

PROTECTION AGAINST BOILER CORROSION AND FOULING

Insulated Load and Heating Combi Units with integrated controller



CSE TSV MIX TRS6 K

Load Unit with integrated controller for solid-fuel (biomass) boiler and heating system with thermal store

CSE TSV MIX load unit is intended for heating systems with a solid fuel boiler with a thermal store and DHW heating. Water for heating system is mixed by an electric actuated 3-way load valve, return water temperature to boiler is kept at the min. temperature of 55° by the load valve. Boiler heat surplus is stored into a thermal store and used later automatically after the boiler goes out.

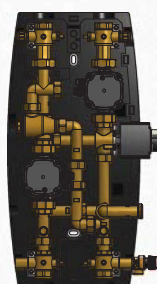
The integrated controller controls the entire system, permitting to choose from several hydraulic variants. The load unit comes completely internally wired and fitted with a power cable with el. plug. The system can be controlled from a room unit (shall be ordered separately).

Technical Data

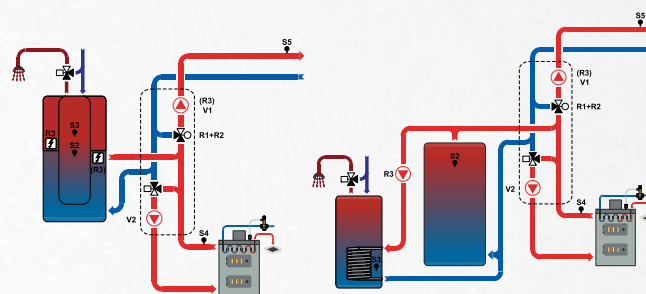
CONNECTIONS	1" F
FLUID WORKING TEMPERATURE	5 - 95 °C
NOMINAL INLET TEMPERATURE TO BOILER	55 °C
SAFETY VALVE OPENING PRESSURE	3 bar
POWER SUPPLY	230 V, 50 Hz
PIPE DISTANCE	125 mm
DIMENSIONS	640 x 250 x 350 mm

Components

- Heating system circulation pump
- Boiler pump
- TSV3B load valve
- 3-way mixing valve for heating system
- Mixing valve actuator
- TRS6 K controller
- Power cable with plug and complete electric wiring for the entire load unit
- 2 ball valves + 2 drain valves, to close and drain heating system
- 2 shutoff ball valves, for boiler
- 4 thermometers



Connection in a system



Accessories

- Room temperature sensor
Code: 16167
- Room unit, knob adjustable temperature
Code: 9788
- Digital room unit with touchscreen
Code: 17150

Versions

Pump	Grundfos UPM3 25-75	Wilo Para 25/8 iPWM1
Pump speed control	manual or PWM	PWM + flow rate info
Max. head	7.5 m	8.5 m
Max. boiler output	38 kW	40 kW
Code	17497	17499

Possible variants upon order:

- connections: 3/4", 5/4", Cu22, Cu28.
- return water temperature: 45, 50, 60, 65 and 70 °C
- safety valve in the range 1.5-6 bar