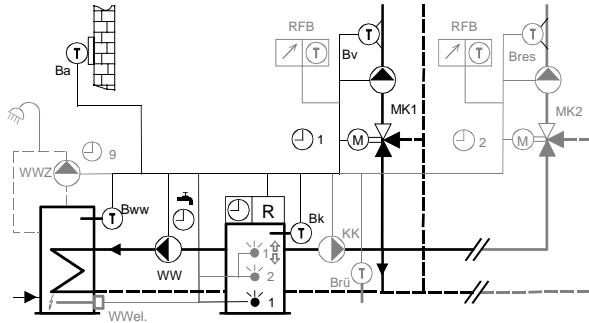# Applications

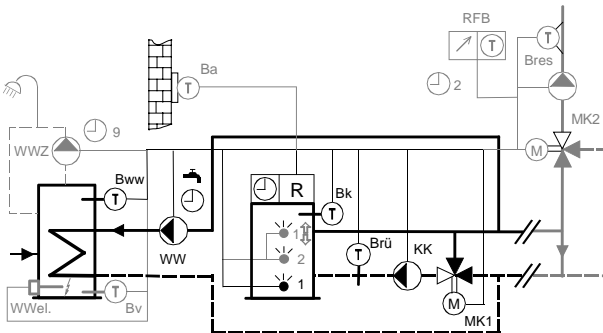## 3x3_001 : Heat generator single stage

Controller **RDO353A**

Heat generator 1 stage
without buffer storage
1 mix-heating circuit
DHW charge with charging pump

Options:
dual stage or modulating heat generator
DHW circulating pump
Electrical DHW charger

Controller **RDO383A**

2 mix-heating circuits

3x3_002 : Heat generator single stage with fixed value control
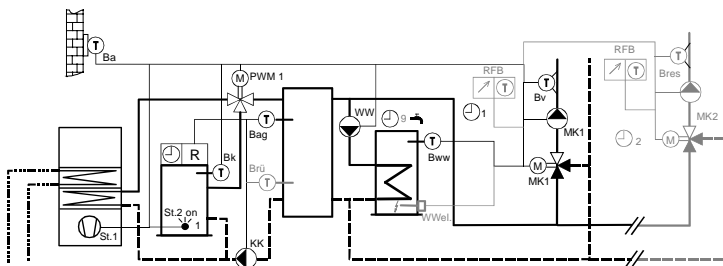
Controller **RDO353A**

Heat generator single stage
without buffer storage
1 mix-heating circuit
DHW charge with charging pump
fixed value control with return control

Options:
dual stage or modulating heat generator
DHW circulating pump
Electrical DHW charger

Controller **RDO383A**

2 mix-heating circuits

3x3_003 : Heat generator single stage mixed with heating pump
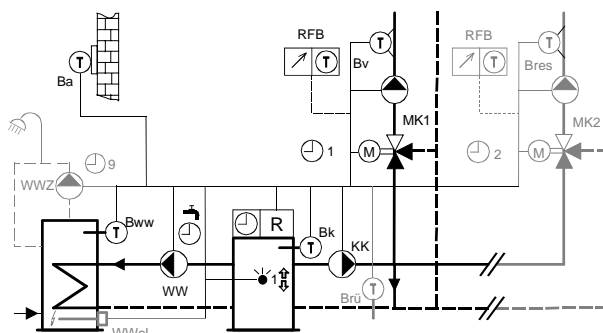
Controller **RDO353A**

Heat generator 1 stage mixed with heating pump
with buffer storage
1 mix-heating circuit
DHW charge with charging pump

Options:
2 temperature sensors in buffer storage
DHW circulating pump
Electrical DHW charger

Controller **RDO383A**

2 mix-heating circuits

3x3_004 : Modulating heat generator 0 – 10V (burner)

Controller **RDO353A**

Modulating heat generator 0 – 10V (burner)
without buffer storage
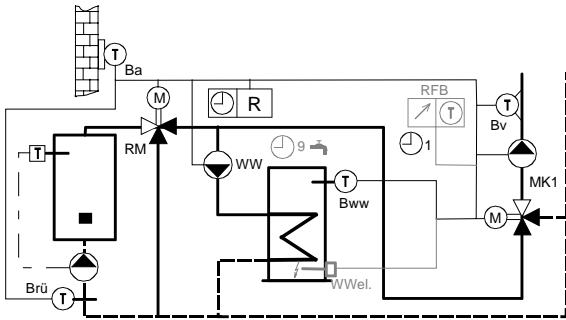1 mix-heating circuit
DHW charge with charging pump

