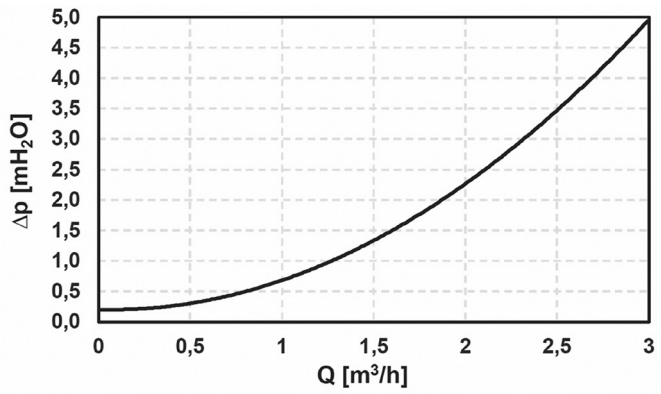
DATA SHEET

CSE2 MIX F R6 1F Pump Station

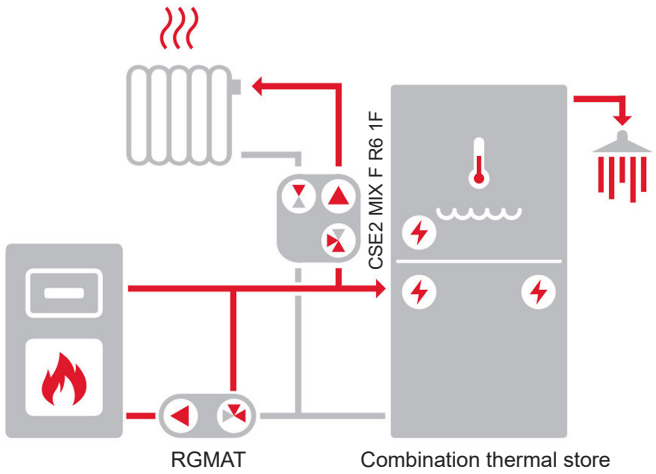
Main Features	
Application	It provides flow through the heating system, mixes to the outlet temperature in an electric actuated mixing valve (controlled by an external controller). The pump station includes a filter with magnet, so it is also suitable for older steel pipe systems. It can be easily mounted on a wall or on a manifold for multiple heating circuits.
Description	Consists of RPA 25-8 pump, LK 840 3-way mixing valve with AVC actuator, 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	**22025**

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	47 W
Pump power supply	230 V, 50 Hz
Max. current to pump	0.42 A
Mixing valve actuator torque	5 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; from external controller w. 3-point control
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 181 x 245 mm
Total weight	6.5 kg
Connections	4 x G 1" F
Power cable length	3 m

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.

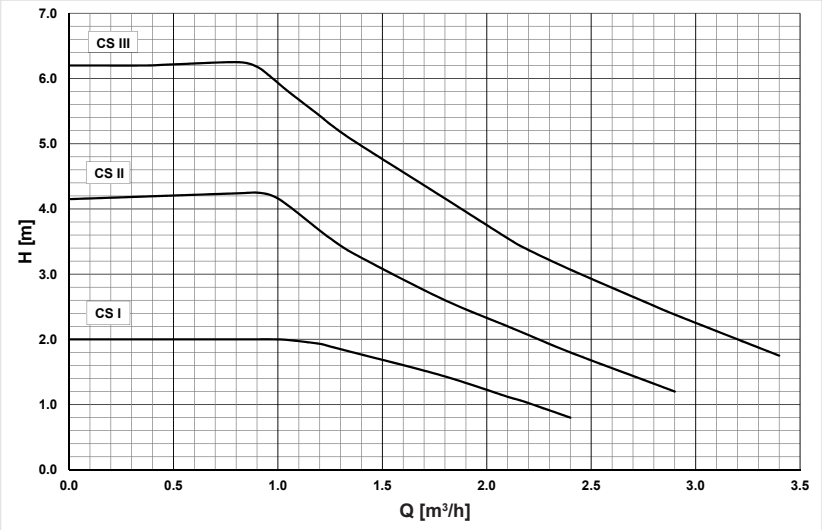
REGULUS spol. s r. o. Czech Republic
Do Koutů 1897/3, 143 00 Praha 4
Tel.: +420 241 765 191
Fax: +420 241 763 976
E-mail: sales@regulus.eu
Web: www.regulus.eu

DATA SHEET

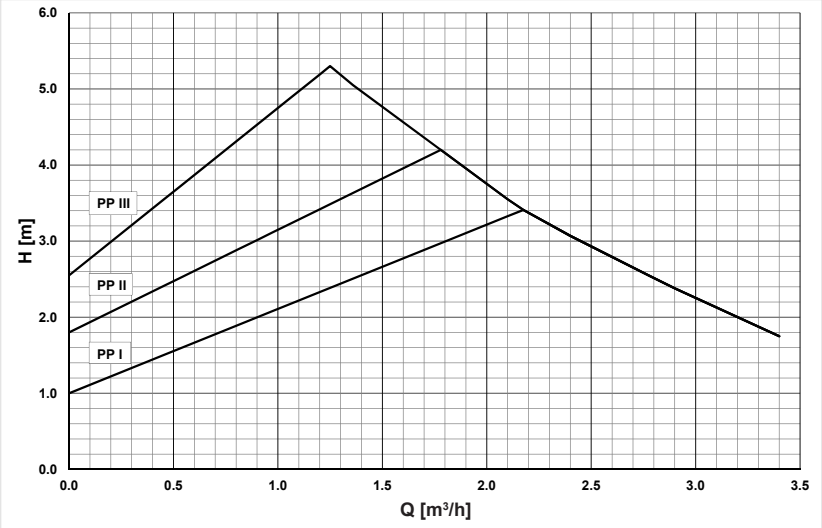
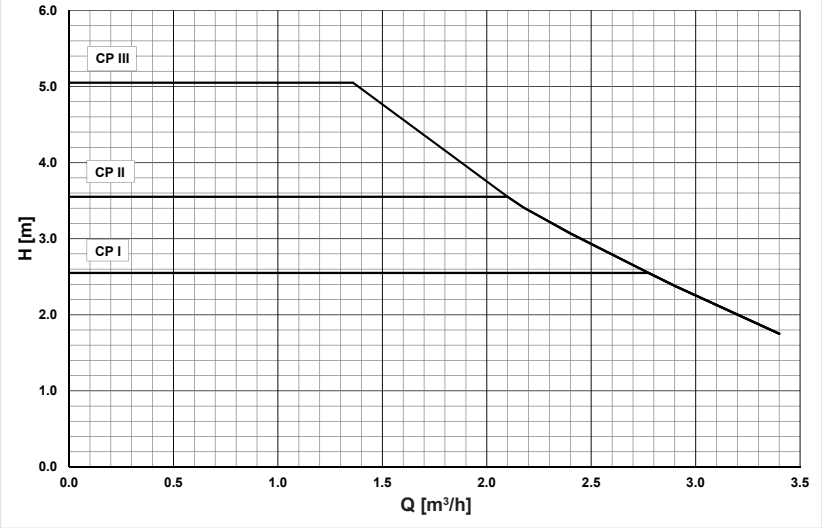
CSE2 MIX F R6 1F Pump Station

Pump Performance Curves

Constant speed



Variable pressure



Constant pressure