DATA SHEET

CSE2 MIX-BP F W 1F Pump Station

Main Features	
Application	CSE2 MIX-BP F W 1F Twin-line Pump Station is intended for use in mixed heating circuits. It ensures flow through a heating system. The mixing valve is not fitted with an actuator, so any actuator can be used that meets the requirements of the particular system and control. The pump station involves a filter with magnet which makes it suitable also for older systems with steel pipes. It can be easily mounted on a wall or on a manifold for more heating circuits.
Description	The twin-line pump station consist of: ● Wilo Para 25/8 SC pump ● 2 ball valves with sensor sheath ● check valve ● filter with strainer and magnet ● LK 840 mixing valve ● fittings to connect a manifold ● thermometer, insulation
Working fluid	water, antifreeze fluid for heating systems
Installation	vertical on a wall or manifold (125 mm pitch)
Connections	4 x G 1" F
Code	**17917**

Data for CSE2 MIX-BP F W 1F Pump Station	
Fluid working temperature	5 - 95 °C
Max. working pressure	6 bar
Ambient temperature	0-40°C
Max. relative humidity	95%, non condensing
Pump power supply	1 ~ 230 V, 50 - 60 Hz
Insulation material	EPP RG 60 g/l
Overall dimensions	360 x 133 x 245 mm
Total weight	6.3 kg

Wilo Para 25/8 SC 130 mm Pump

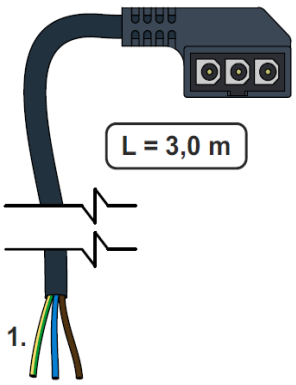
Electric Data	
Power supply	1 ~ 230 V, 50 - 60 Hz
Power input (min./max.)	2 / 75 W
Current (min./max.)	0,03 / 0,66 A
IP rating	IPX4D
Max. speed	4800 rpm
Energy Efficiency Index	≤ 0.21 by EN 16297/3
Motor protection	integrated

Min. pressure at the suction port to avoid cavitation	
Min. pressure at the suction port	0.5 mH_2O at 50°C 4.5 mH_2O at 95°C

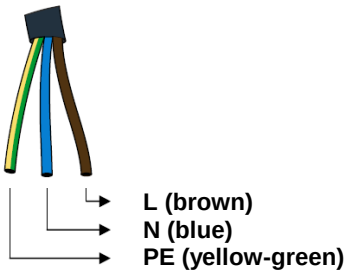
Operating Parameters	
Fluid working temperature	0-95 °C
Max. working pressure	10 bar
Max. head	8.4 m

CSE2 MIX-BP F W 1F Pump Station

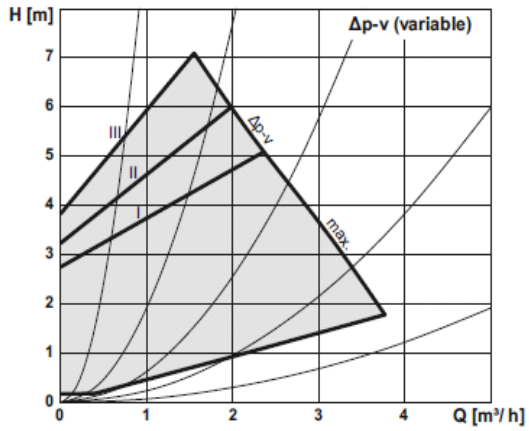
Wilo Para 25/8 SC 130 mm Pump Connection

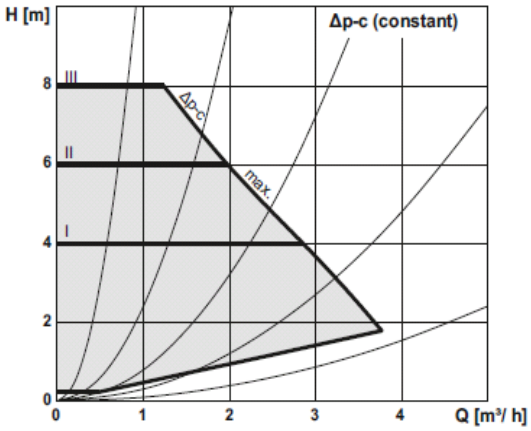


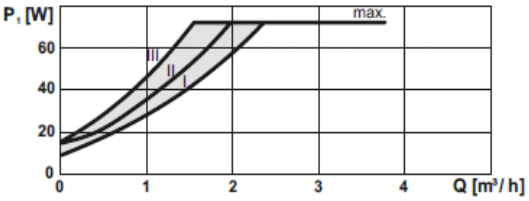
1. **POWER SUPPLY (230 V,50 Hz)**

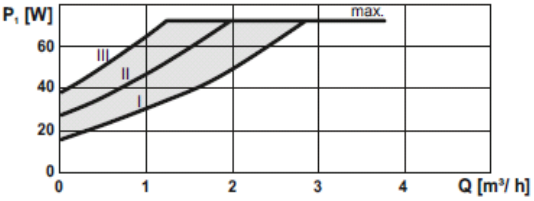


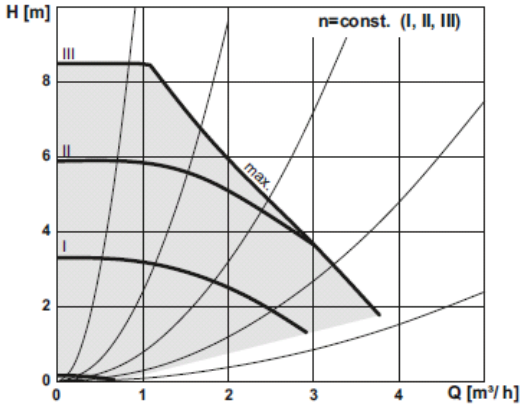
Performance curves for Wilo Para 25/8 SC 130 mm Pump