Options:
return temperature sensor
Electrical DHW charger

Controller **RDO383A**

2 mix-heating circuits

3x3_010 :   Return control for wood boiler

Controller **RDO353A**

Return control for wood boiler
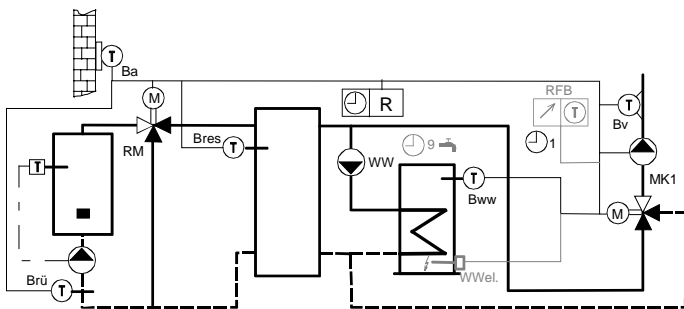without buffer storage
1 mix-heating circuit
DHW charge with charging pump

Options:
DHW circulating pump
Electrical DHW charger

Controller **RDO383A**

2 mix-heating circuits

3x3_011 :   Return control for wood boiler

Controller **RDO353A**

Return control for wood boiler
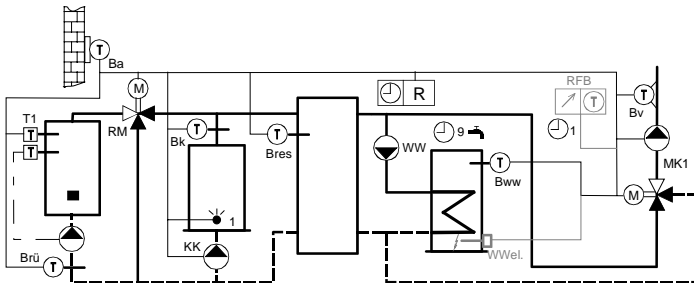with buffer storage
1 mix-heating circuit
DHW charge with charging pump

Options:
Electrical DHW charger

Controller **RDO383A**

2 mix-heating circuits

3x3_012 :   Return control for wood boiler and burner

Controller **RDO353A**

Return control for wood boiler
Heat generator 1 stage
with buffer storage
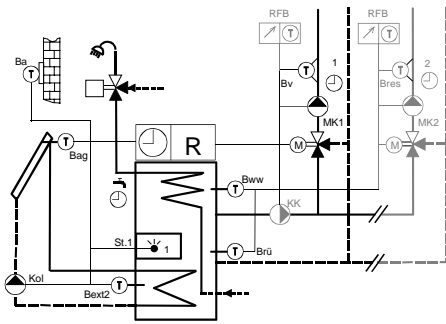1 mix-heating circuit
DHW charge with charging pump

Options:
Electrical DHW charger

Controller **RDO383A**

2 mix-heating circuits

3x3_020 :   Solar collector with burner in buffer storage
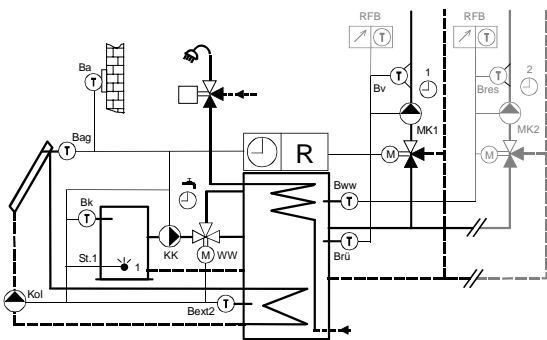

Controller **RDO353A**
Heat generator single stage in buffer storage
Buffer storage with integrated DHW storage
1 mix-heating circuit
solar collector

