

DATA SHEET

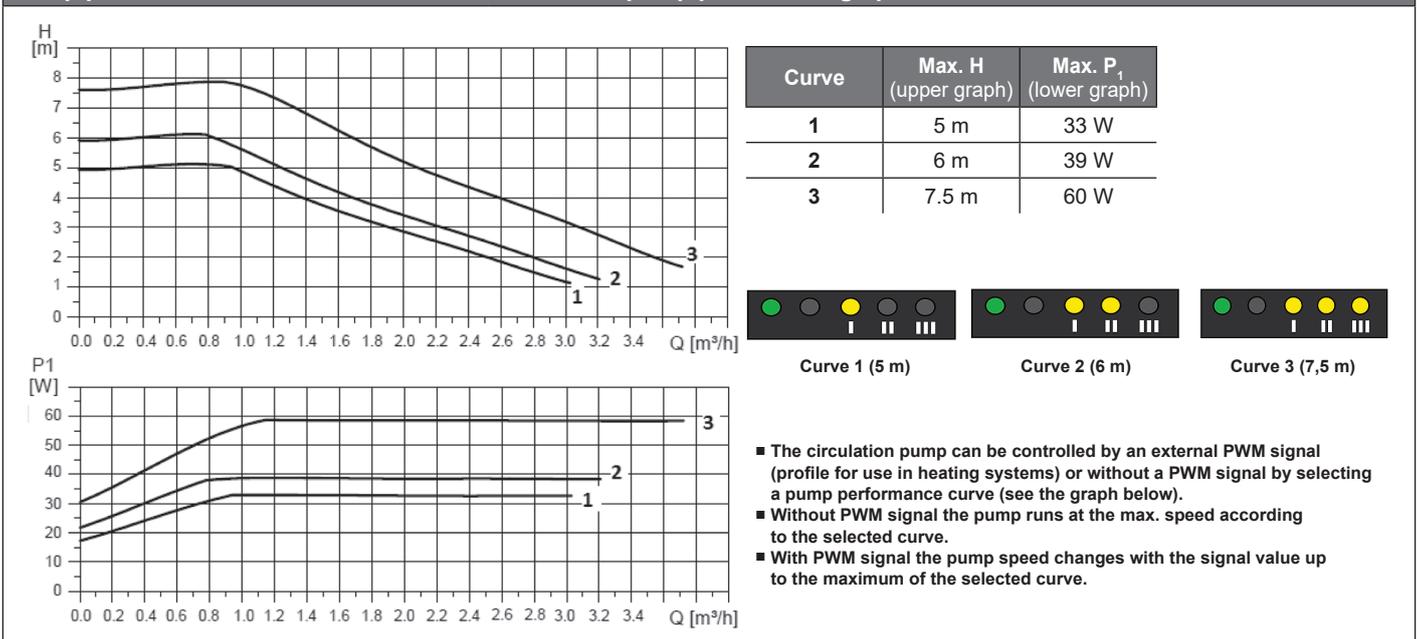
CSE MIX G75 5/4F Pump Station



Main Features	
Application	It provides circulation and mixing of a heating circuit or a solid-fuel boiler circuit. Switching of a circulation pump and control of a mixing valve is realized by an external controller.
Description	It consists of Grundfos UPM3 FLEX AS 25-75 pump, LK 840 three-way mixing valve with AVC actuator, insulation.
Working fluid	Water; water/glycol mixture (max. 1:1) or water/glycerine mixture (max. 2:1).
Installation	On the flow/return pipe of a solid fuel boiler, min. pipe centre distance from wall = 100 mm.
Code	16402

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 power supply	230 V, 50 Hz
Max. power input of pump station	63 W
Min./max. current to pump	0.04 / 0.58 A
Mixing valve actuator torque	5 Nm
Actuator angle of rotation	90°
Actuator shift time	120 s
Actuator control	3-point
Mixing valve Kvs	16 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	325 x 140 x 220 mm
Total weight	4.0 kg
Connections	3 x G 5/4" F

