DATA SHEET

CSE2 TMV F R8 1F Pump Station

Main Features	
Application	Provides flow through the heating system, mixing to the outlet temperature using a manually adjustable thermostatic mixing valve with a range of 25–45 °C. The pump station includes a filter with magnet, so it is also suitable for older steel pipe systems. It can be easily mounted on a wall or on a manifold for multiple heating circuits. The pump station is especially suitable for heating circuits with underfloor, ceiling or wall heating.
Description	It consists of a RPA 25-8 pump, TV MIX anti-scald valve, filter with magnet, check valve, ball valves w. sensor sheath, insulation.
Working fluid	Water, antifreeze heat-transfer fluid for heating systems.
Installation	Vertically on a wall or manifold (125 mm pitch).
Code	**21417**

Pump Station Data	
Fluid working temperature	5–95 °C
Adjustable temperature range	25–45 °C +/– 3 °C
Max. working pressure	10 bar
Min. working pressure	0.5 bar
Ambient temperature	5–40 °C
Max. relative humidity	80 %, non condensing
Pump station max. power input	65 W
Pump power supply	230 V, 50 Hz
Max. current to pump	0.65 A
Mixing valve Kvs	3.5 m³/h
Insulation material	EPP RG 60 g/l
Overall dimensions	380 x 170 x 245 mm
Total weight	6.8 kg
Connections	4 x G 1" F

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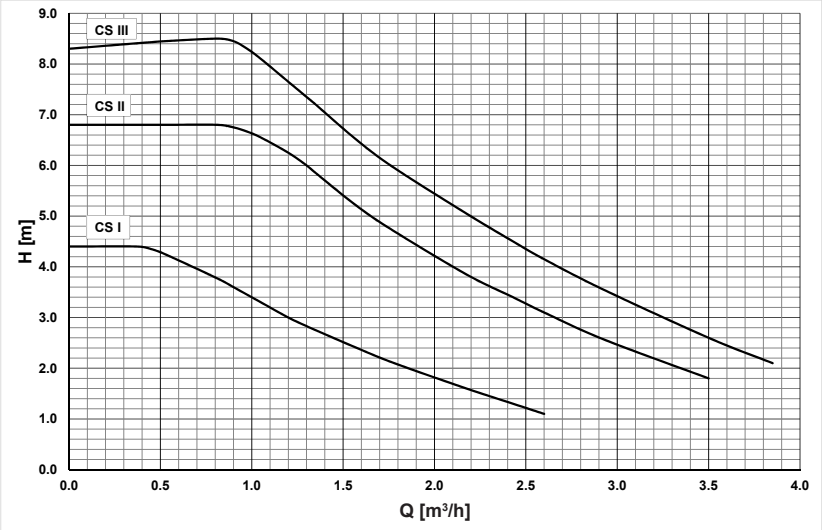
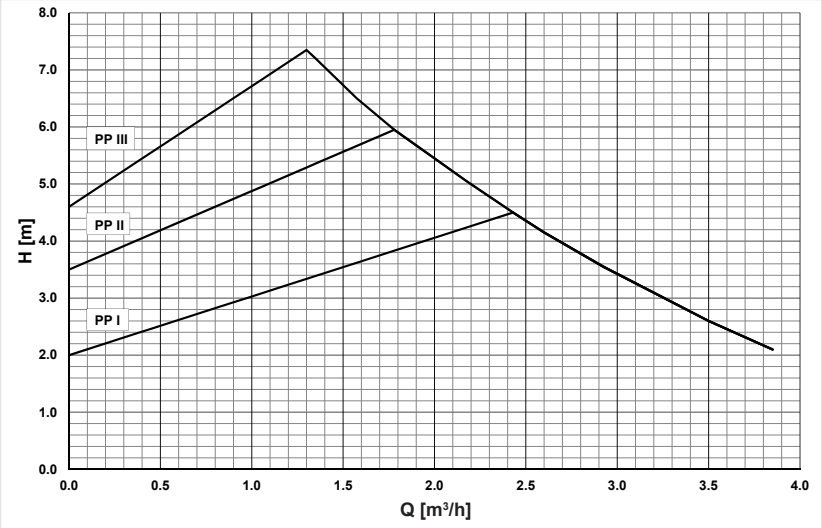
Pump Performance Curves

