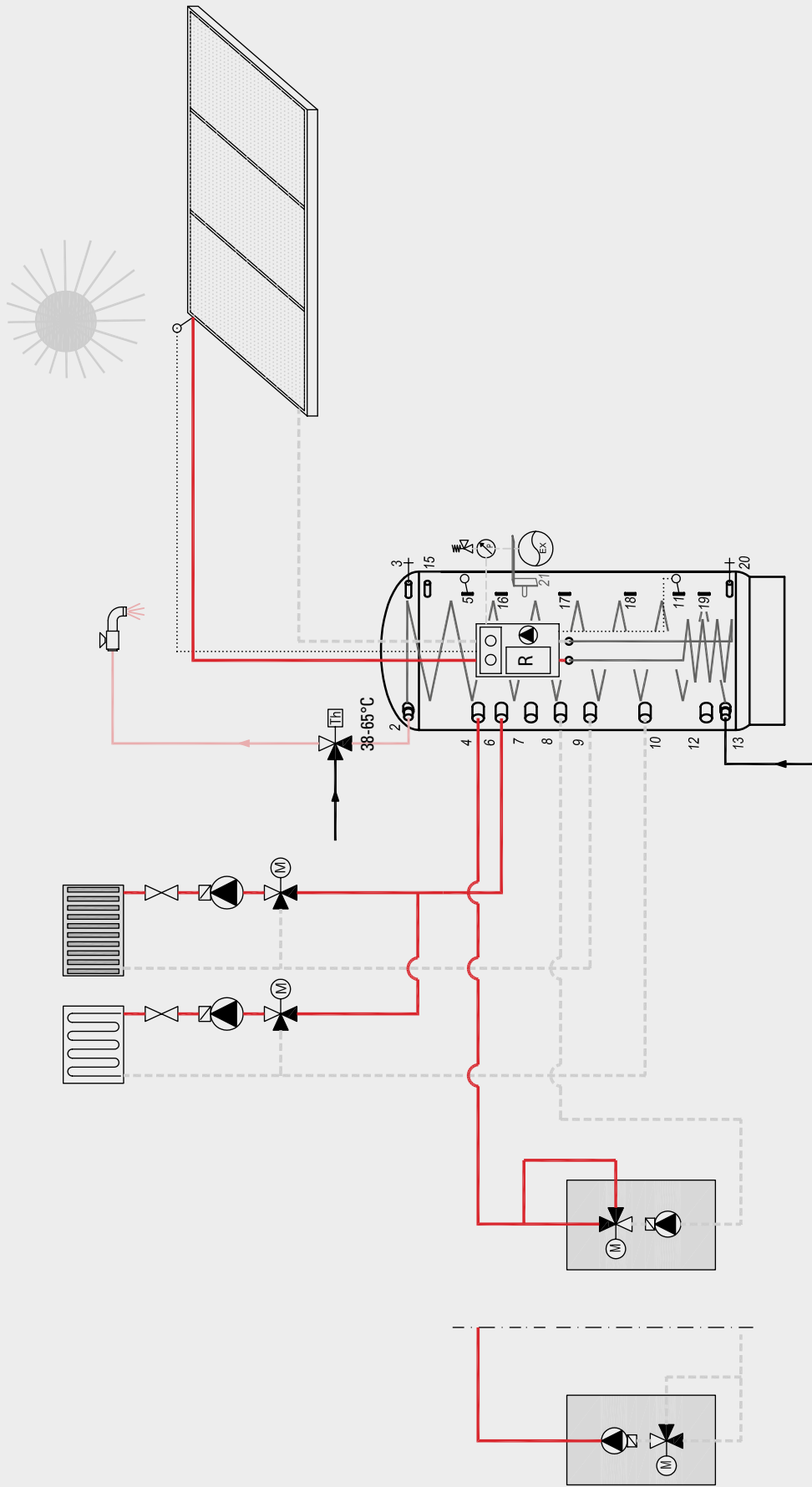


FS/1R FRESH WATER TANK



DIAGRAM 4



TiSUN hydraulic schematic:
Solar system with FS/1R fresh water tank combined with a condensing system