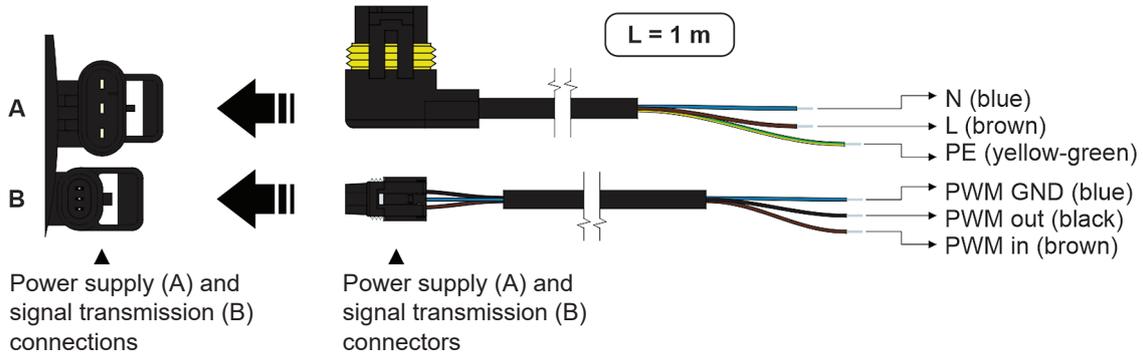
Pump performance curves and indication of selected pump profile during operation



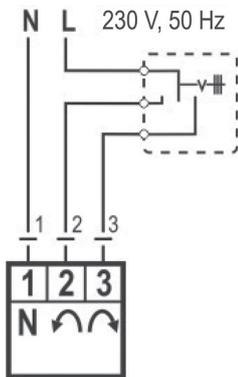
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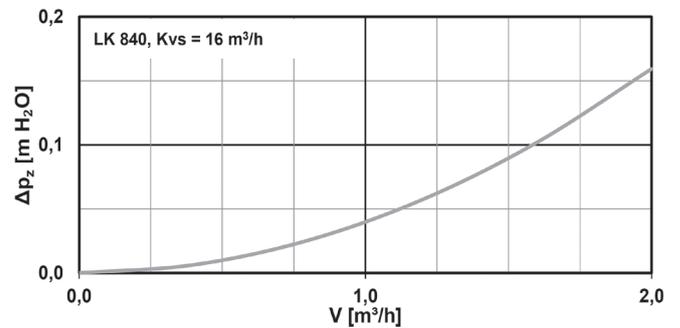
Pump Electrical Wiring



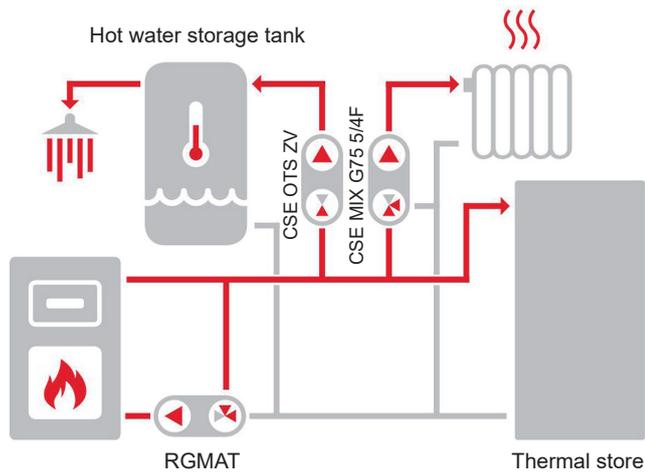
Actuator Electrical Wiring



Pump Station Pressure Drop Graph

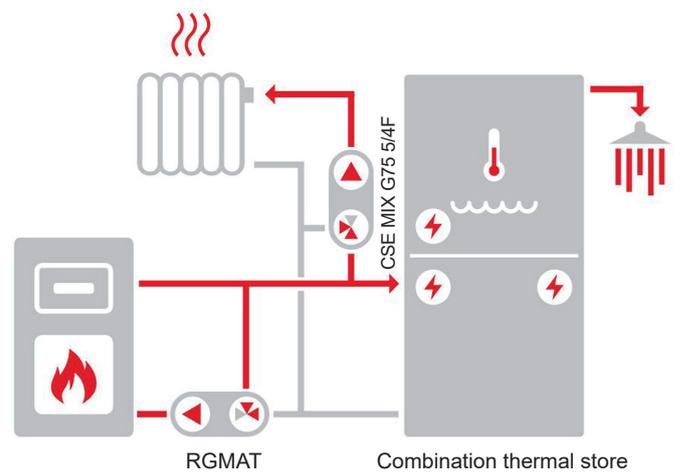


Example of possible connection I



The diagram shows a typical connection of a solid fuel boiler (with the recommended RGMAT pump station – not included in supply), thermal store and heating circuit. If the boiler is used also for hot water heating, it is recommended to install a CSE OTS ZV W pump station (not included in supply).

Example of possible connection II



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.