Options:
speed controlled solar collector pump

Controller **RDO383A**

2 mix-heating circuits

3x3_021 :   Solar collector and heat generator single stage
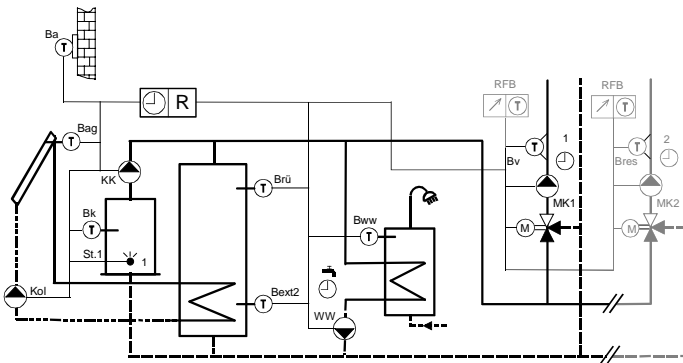

Controller **RDO353A**
Heat generator single stage with heating circuit pump
2 temperature sensors in buffer storage
1 mix-heating circuit
Solar collector
DHW charge with diverting valve after boiler

Options:
speed controlled solar collector pump

Controller **RDO383A**

2 mix-heating circuits

3x3_022 :   Solar collector and heat generator single stage
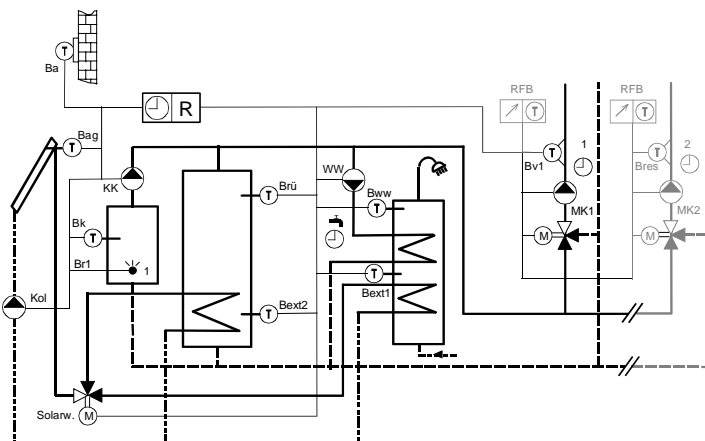

Controller **RDO353A**
Heat generator single stage with heating circuit pump
2 temperature sensors in buffer storage
1 mix-heating circuit
Solar collector
DHW storage with 1 temperature sensor
DHW charging pump from buffer storage

Options:
speed controlled solar collector pump

Controller **RDO383A**

2 mix-heating circuits

3x3_023 :   Solar collector with deviation between 2 buffer storages and heat generator single stage

Controller **RDO353A**
Heat generator single stage with heating circuit pump
2 temperature sensors in buffer storage
1 mix-heating circuit
Solar collector
DHW storage with 2 temperature sensors
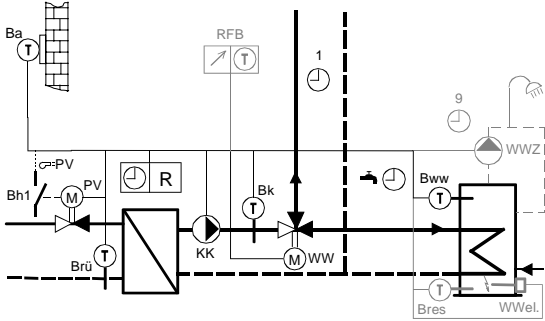DHW charging pump from buffer storage

Options:
speed controlled solar collector pump

Controller **RDO383A**

2 mix-heating circuits

3x3_030 :   District heating with 1 heat exchanger
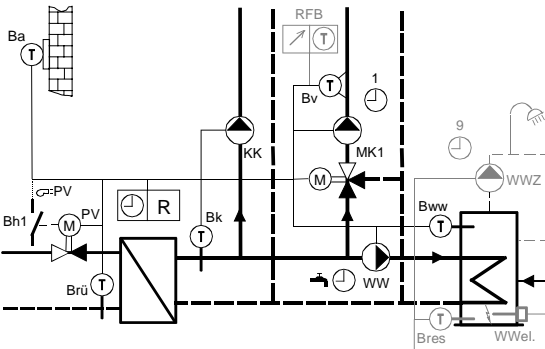

Controller **RDO353A**
District heating with 1 heat exchanger
direct heating circuit
DHW charge with diverting valve

