

## DATA SHEET

### CSE2 MIX-BP F W6 1F Pump Station



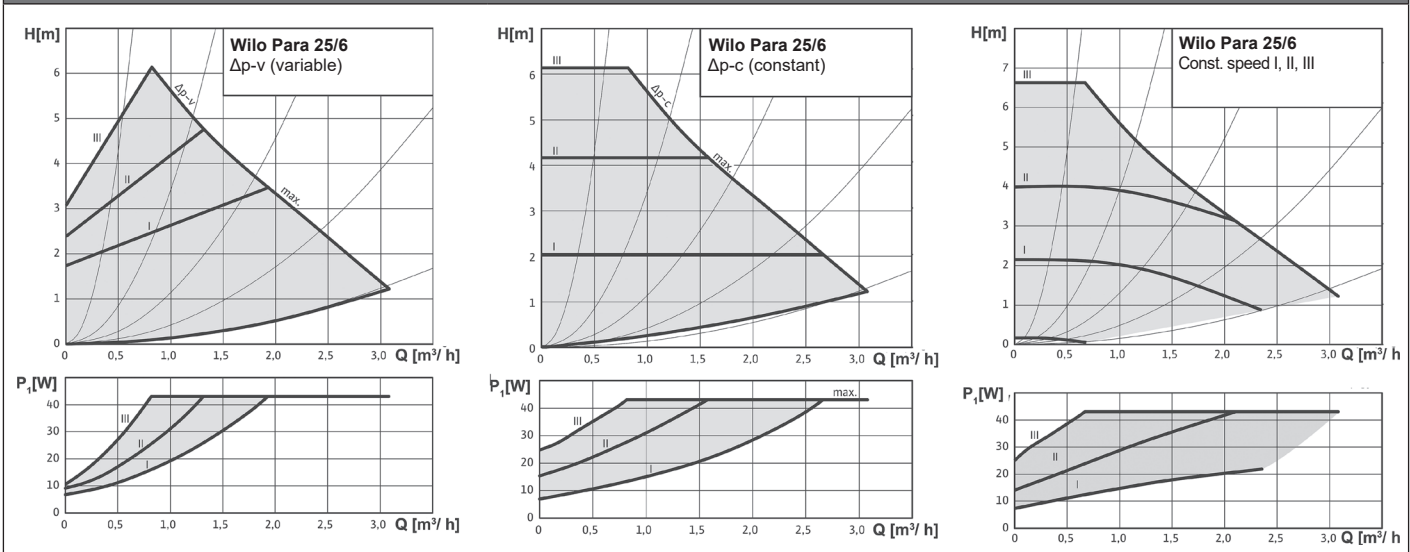
#### Main Features

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	It consists of a Wilo PARA 25/6 SC pump, LK 840 3-way mixing valve without actuator, filter with magnet, check valve, ball valves w. sensor sheath, insulation.
Working fluid	Water, antifreeze heat-transfer fluid for heating systems.
Installation	Vertically on a wall or manifold (125 mm pitch).
Code	<b>18314</b>

#### 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	43 W
Pump power supply	230 V, 50 Hz
Min./max. current to pump	0.04/0.44 A
Mixing valve Kvs	6.3 m <sup>3</sup> /h
Max. pressure difference	5 mH <sub>2</sub> O (at mixing valve inlets)
Leak rate	< 1 % Kvs at 5 mH <sub>2</sub> 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

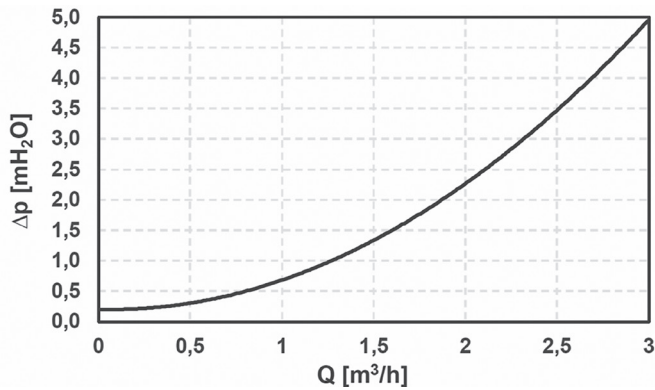
#### Pump Performance Curves



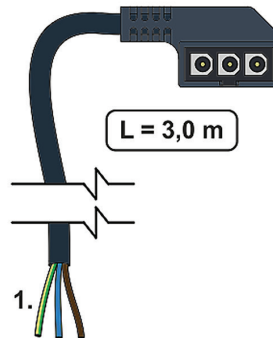
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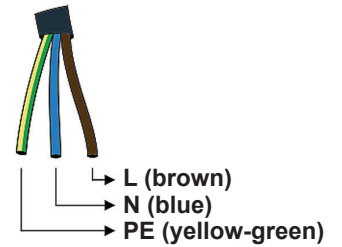
### Pump Station Pressure Drop



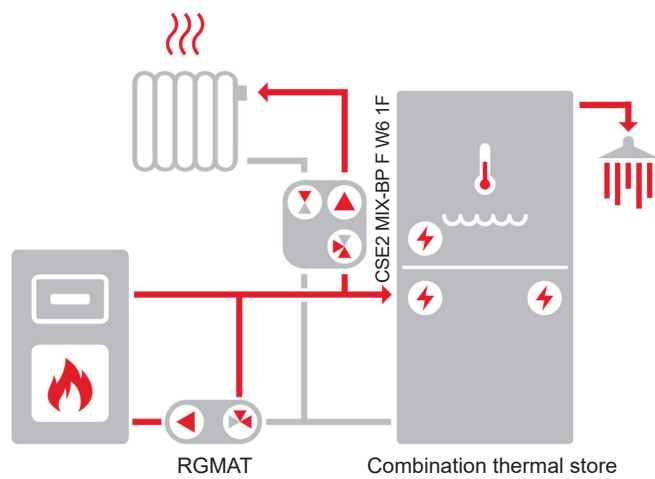
### Pump Electrical Wiring



#### 1. POWER SUPPLY (1 ~ 230 V, 50 Hz)



### 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.