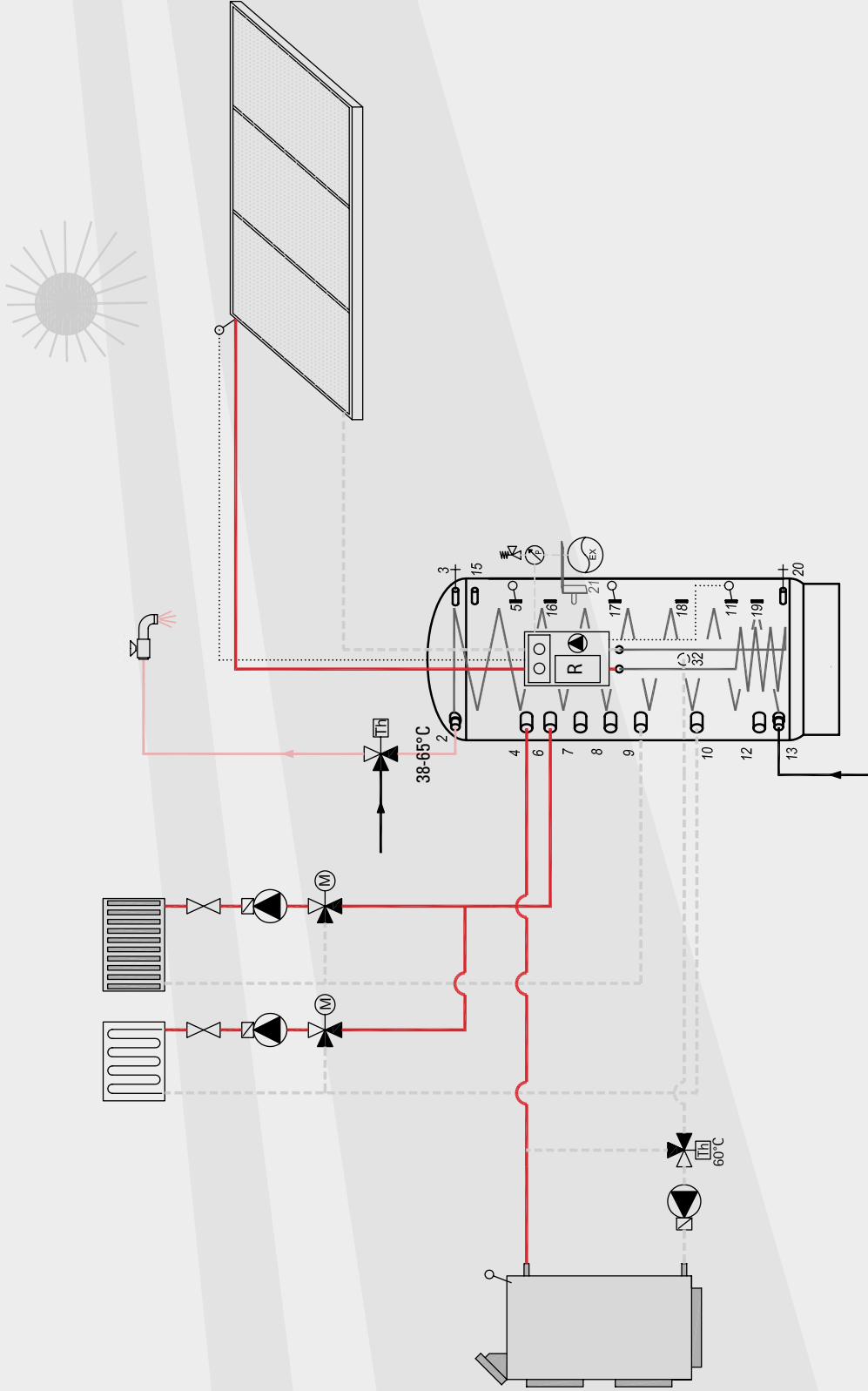
- Heating forward flow/Solar VL
- Heating return flow/Solar RL
- Control
- Hot water
- Cold water
- Circulation
- . - . - Corrugated connection pipe
- Check flap
- Circulation pump
- Pressure relief valve
- Thermometer, pressure gauge
- Priority flap
- Sensor
- Blocking valve
- Three-way control valve/mixing valve
- Domestic hot water mixing valve
- Control unit