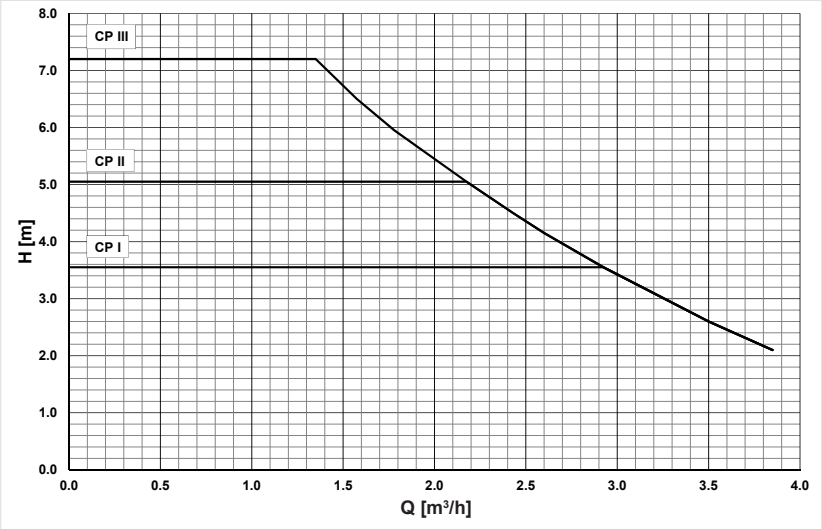
Constant speed



Variable pressure



Constant pressure



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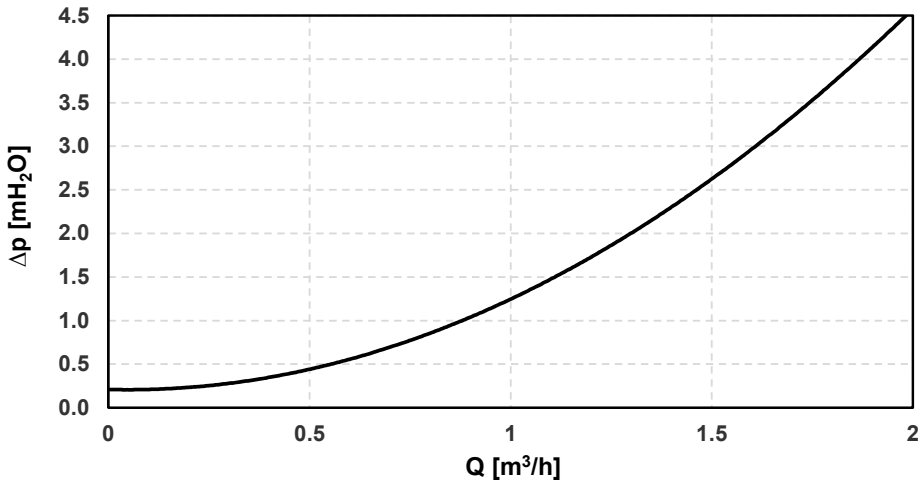
CSE2 TMV F R8 1F Pump Station

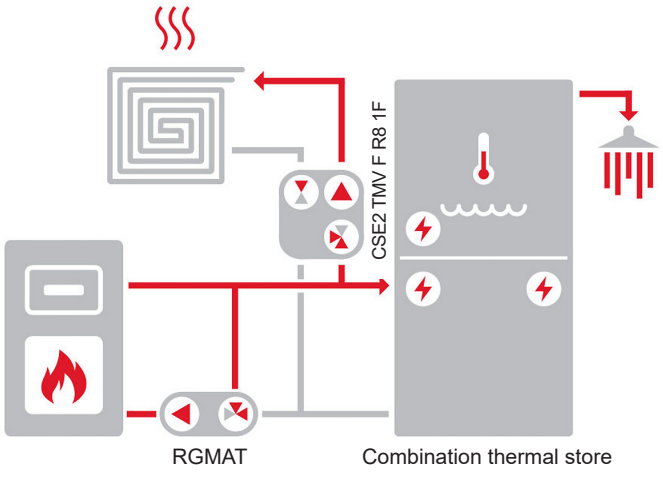
Pump Station Pressure Drop



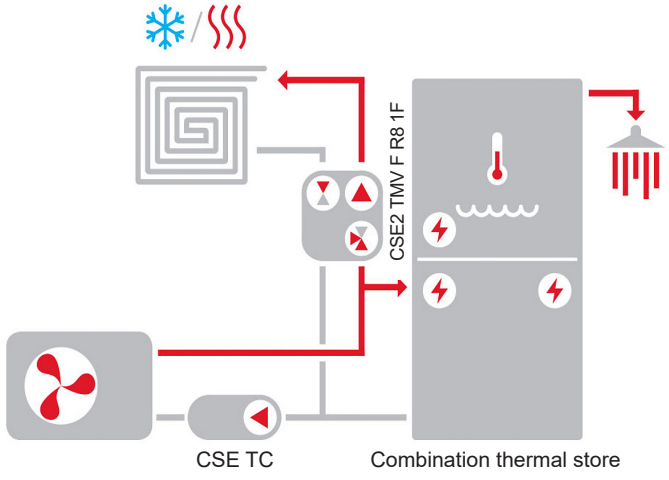
Approximate setting of the output temperature at the anti-scald valve

Point on the control knob	Output temperature
1	25 °C
2	30 °C
3	35 °C
4	40 °C
max.	45 °C

Example of possible connection I



Example of possible connection II



The diagrams show examples of the connection of a load unit / pump station to a heating system with a combination thermal store. RGMAT load units and CSE TC pump stations shall be ordered separately.

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