Options:
DHW circulating pump
electrical DHW charger
2 sensors in DHW buffer storage

Controller **RDO383A**
Additional mix-heating circuit

3x3_031 :   District heating with 1 heat exchanger
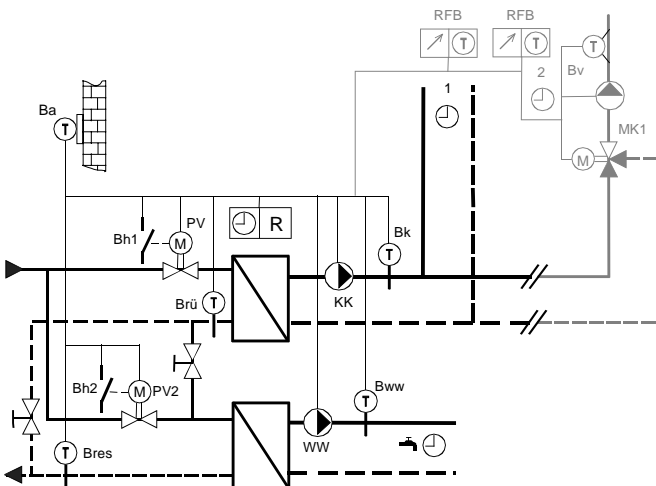

Controller **RDO353A**
District heating with 1 heat exchanger
direct and mix-heating circuit for same zone
DHW charge with charging pump

Options:
DHW circulating pump
electrical DHW charger

Controller **RDO383A**
Additional mix-heating circuit

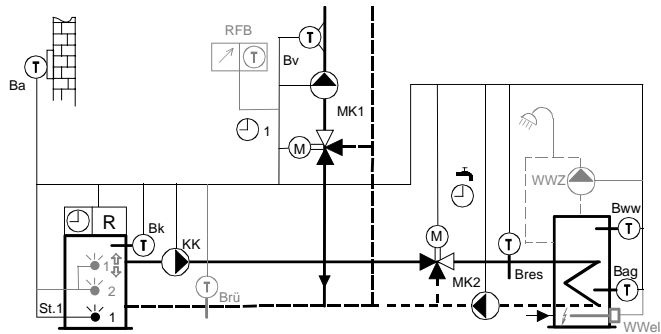## 3x3_032 :   District heating with 2 heat exchanger

Controller **RDO383A**
District heating with 2 heat exchanger
direct heating circuit with first heat exchanger
DHW charge with second heat exchanger

Options:
Additional mix-heating circuit

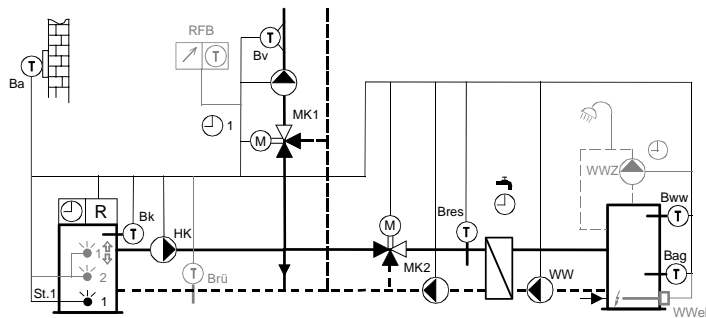## 3x3_040 : DHW charging with mixing valve to DHW storage

Controller **RDO383A**

Heat generator single stage
1 mix-heating circuit
DHW charging with mixing valve to DHW storage

Options:
dual stage or modulating heat generator
return temperature sensor
DHW circulating pump
Electrical DHW charger

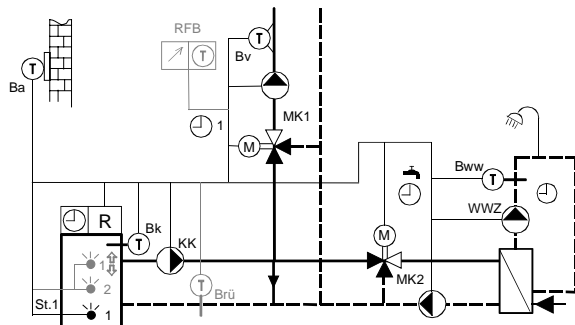## 3x3_041 : DHW charging with mixing valve primary and DHW pump secondary

