

DATA SHEET

CSE OTS ZV W-PWM 1F Pump Station



Main Features

Application	Flow to heating systems with pump speed control by PWM signal. Pump speed controlled by PWM signal from external controller that is not included in supply. If the PWM signal is disconnected, the pump runs at the max. speed.
Description	Consists of WILO PARA 25/8 iPWM pump; fittings with shut-off ball valve; ball valve with check valve, thermometer, insulation.
Working fluid	Water, water-glycol mixture (max. 1:1) or water-glycerine mixture (max. 2:1).
Installation	Heating circuit flow pipe, min. pipe axis to wall distance is 100 mm.
Code	18127

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
Max. pump speed	4800 rpm
Overall dimensions	305 x 135 x 170 mm
Total weight	2.8 kg
Connections	2 x G1" F

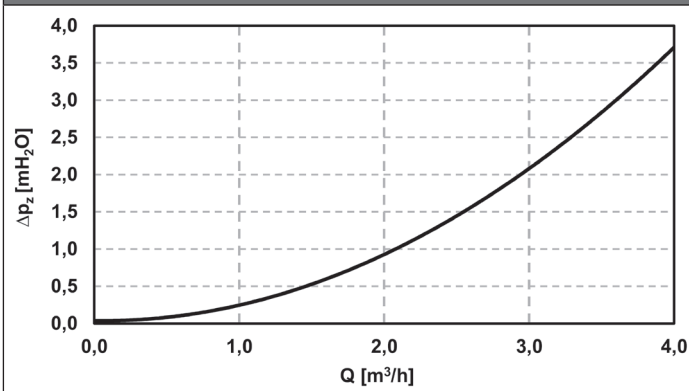
Electric Data

Power supply	230 V, 50 Hz
Pump power input (min./max.)	2/75 W
Pump current (min./max)	0.03/0.66 A

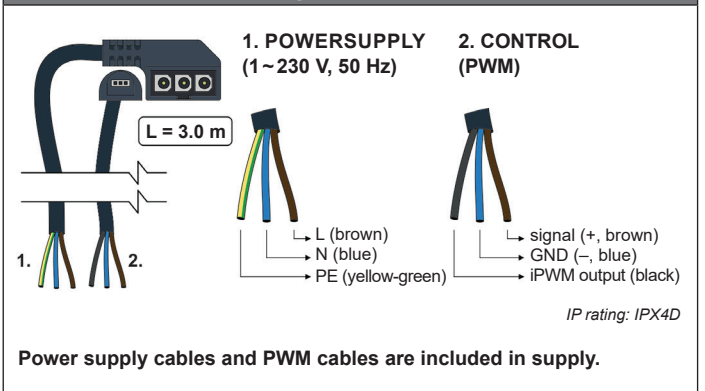
Materials

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

Pump Station Pressure Drop Graph



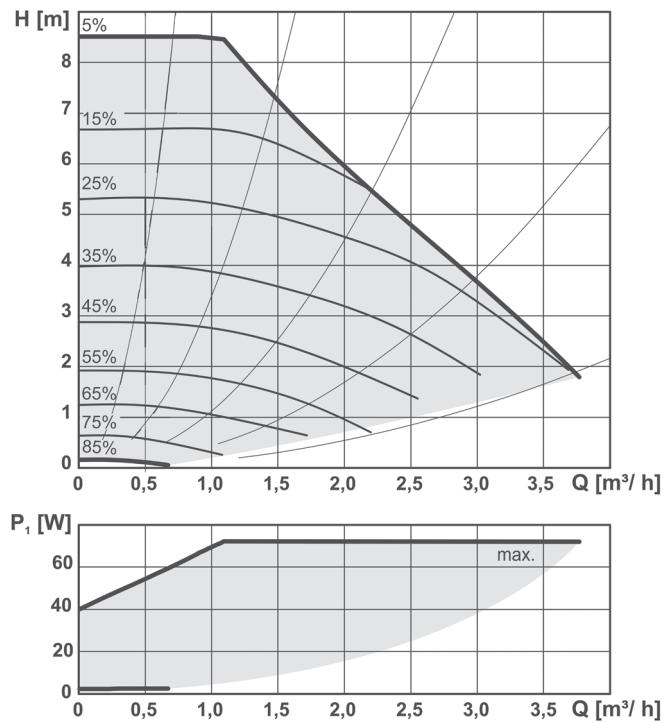
Pump and actuator wiring



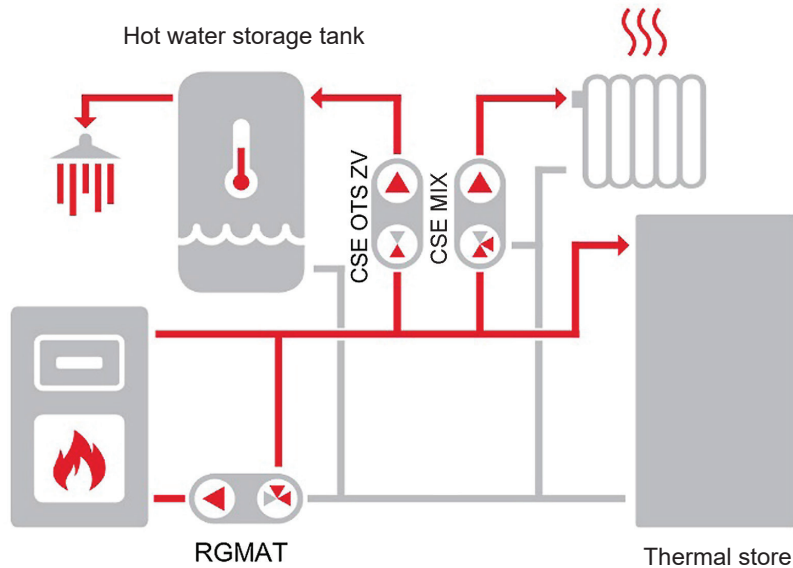
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Pump Performance Curves



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), thermal store and heating circuit (with recommended CSE MIX pump group – not included in supply).