DATA SHEET

CSE2 MIX F FIX R8 1F Pump Station

Main Features	
Application	It ensures flow through the heating system, mixing to a fixed outlet temperature using a motorised mixing valve. The temperature can be set on the actuator display. 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 with ACC 30 actuator, filter w. magner, check valve, ball valves w. sensor sheaths, insulation.
Working fluid	Water, antifreeze heat-transfer fluid for heating systems.
Installation	Vertically on a wall or manifold (125 mm pitch). The pump is switched by an external controller (not included in supply), the actuator is power supplied through the connected power cable w. plug. Insert the actuator‘s sensor into the sheath of the ball valve on the outlet pipe to the heating system.
Code	**21426**

Parametry čerpadlové skupiny	
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 % bez kondenzace
Pump station max. power input	67 W
Pump power supply	230 V, 50 Hz
Max. current to pump	0.65 A
Mixing valve actuator torque	6 Nm
Angle of the mixing valve actuator	90°
Mixing valve shift time	120 s
Power supply and control of the mixing valve actuator	230 V, 50 Hz
Mixing valve Kvs	6.3 m³/h
Outlet temperature setting range	10–95 °C
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 181 x 245 mm
Total weight	6.7 kg
Connections	4 x G 1" F

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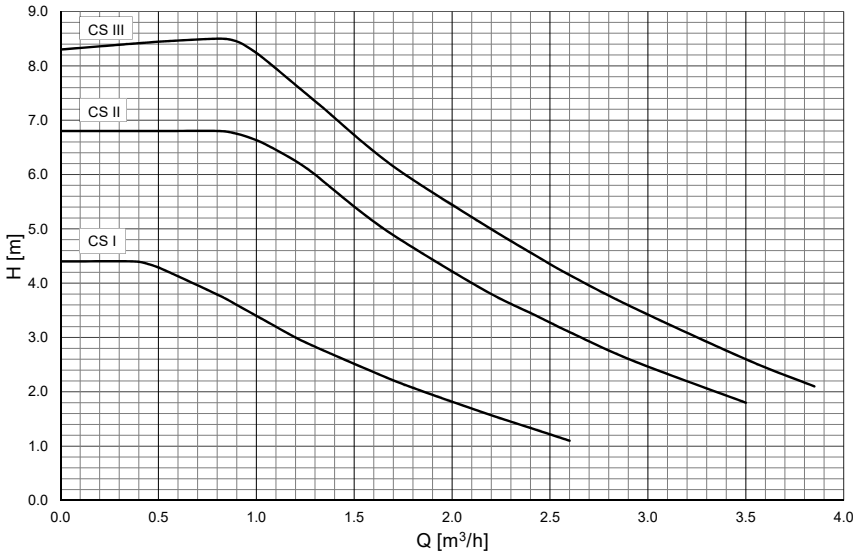
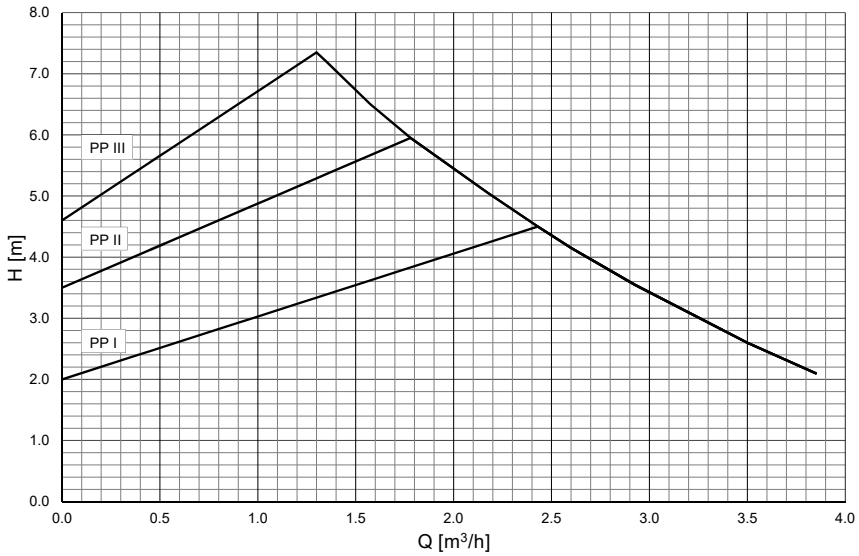
Pump Performance Curves