Controller **RDO383A**

Heat generator single stage
1 mix-heating circuit
DHW charging with mixing valve primary and DHW
pump secondary

Options:
dual stage or modulating heat generator
return temperature sensor
DHW circulating pump
Electrical DHW charger

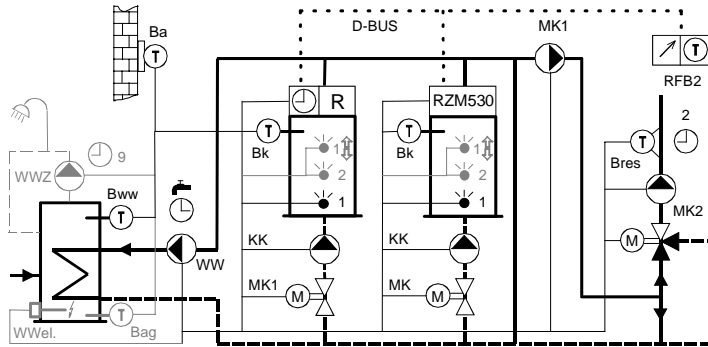## 3x3_042 : DHW charging with mixing valve and heat exchanger

Controller **RDO383A**

Heat generator single stage
1 mix-heating circuit
DHW charging with mixing valve and heat exchanger

Options:
dual stage or modulating heat generator
return temperature sensor

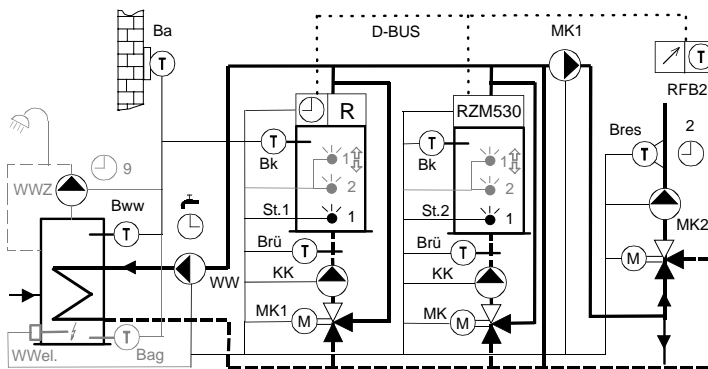## 3x3_050 : Boiler cascade: 2 boilers with shut-off valve for each boiler

Controller **RDO383A**
Boiler cascade: 2 boilers with shut-off valve for each boiler
Boilers single stage
1 mix-heating circuit
DHW charge with charging pump

Options:
dual stage or modulating heat generator
2 sensors in DHW buffer storage
DHW circulating pump
Electrical DHW charger

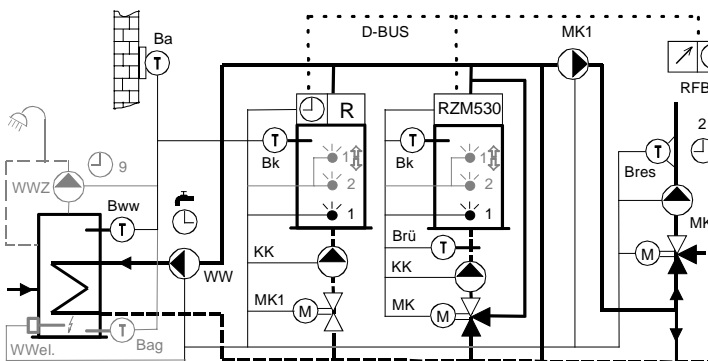## 3x3_051 : Boiler cascade: 2 boilers with return control for each boiler

Controller **RDO383A**
Boiler cascade: 2 boilers with return control valve for
each boiler
Boilers single stage
1 mix-heating circuit
DHW charge with charging pump

Options:
dual stage or modulating heat generator
2 sensors in DHW buffer storage
DHW circulating pump
Electrical DHW charger

3x3_052 : Boiler cascade: boiler 1 with shut-off valve, boiler 2 with return control

Controller **RDO383A**
Boiler cascade: boiler 1 with shut-off valve, boiler 2 with
return control
Boilers single stage
1 mix-heating circuit
DHW charge with charging pump

Options:
dual stage or modulating heat generator
2 sensors in DHW buffer storage
DHW circulating pump
Electrical DHW charger