

CSE MIX W6 1M Pump Station



Main Features

Application	Providing circulation and mixing of a heating circuit or solid fuel fired source circuit. Switching of the circulation pump and control of the mixing valve is realized from an external controller.
Description	Consist of WILO PARA 25/6 SC pump, LK 840 3-way mixing valve w. AVC actuator, 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	18730

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	6.3 m ³ /h
Valve Leakage rate	< 1 % Kvs at 5 mH ₂ O pressure difference
Actuator torque	5 Nm
Actuator angle of rotation	90°
Actuator shift time	120 s
Actuator control	3-point (SPDT)
Actuator auxiliary switch	none
Max. pump speed	4300 rpm
Overall dimensions	305 x 135 x 195 mm
Total weight	3.9 kg
Connections	2 x G 1" M (mixing valve); 1 x G 1" F (pump)

Electric Data

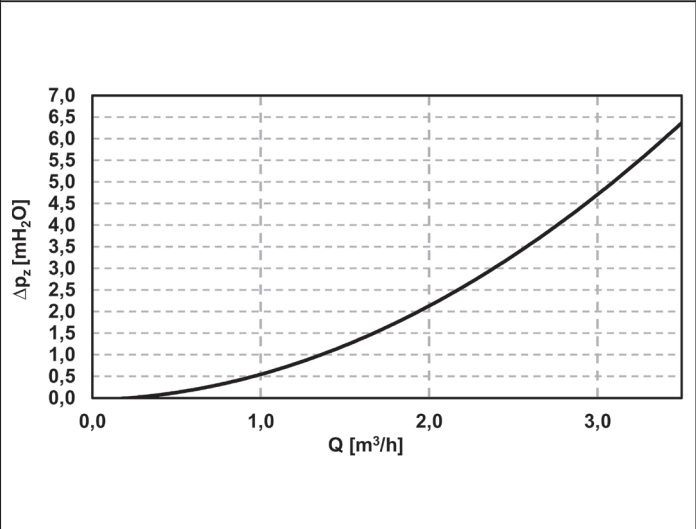
Power supply	230 V, 50 Hz
Pump power input (min./max.)	3/43 W
Pump current (min./max.)	0.04/0.44 A
Actuator max. power input	2.5 VA

Materials

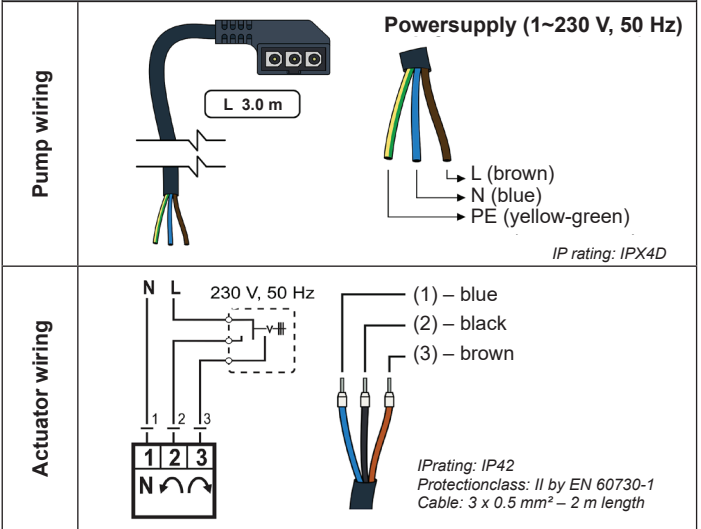
Insulation	EPP RG 60 g/l
Mixing valve and fittings	brass

