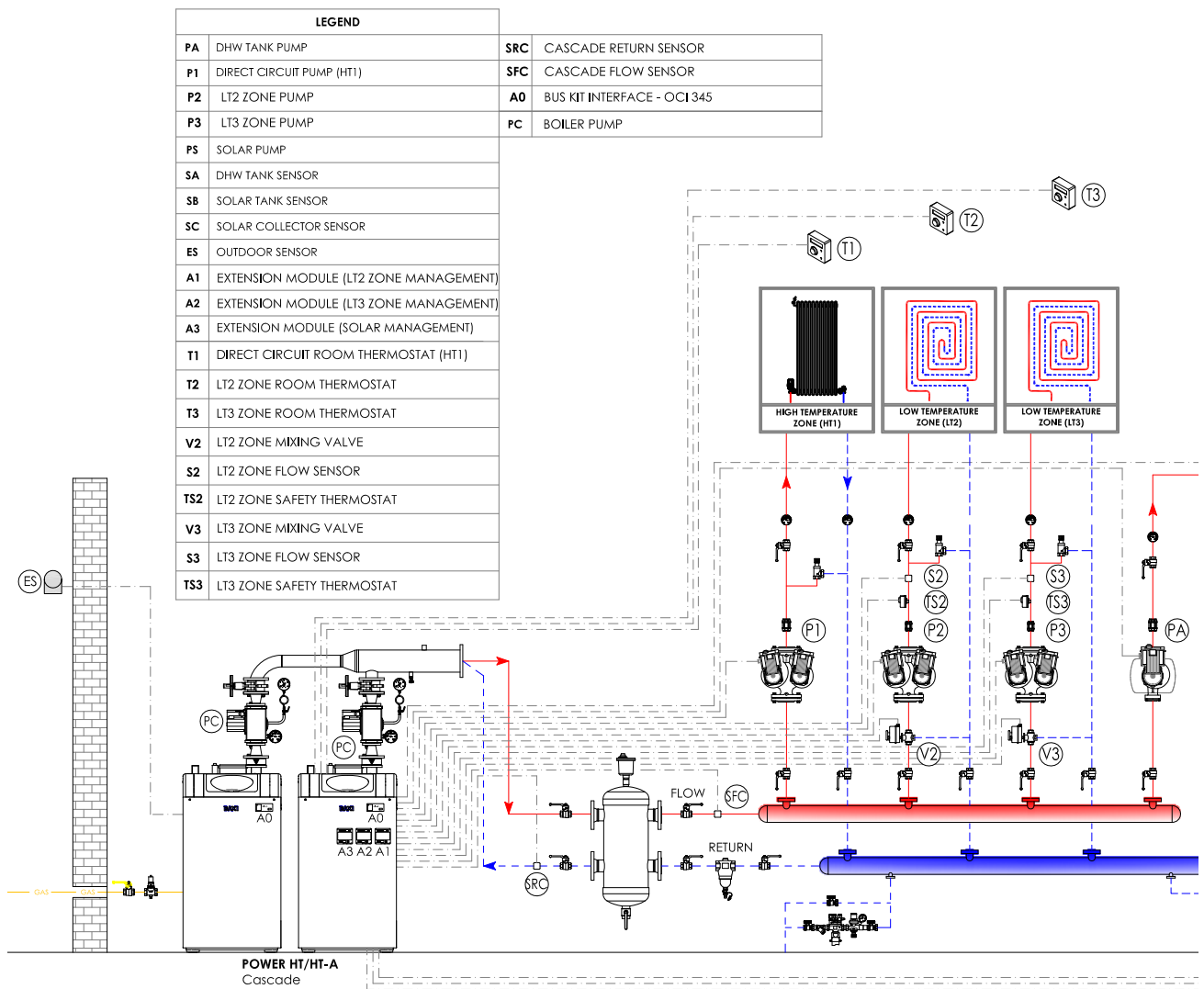
MENU	PARAMETER	VALUE	DESCRIPTION
Configuration	5710	Off	Disable Heating Circuit 1
Configuration	6085	Boiler pump Q1	Enable PWM - output P1
LPB	6600	2	Boiler Address
LPB	6640	Slave with remote setting	Setting of cascade boilers clock with Master boiler

