

CSE MIX-BP W8 5/4F Pump Station


| Main Features | |
|---------------|---|
| Application | Providing circulation and mixing of a heating circuit or solid fuel fired source circuit. Switching of the circulation pump is realized from an external controller (not included in supply). An actuator of the Regulus AVC, ACC, AHC type can be purchased for the mixing valve. Select the specific type and parameters of the actuator according to the installed controller. |
| Description | consist of WILO PARA 25/8 SC pump, LK 840 3-way mixing valve, insulation |
| Working fluid | water; water/glycol mixture (max. 1:1) or water-glycerine mixture (max. 2:1) |
| Installation | flow pipe to heating circuit / on solid fuel boiler return pipe, min. pipe centre distance from wall is 100 mm |
| Code | 18732 |

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 |
| Mixing valve Kvs | 16 m ³ /h |
| Valve Leakage rate | < 1 % Kvs at 5 mH ₂ O pressure difference |
| Max. pump speed | 4800 rpm |
| Overall dimensions | 305 x 135 x 165 mm |
| Total weight | 3,8 kg |
| Connections | 3 x G 5/4" F |

Electric Data

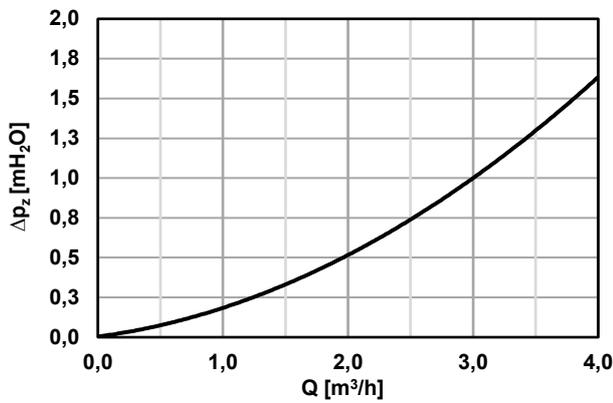
| | |
|------------------------------|--------------|
| Power supply | 230 V, 50 Hz |
| Pump power input (min./max.) | 2/75 W |
| Pump current (min./max) | 0,03/0,66 A |

Materials

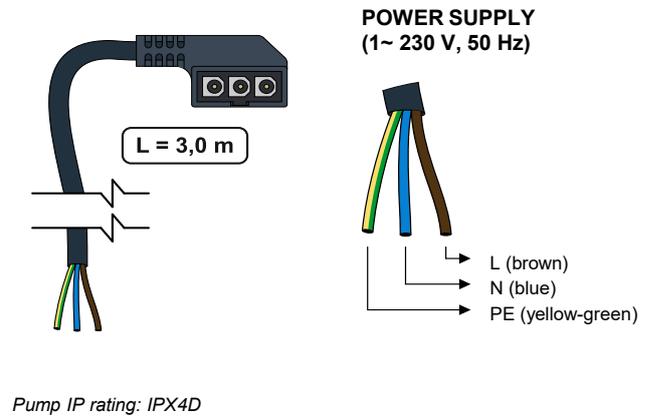
| | |
|---------------------------|---------------|
| Insulation | EPP RG 60 g/l |
| Mixing valve and fittings | brass |

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Pump Station Pressure Drop Graph