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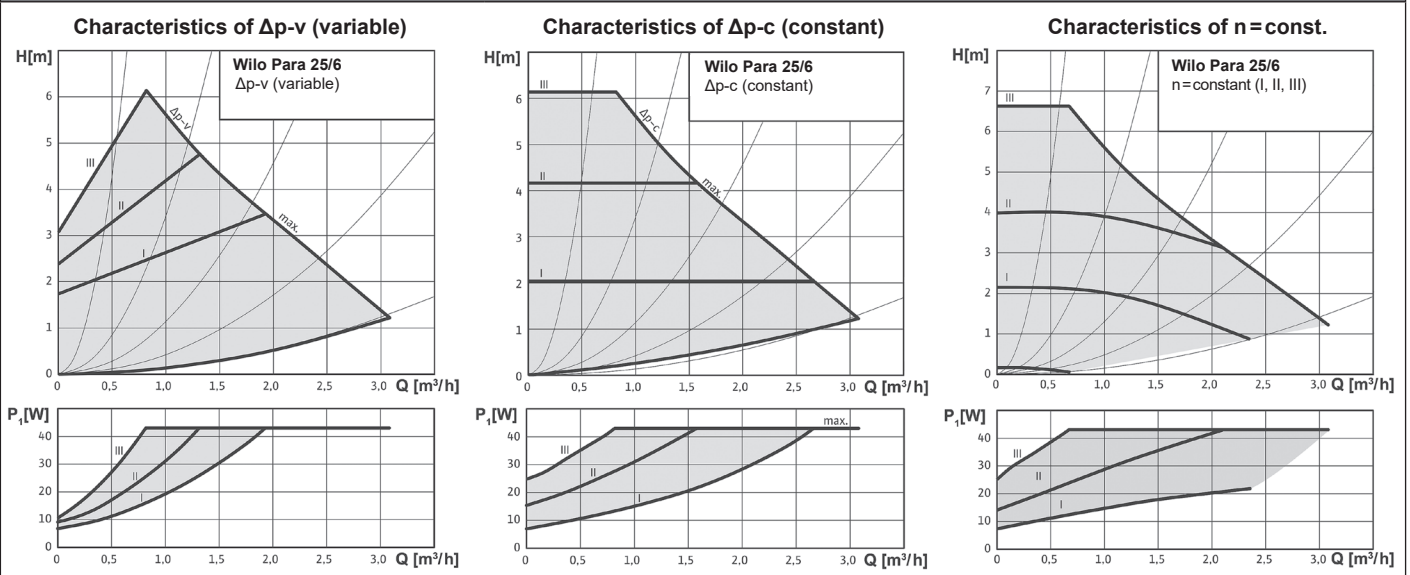
Pump Station Pressure Drop Graph



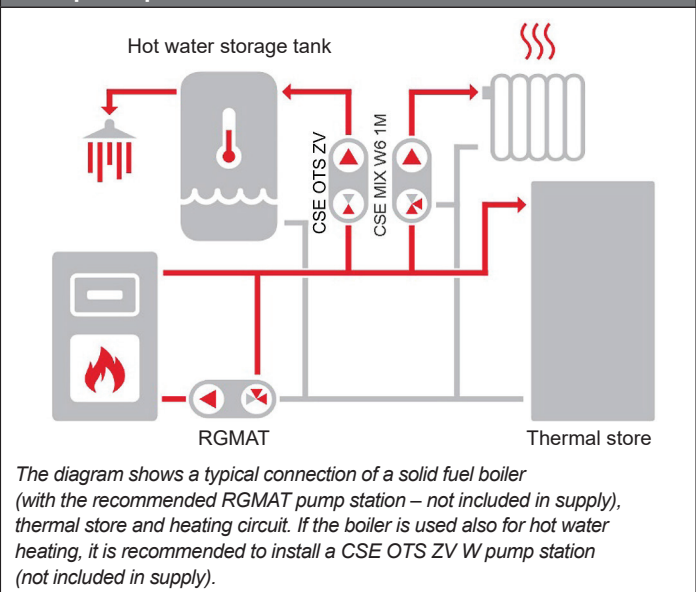
Pump and actuator wiring



Pump Performance Curves



Example of possible connection I



Example of possible connection II

