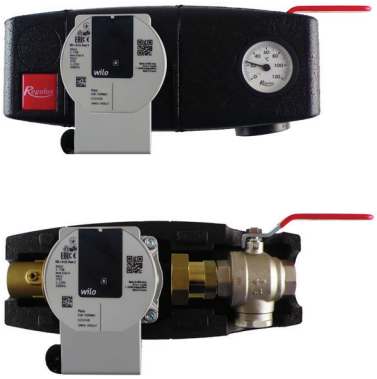
DATA SHEET

CSE TC W-PWM MFB 1F Pump Station



Main Features	
Application	Heat pump circuit with speed control by PWM signal. Pump speed is controlled by PWM signal from an external controller not included in supply.
Description	Consists of WILO PARA 25/8 iPWM pump; fittings with shut-off ball valve; ball valve with filter & magnet, thermometer, insulation.
Flow rate measurement	The current flow rate is sent by the pump electronically to the external controller.*)
Working fluid	Water, water–glycol mixture (max. 1:1) or water–glycerine mixture (max. 2:1).
Installation	On a heat pump return pipe, min. pipe axis to wall distance is 100 mm.
Code	**17868**

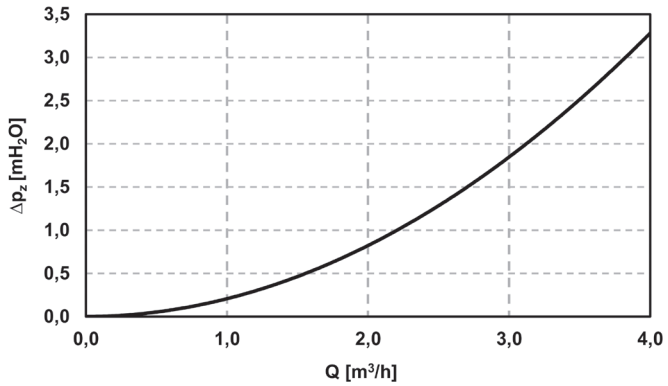
*) *For reverse flow reading, the controller must be equipped with an iPWM read input and a flow calculation function.*

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	3.4 kg
Connections	2 x G1" F

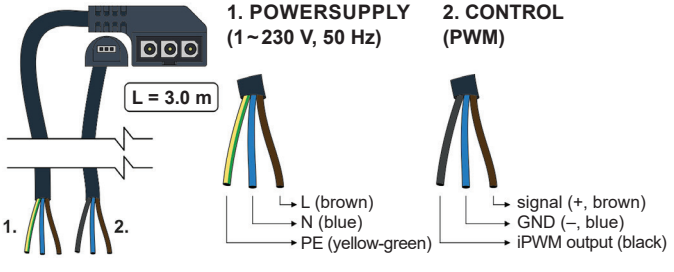
Electric Data	
Power supply	230 V, 50 Hz
Pump power input (min./max.)	2/75 W
Pump current (min./max)	0.03/0.66 A

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

Pump Station Pressure Drop Graph



Pump and actuator wiring



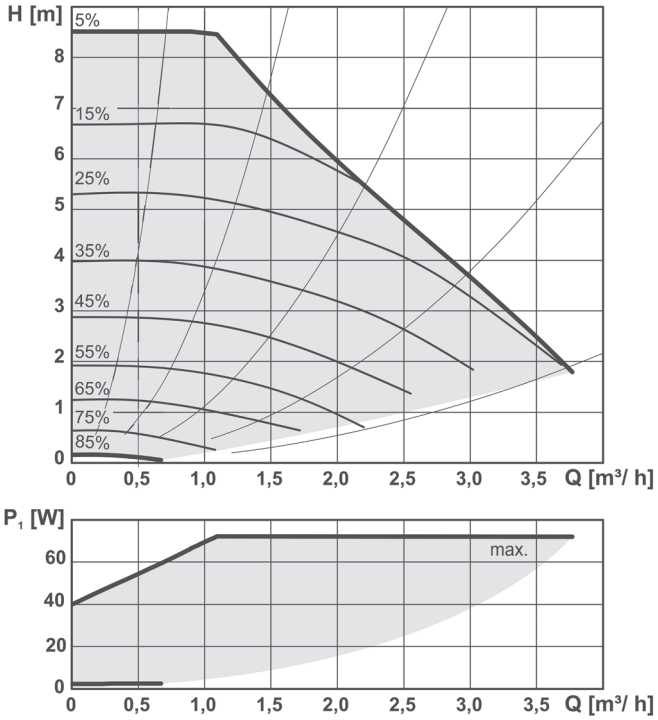
IP rating: IPX4D

Power supply cables and PWM cables are included in supply.

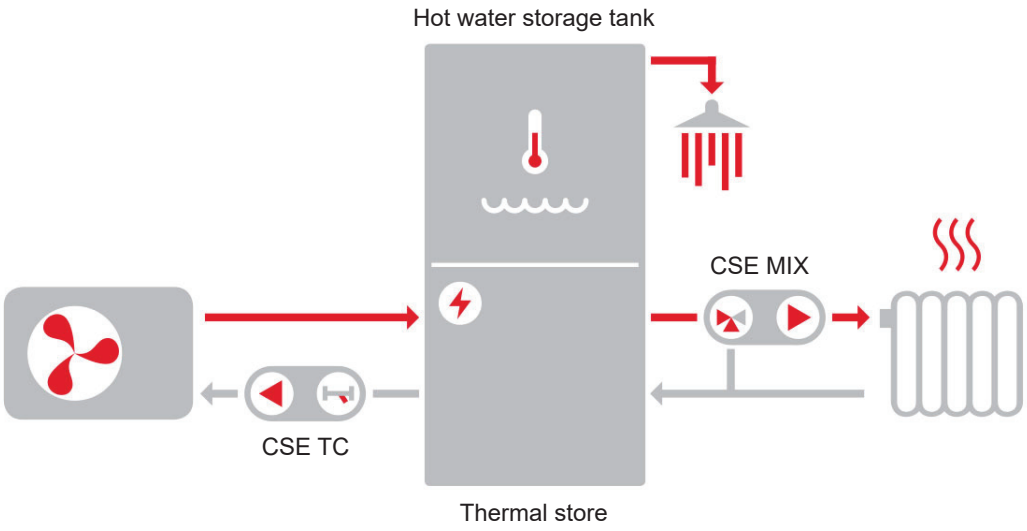
DATA SHEET

CSE TC W-PWM MFB 1F Pump Station

Pump Performace Curves



Example of possible connection



The diagram shows a typical connection heat pump, thermal store and heating circuit (with recommended CSE MIX pump group – not included in supply).

R E G U L U S 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