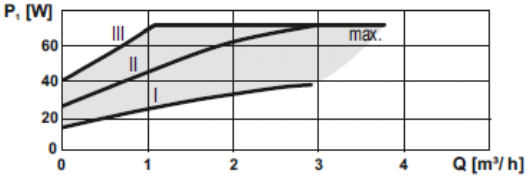












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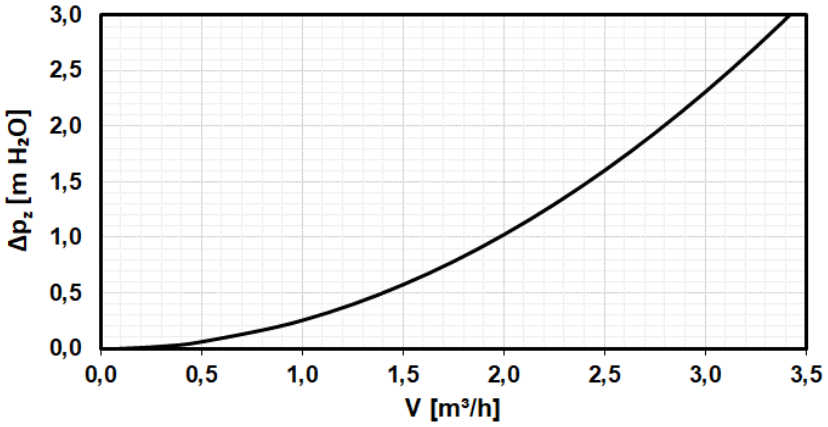
LK 840 Mixing Valve

Technical Data	
Max. working temperature	5 - 110°C (120°C in short term)
Max. working pressure	10 bar
Ambient temperature	5 - 60 °C
Valve Kvs	6.3 m³/h
Max. pressure difference	5 m H_2O
Leakage rate	< 1 % Kvs at 5m H_2O pressure difference

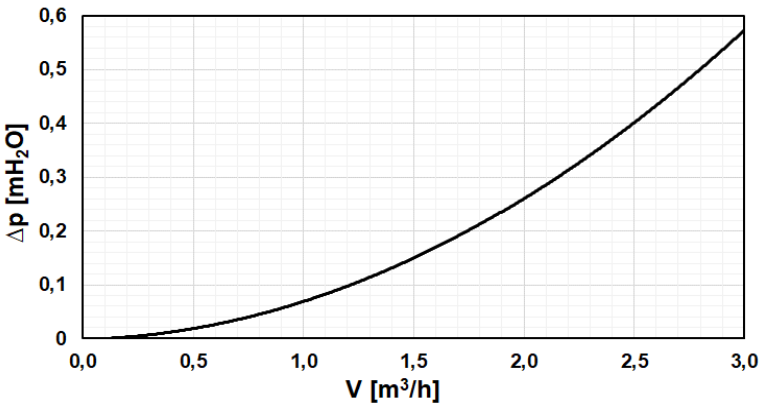
Mixing Valve Pressure Drop Diagram



Filter with Magnet

Technical Data	
Nominal pressure	PN 6
Max. working temperature	100 °C
Magnet type	rod magnet axially magnetized
Magnetic induction	1.3 T (13 000 Gs)
Adhesive force	~5 kg
Strainer mesh size	1 mm

Pressure Drop Diagram for Filter with Magnet



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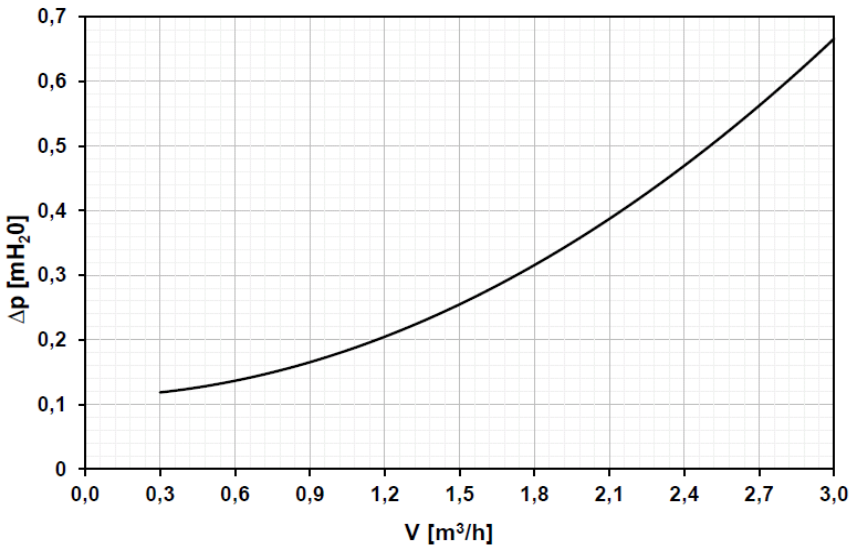
Check Valve

Check Valve Pressure Drop Graph



Ball Valves

Technical Data

Kv value	20.2 m^3/h

Pump Station Dimensions