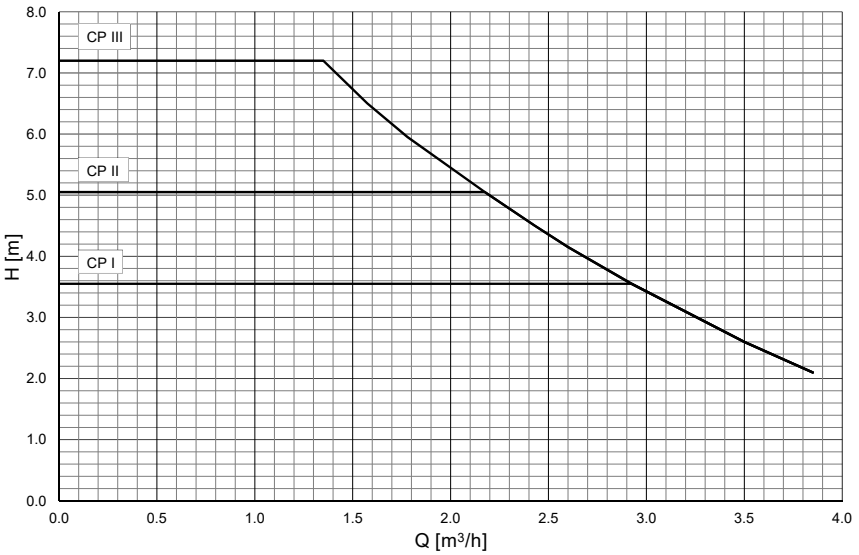
Constant speed



Variable pressure



Constant pressure



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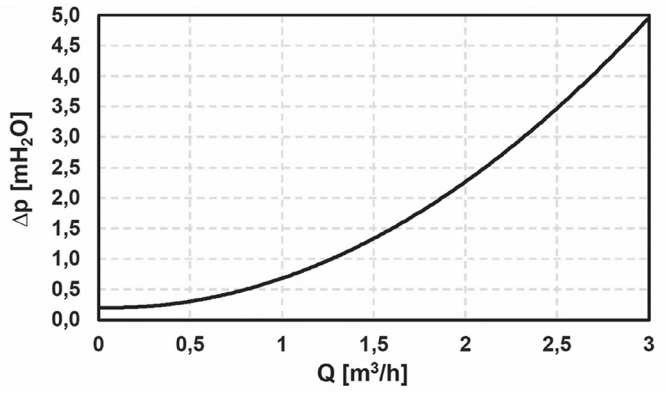
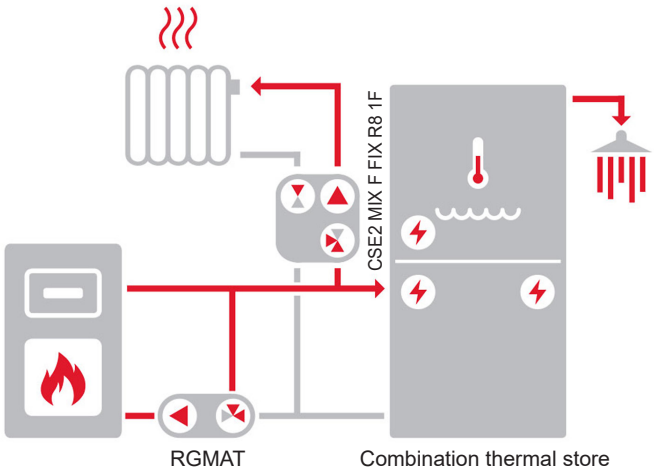
Pump Station Pressure Drop



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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