SLAVE BOILER (N)

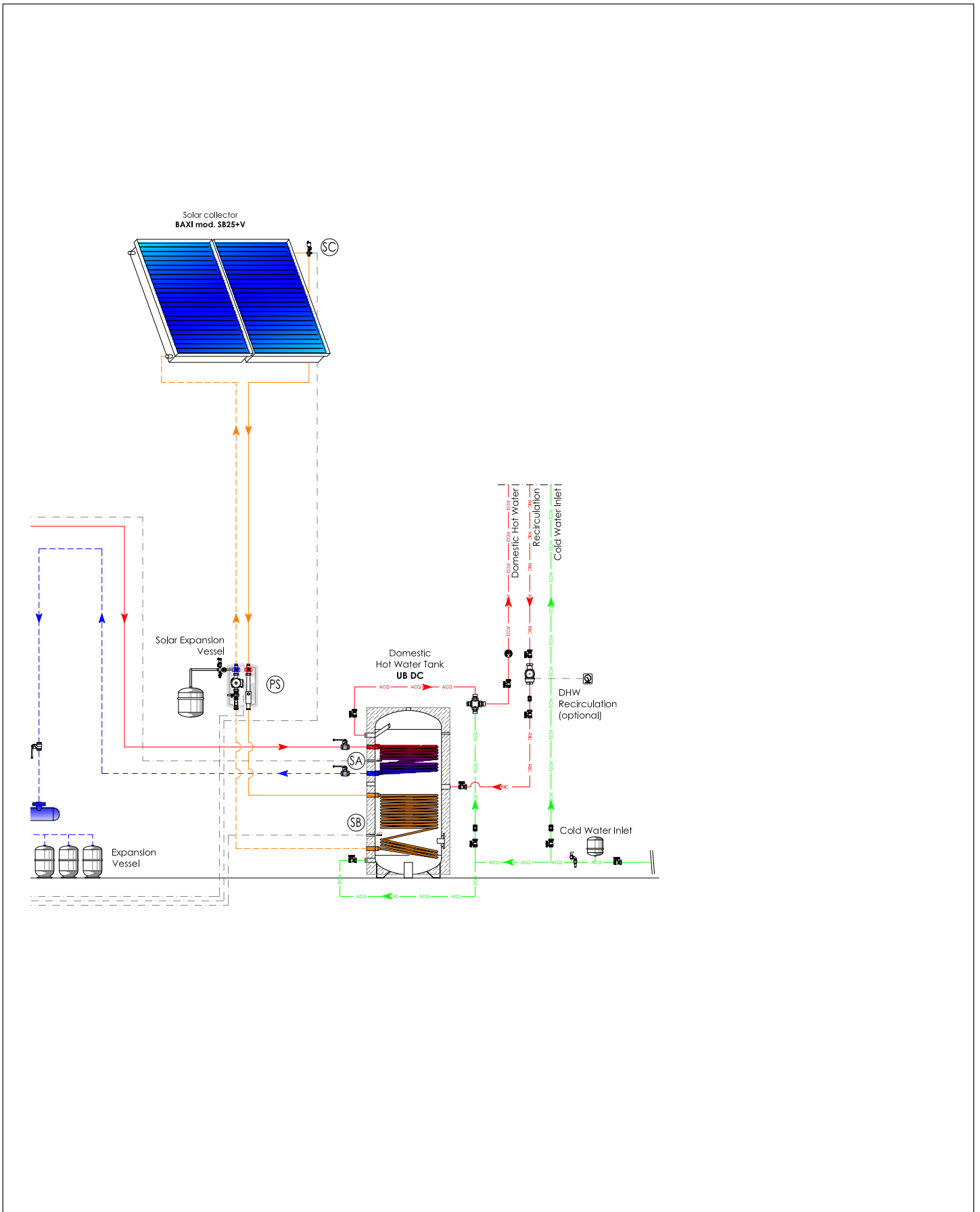
MENU	PARAMETER	VALUE	DESCRIPTION
Configuration	5710	Off	Disable Heating Circuit 1
Configuration	6085	Boiler pump Q1	Enable PWM - output P1
LPB	6600	N	Boiler Address
LPB	6640	Slave with remote setting	Setting of cascade boilers clock with Master boiler