Note: This TiSUN hydraulic schematic is an example and by no means replaces a specific, professional system planning!

FS/1R FRESH WATER TANK

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DIAGRAM 5



TISUN hydraulic schematic:
Solar system with FS/1R fresh water tank combined with a solid fuel boiler

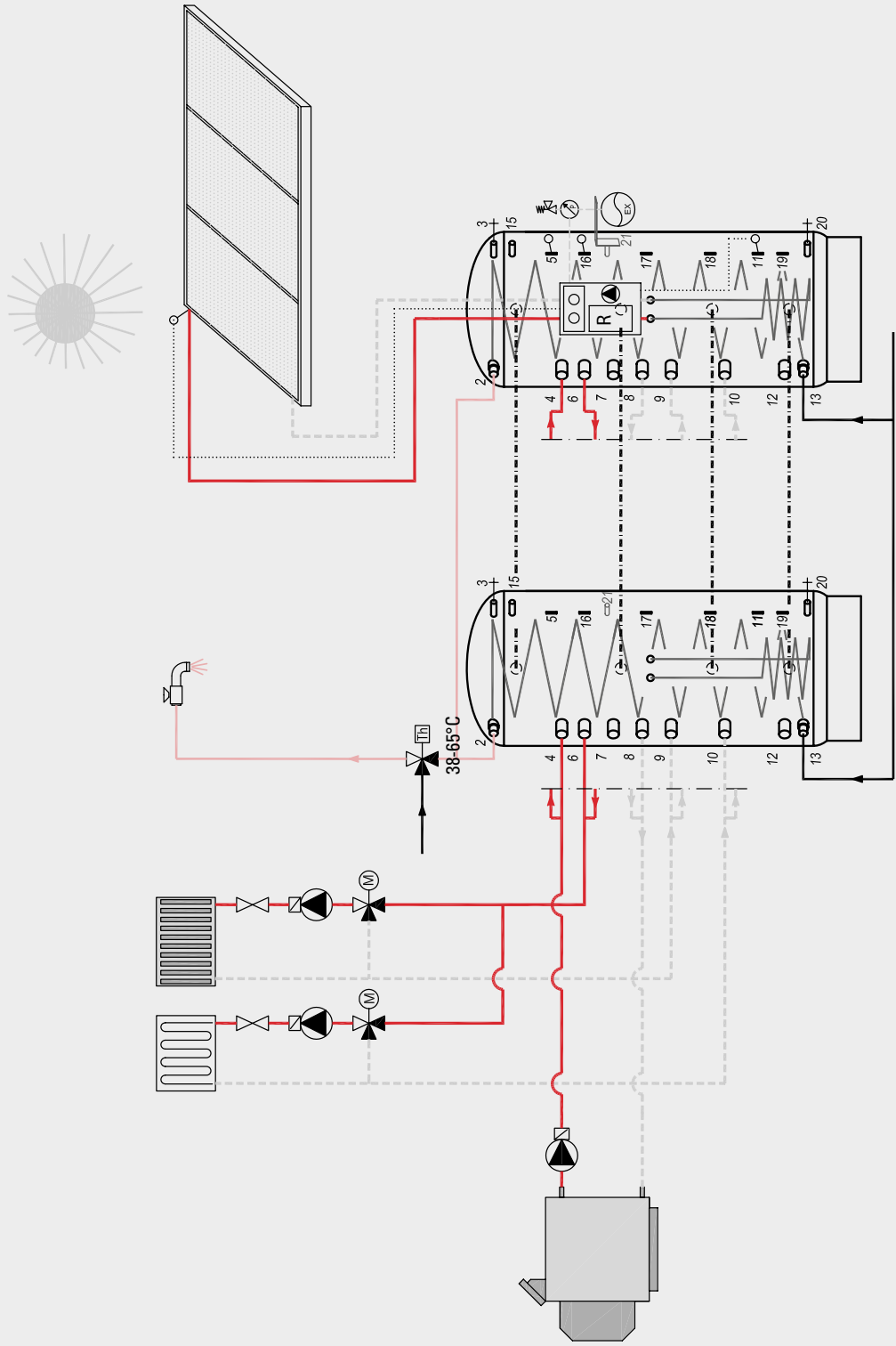
- | | | | |
|--|-------------------------------|--|--------------------------------------|
| | Heating forward flow/Solar VL | | Sensor |
| | Heating return flow/Solar RL | | Blocking valve |
| | Control | | Three-way control valve/mixing valve |
| | Hot water | | Domestic hot water mixing valve |
| | Cold water | | Control unit |
| | Circulation | | Check flap |
| | Corrugated connection pipe | | Circulation pump |
| | | | Pressure relief valve |
| | | | Thermometer, pressure gauge |
| | | | Priority flap |

