

DATA SHEET

CSE2 MIX-BP F G75 1F Pump Station



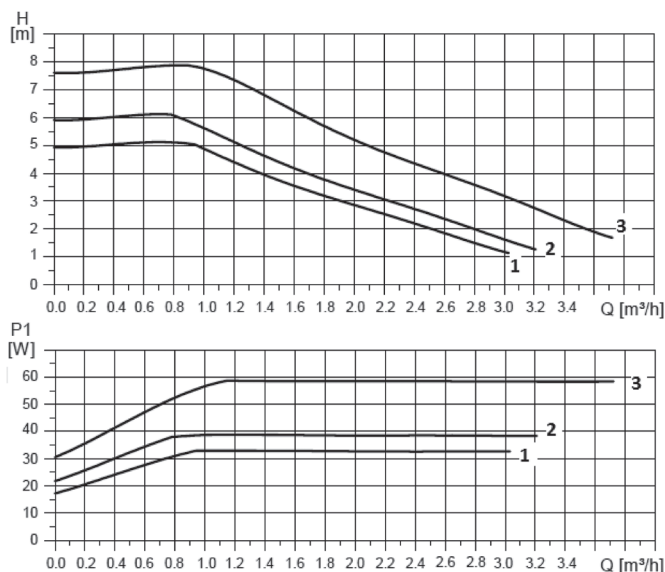
Main Features

Application	It provides flow through the heating system, mixes to the outlet temperature in a manually controlled mixing valve (the actuator can be selected according to the needs of the specific system and controller). 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 Grundfos UPM3 FLEX AS 25-75 pump, LK 840 3-way mixing valve with AVC actuator, filter w. magnet, 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).
Code	18082

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	60 W
Pump power supply	230 V, 50 Hz
Min./max. current to pump	0.04/0.58 A
Mixing valve Kvs	6.3 m ³ /h
Max. pressure difference	5 mH ₂ O (at mixing valve inlets)
Leak rate	< 1 % Kvs at 5 mH ₂ O 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 Performance Curves

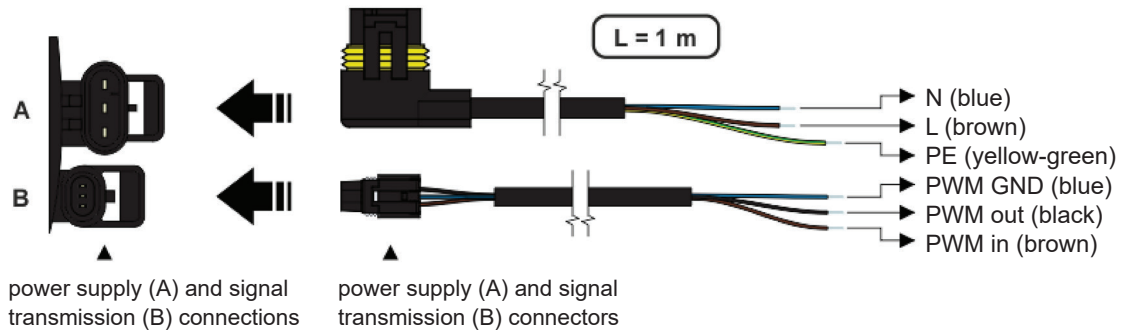


Curve	Max. H (upper graph)	Max. P ₁ (lower graph)
1	5 m	33 W
2	6 m	39 W
3	7.5 m	60 W

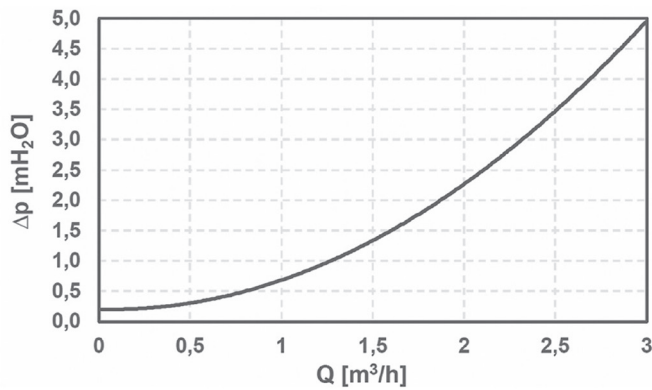
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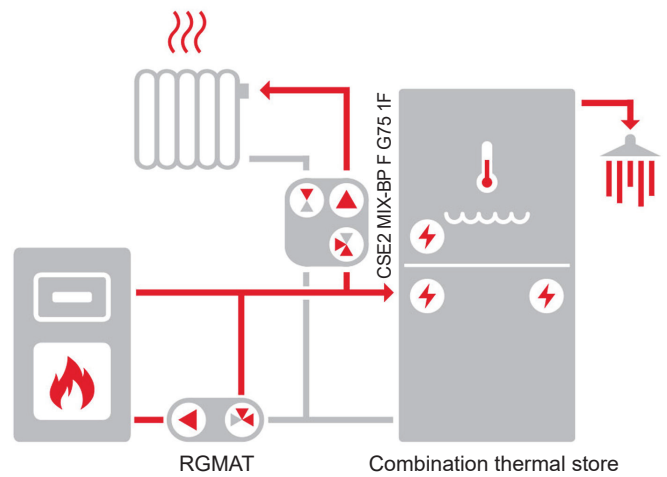
Pump Electrical Wiring



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.