Installation scheme

Hydraulic and electrical scheme for control and regulation

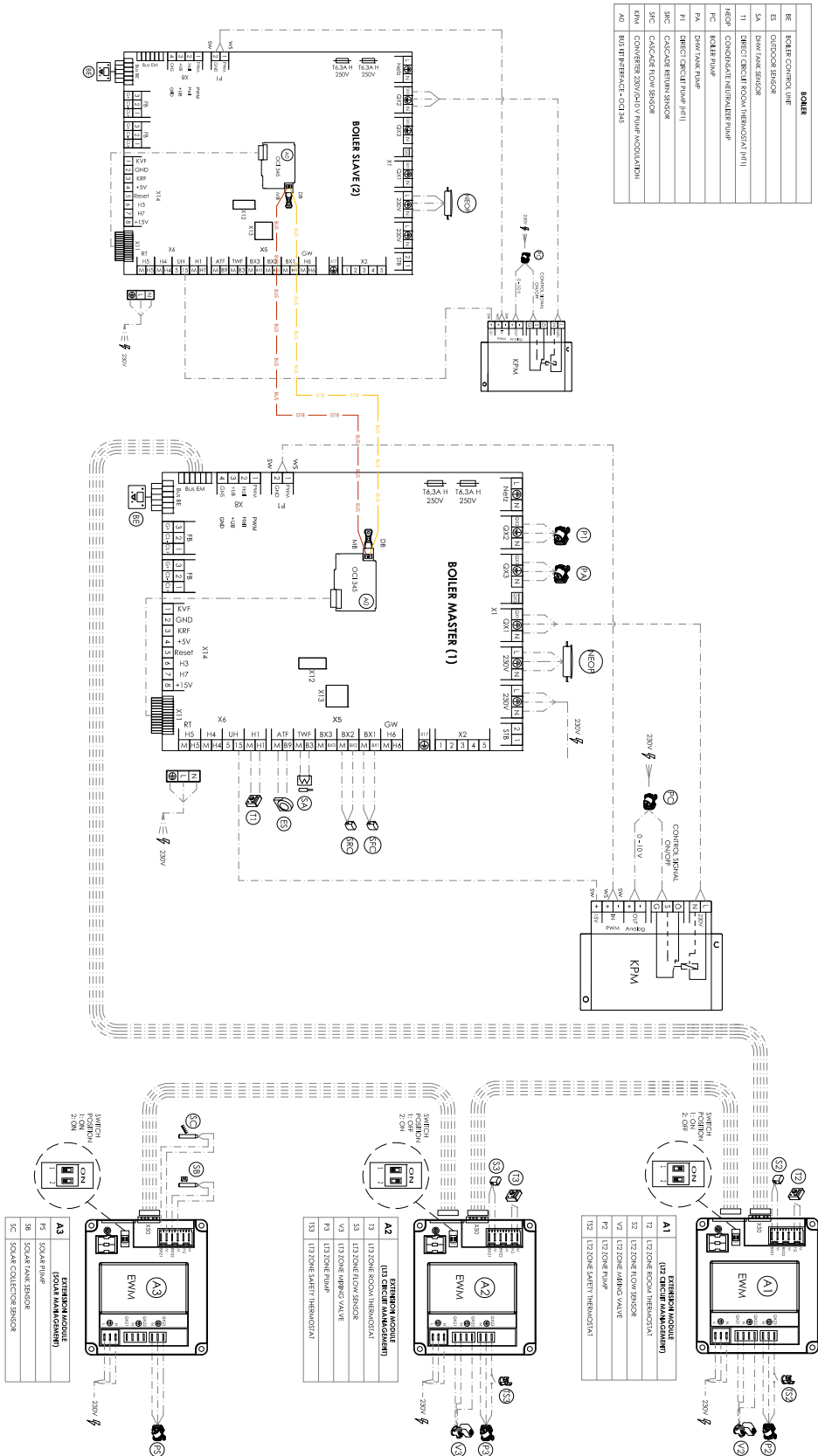


Power HT/HT-A Cascade - 1 High temperature direct circuit (HT1) - 2 Low Temperature zones (LT2 - LT3)
Domestic Hot Water tank with solar integration



Installation scheme

Electric scheme-connection



Power HT/HT-A Cascade - 1 High temperature direct circuit (HT1) - 2 Low Temperature zones (LT2 - LT3)
 Domestic Hot Water tank with solar integration

Installation scheme

Power HT/HT-A Cascade - 1 High temperature direct circuit (HT1) - 2 Low temperature zones (LT2 - LT3) - Domestic Hot Water tank with solar integration

Accessories

- N°1 INTERFACE KIT OCI 345 - for each boiler (7104408)
- N°1 KPM for Grundfos Magna modulating pump - for each boiler (LXO 00061010)
- N°4 CONTACT SENSORS - QAD36 (KHG 71407891)
- N°2 NTC SENSORS FOR STORAGE TANK (LSX 71000002)
- N°1 SOLAR COLLECTORS SENSOR Pt 1000 for AVS 75 (LNC 71000004)
- N°1 AVS 75 for solar system management (7213872)
- N°2 AVS 75 for mixed zone management (7213872)

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 X11 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 MASTER boiler in the connector BUS EM
- 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:

Direct circuit pump (P1)	QX2
DHW tank pump (PA)	QX3
Cascade flow sensor (SFC)	BX1
Cascade return sensor (SRC)	BX2
DHW tank sensor (SA)	TWF
Outdoor sensor (ES)	ATF
Direct circuit room thermostat (T1)	H1

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

Safety thermostat (TS2)	Series connection with P2
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)	Series connection with P3
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