Note: This TISUN hydraulic schematic is an example and by no means replaces a specific, professional system planning!

FS/1R FRESH WATER TANK



DIAGRAM 6



TiSUN hydraulic schematic:
Solar system with FS/1R fresh water tank combined with a solid fuel boiler

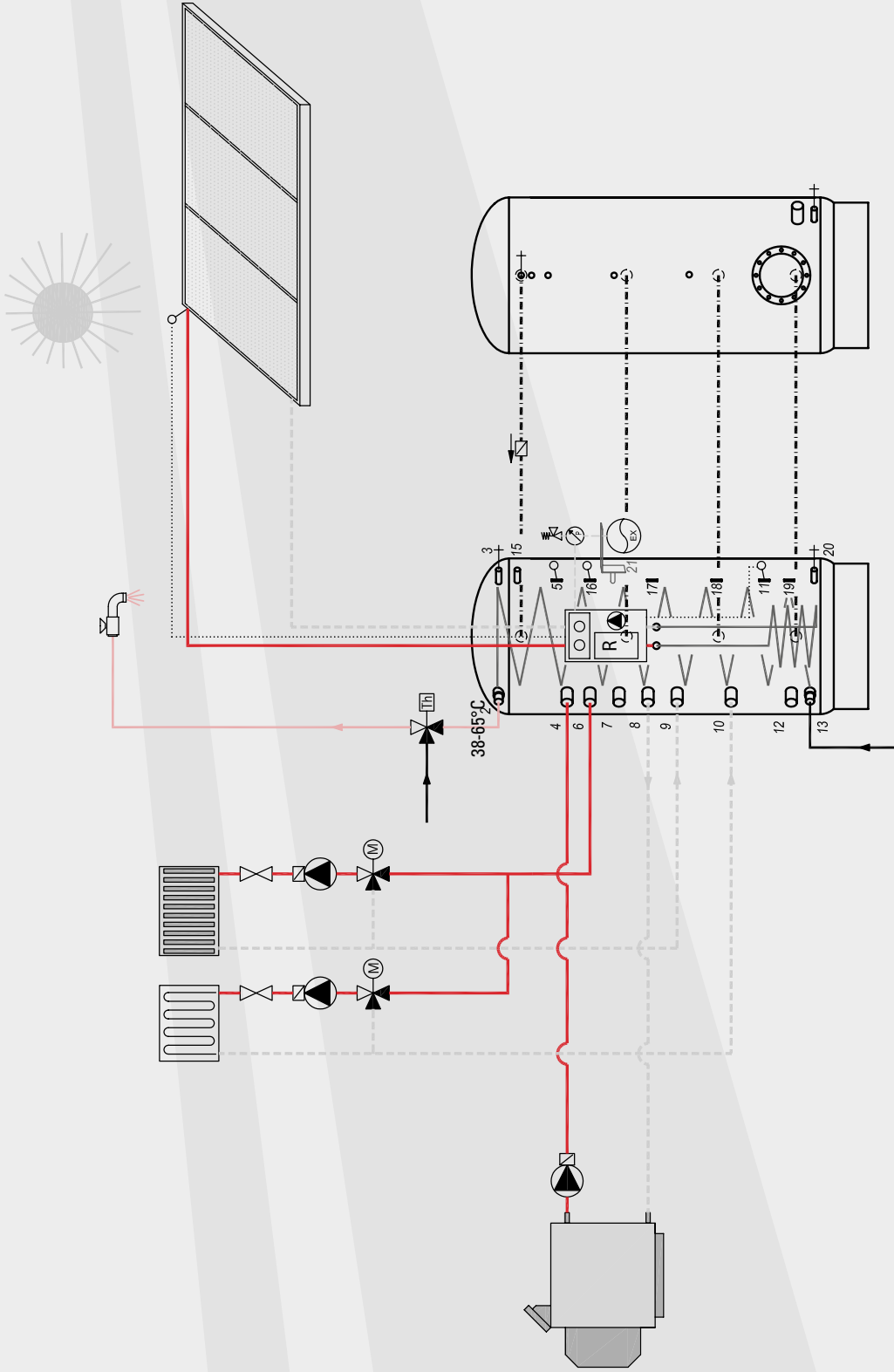
- Heating forward flow/Solar VL
- Heating return flow/Solar RL
- Control
- Hot water
- Cold water
- Circulation
- - - Corrugated connection pipe
- Check flap
- Circulation pump
- Pressure relief valve
- Thermometer, pressure gauge
- Priority flap
- Sensor
- Blocking valve
- Three-way control valve/mixing valve
- Domestic hot water mixing valve
- Control unit

Note: This TiSUN hydraulic schematic is an example and by no means replaces a specific, professional system planning!

FS/1R FRESH WATER TANK

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DIAGRAM 7



TISUN hydraulic schematic:
Solar system with FS/1R fresh water tank and one PS backup tank connected in parallel combined with a gas/oil/pellet boiler

