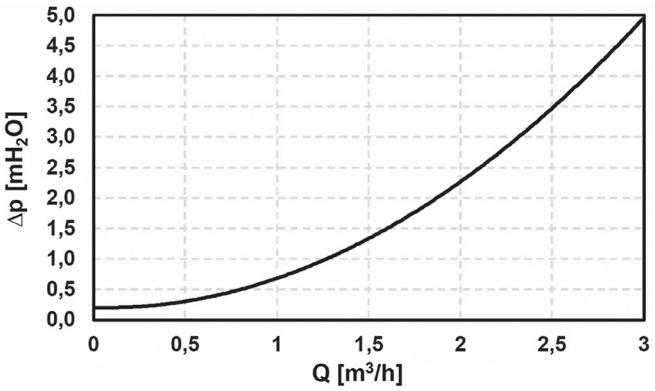
DATA SHEET

CSE2 MIX-BP F R8 1F Pump Station

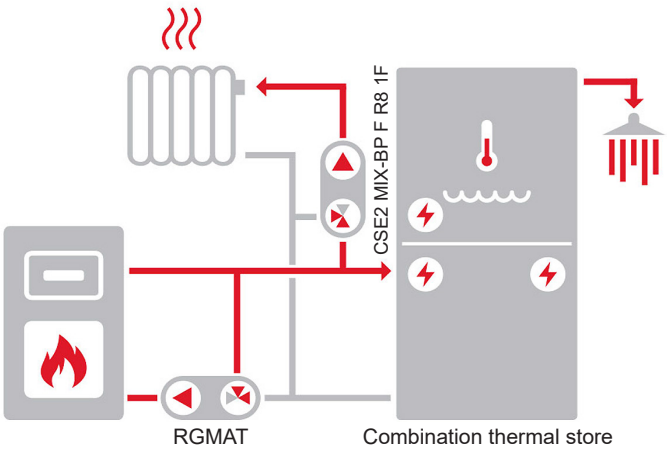
Main Features	
Application	It provides flow through the heating system, mixes to the outlet temperature in an manually actuated mixing valve (the drive can be selected according to the needs of the specific system and control). The pump station includes a filter with magnet, so it is also suitable for older steel pipe systems. It can be easily mounted on a wall or on a manifold for multiple heating circuits.
Description	Consists of RPA 25-8 pump, LK 840 3-way mixing valve without drive, filter w. magner, check valve, ball valves w. sensor sheaths, insulation.
Working fluid	Water, water–glycol mixture (max. 1:1). pH range 6.5–8.5.
Installation	Vertically on a wall or manifold (125 mm pitch).
Code	**21372**

Pump Station Data	
Fluid working temperature	5–95 °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	6.3 m³/h
Max. pressure difference	5 mH_2O (at mixing valve inlets)
Leak rate	< 1 % Kvs at 5 mH_2O pressure difference (at mixing valve inlets)
Insulation material	EPP RG 60 g/l
Overall dimensions	360 x 142 x 245 mm
Total weight	6.3 kg
Connections	4 x G 1" F

Pump Station Pressure Drop



Example of possible connection



The diagram shows a typical connection of a solid fuel boiler (with the recommended RGMAT pump station – not included in supply), combination thermal store and heating circuit.

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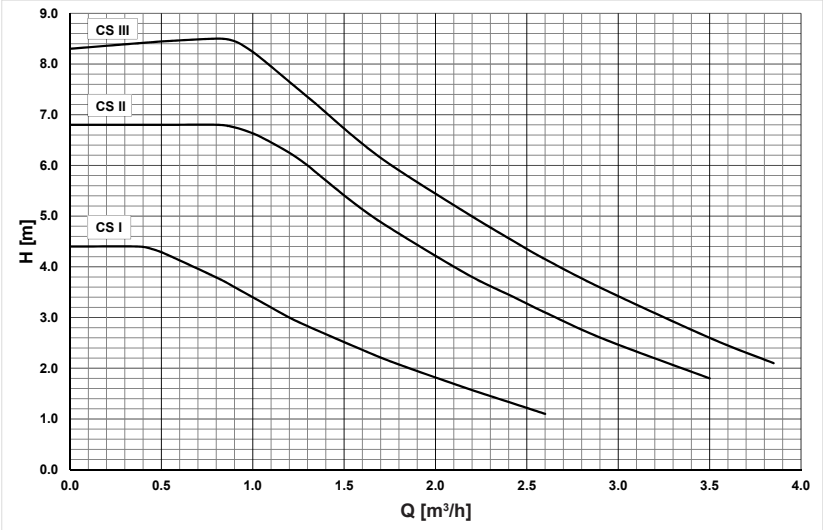
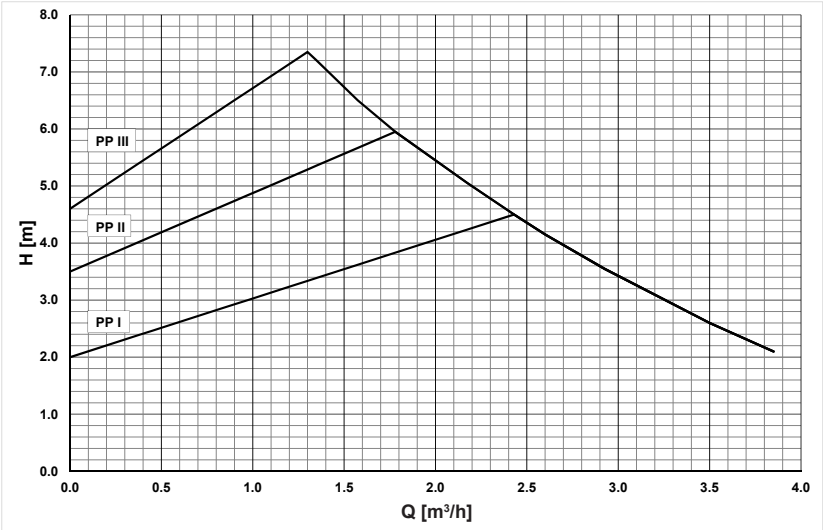
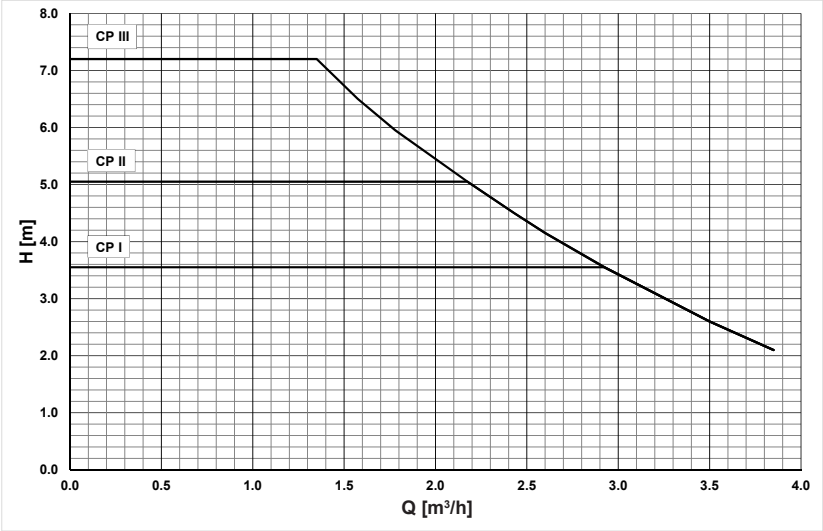
Pump Performance Curves

Constant speed



Variable pressure



Constant pressure