- Connect to the KPM of each boiler (MASTER and SLAVES) the following components:

Boiler PCB (QX1)	L - N
Boiler PCB (P1)	PWM IN
Boiler PCB (UH)	15 V
Boiler Pump (PC) Control signal ON/OFF	S - G
Boiler Pump (PC) 0-10V	Analog OUT

Parameters setting

MASTER BOILER (Default: Address 1)

MENU	PARAMETER	VALUE	DESCRIPTION
Configuration	5715	On	Enable heating circuit 2
Configuration	5721	On	Enable heating circuit 3
Configuration	5930	Common flow sensor B10	Cascade flow sensor on master boiler
Configuration	5931	Cascade return sensor B70	Cascade return sensor on master boiler
Configuration	5950	Room thermostat HC1	T1 of the heating circuit in input H1 of the boiler PCB
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	Solar DHW	Enable the extension module 3 for the solar system
Configuration	6046	Room thermostat HC2	T2 of the heating circuit for the mixed zone
Configuration	6054	Room thermostat HC3	T3 of the heating circuit for the mixed zone
Configuration	6085	Boiler pump Q1	Enable PWM - output P1
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings
LPB	6600	1	Device address

SLAVE BOILER (2)

MENU	PARAMETER	VALUE	DESCRIPTION
Configuration	5710	Off	Disable Heating Circuit 1
Configuration	6085	Boiler pump Q1	Enable PWM - output P1
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
Configuration	6085	Boiler pump Q1	Enable PWM - output P1
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

36061 BASSANO DEL GRAPPA (VI) - ITALY
Via Trozzetti, 20
marketing@baxi.it
www.baxi.it

The Company assumes no responsibility for any possible contents mistakes, and reserves the right to make changes in products, due to technical or commercial demands, at any time without notice.

Baxi S.p.A. 03-19 G