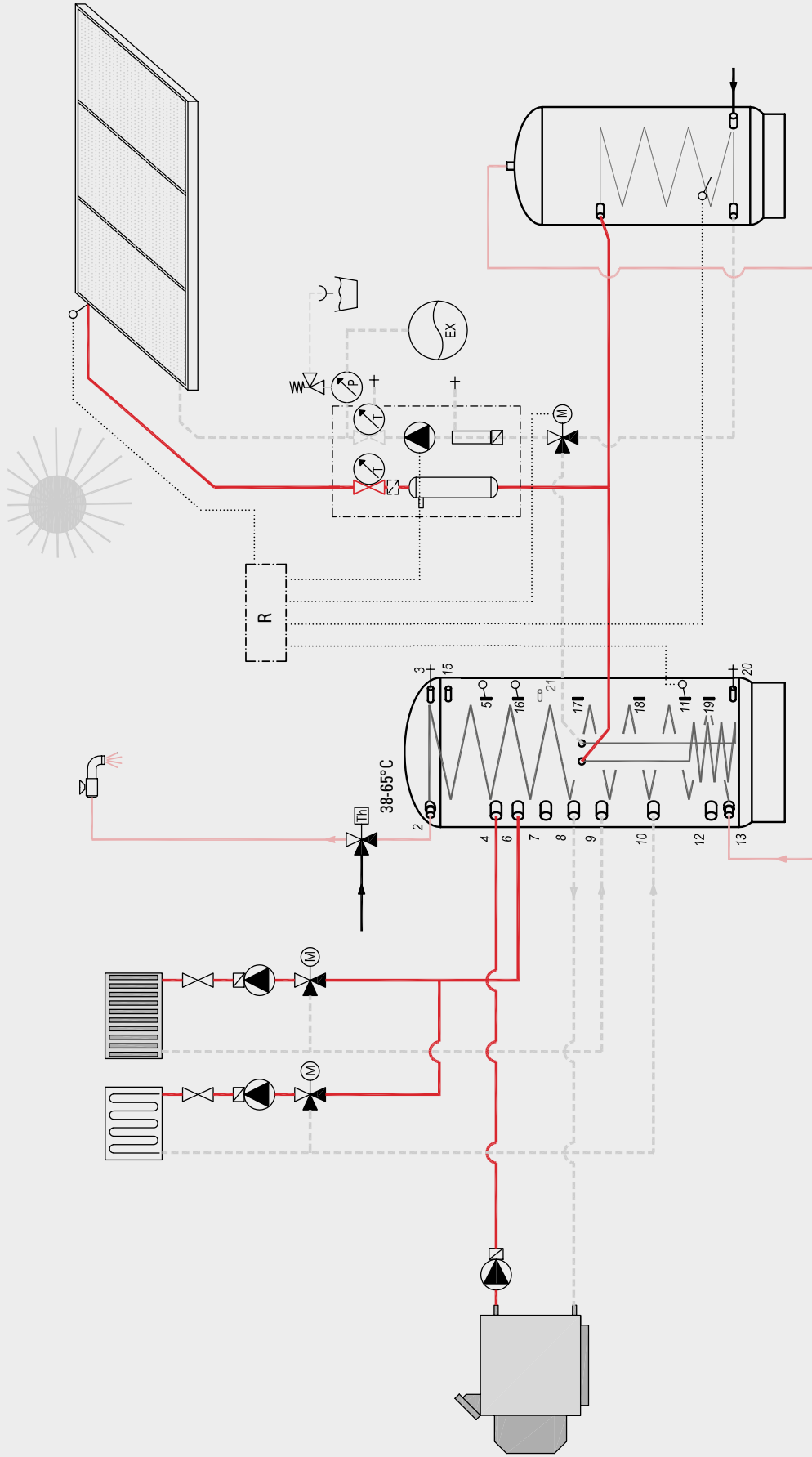
- Heating forward flow/Solar VL
- Heating return flow/Solar RL
- Control
- Hot water
- Cold water
- Circulation
- - - Corrugated connection pipe
- ☐ Check flap
- ☉ Circulation pump
- ☹ Pressure relief valve
- ☉ Thermometer, pressure gauge
- ☐ Priority flap
- Sensor
- ☒ Blocking valve
- ☉ Three-way control valve/mixing valve
- ☒ Domestic hot water mixing valve
- R Control unit

Note: This TISUN hydraulic schematic is an example and by no means replaces a specific, professional system planning!

FS/1R FRESH WATER TANK



DIAGRAM 8



TiSUN hydraulic schematic:
Solar system with FS/1R fresh water tank and an (existing) hot water tank connected in series combined with a gas/oil/pellet boiler

- Heating forward flow/Solar VL
- Heating return flow/Solar RL
- Control
- Hot water
- Cold water
- Circulation
- Corrugated connection pipe
- Check flap
- Circulation pump
- Pressure relief valve
- Thermometer, pressure gauge 38°-65°C
- Priority flap
- Sensor
- Blocking valve
- Three-way control valve/mixing valve
- Domestic hot water mixing valve
- Control unit

Note: This TiSUN hydraulic schematic is an example and by no means replaces a specific, professional system planning!