

DATA SHEET

CSE TV ZV G70 3/4F Pump Station



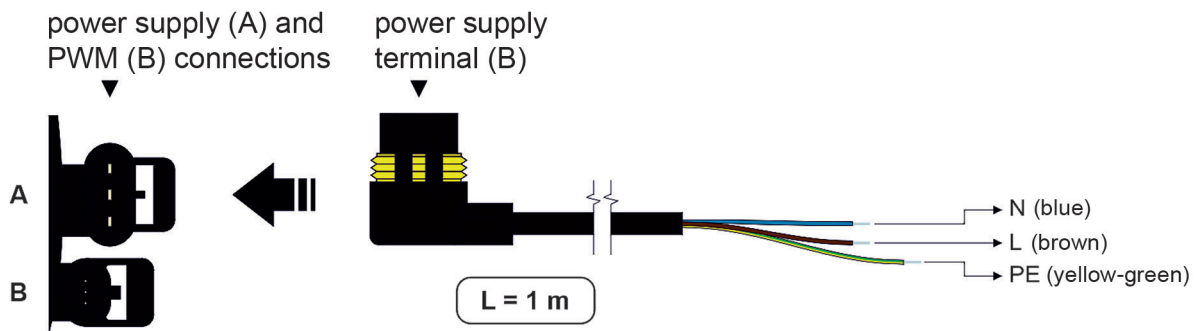
Main Features

Application	The pump station is intended for use in DHW systems. It ensures DHW recirculation or hot water supply through a heat exchanger. It consists of: <ul style="list-style-type: none"> • UPM3 DHW 15-70 pump, • 2 ball valves, check valve, • insulation, • thermometer.
Working fluid	Water, drinking water.
Installation	On piping, min. distance of the pipe axis from a wall is 100 mm.
Code	18997

Data for CSE TV ZV G70 3/4F Pump Station

Fluid working temperature	5–95 °C
Max. working pressure	10 bar
Min. working pressure	0.5 bar
Max. relative humidity	80 % non condensing
Ambient temperature	5–40 °C
Pump control	ON/OFF (I, II, III) or PWM-A (heating)
Power supply	230 V, 50 Hz
Power input (min./max.)	2/52 W
Current (min./max.)	0.04/0.52 A
Insulation material	EPP RG 60 g/l
Overall dimensions	330 x 150 x 130 mm
Total weight	2.2 kg
Connections	2 x G 3/4" F

Pump electrical wiring



Power cable is included in supply, PWM cable (2 m long) shall be ordered separately, code 16792.

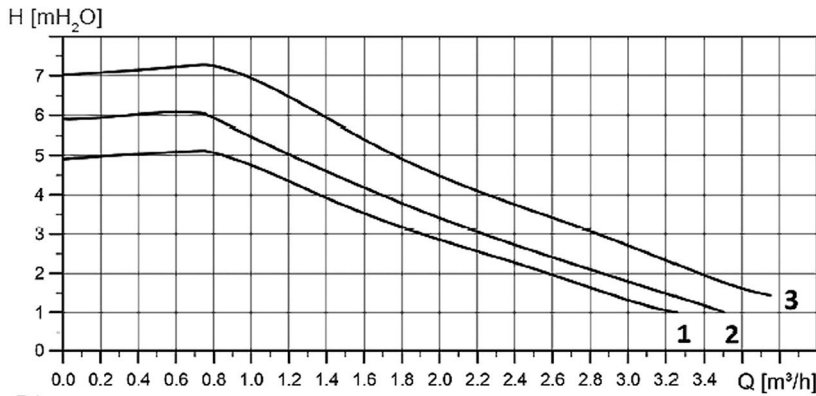
Pump control

The circulation pump can be controlled without a PWM signal by selecting a pump performance curve, or by an external PWM signal (profile for use in heating systems). With no PWM signal the pump runs at max. speed according to the selected curve. With PWM signal the pump speed changes with the signal value up to the maximum of the selected curve.

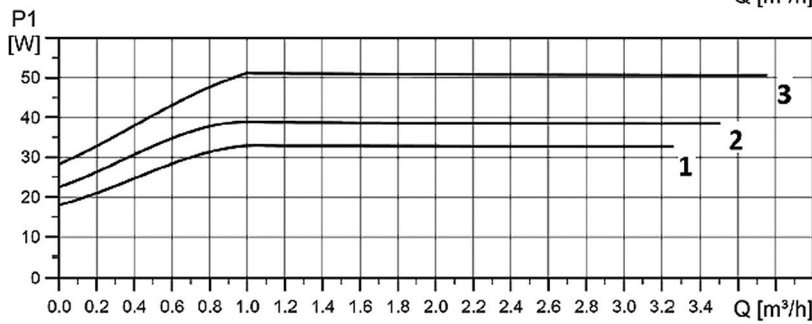
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Pump performance curves



Curve	Max. H (upper graph)	Max. P ₁ (lower graph)
1	5 mH ₂ O	33 W
2	6 mH ₂ O	39 W
3	7 mH ₂ O	52 W



Display



The diode numbering is further omitted for clarity.

Display	Performance curve	Status	Max. H (upper graph)
	1	Low performance	5 m
	2	Medium performance	6 m
	3	High performance	7 m

WARNING: The diodes may be inverted depending on the pump type.