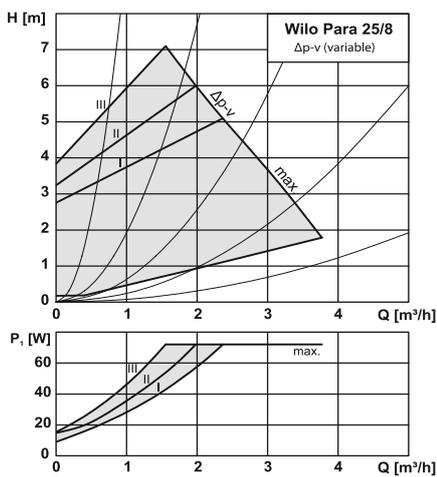


Pump and actuator wiring

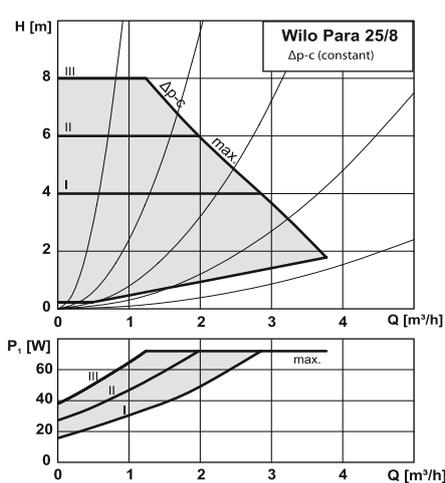


Pump Performance Curves

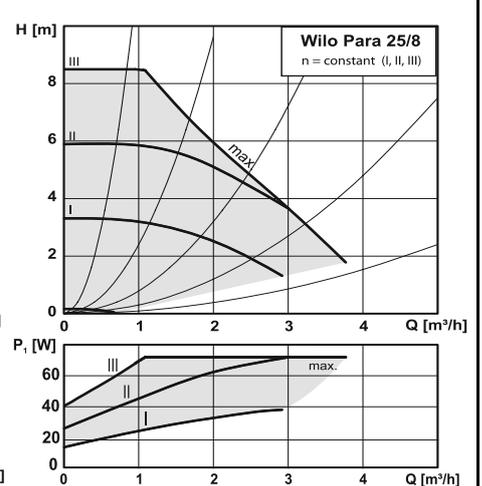
Characteristics of $\Delta p-v$ (variable)



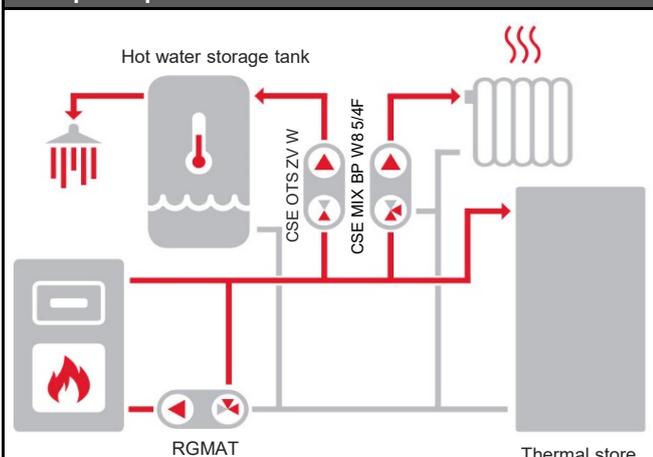
Characteristics of $\Delta p-c$ (constant)



Characteristics of $n=const.$

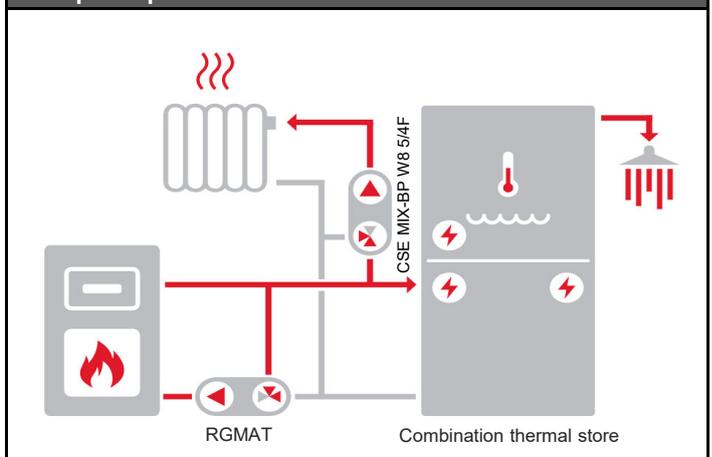


Example of possible connection I



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.