

DATA SHEET

CSE TVMIX ZV G70 3/4M Pump Station



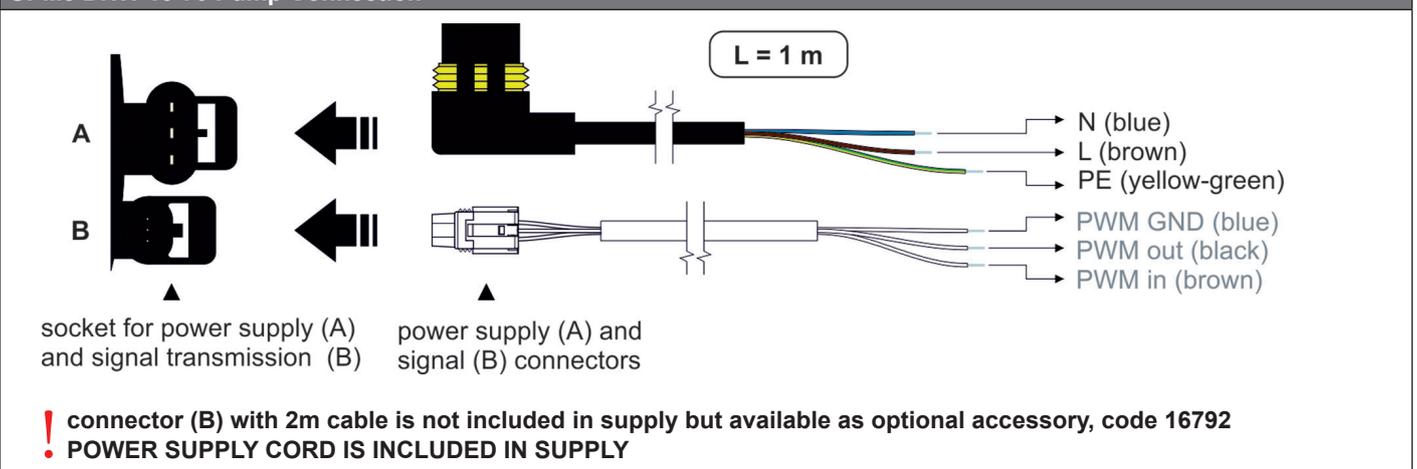
Main Features

Application	in DHW systems with recirculation
Description	consists of UPM3 DHW 15-70 pump; Tvmix anti-scald valve; housing of the recirculation connection kit; 3 check valves; connection fittings and thermometer
Working fluid	drinking water
Installation	according to the connection diagram below; flow direction indicated by arrows on the body shall be respected
Code	17893

Data for CSE TVMIX ZV G70 3/4M 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
Insulation material	EPP RG 60 g/l
Overall dimensions (L x W x H)	320 x 210 x 170 mm
Total weight	3 kg
Connections	5 x G 3/4" M

UPM3 DHW 15-70 Pump Connection



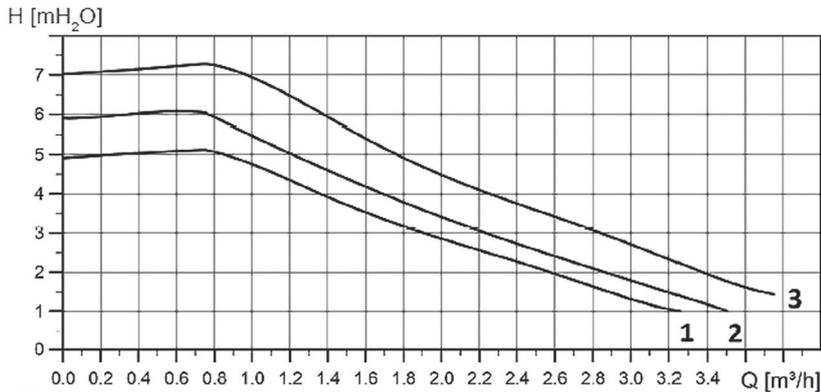
Pump control

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.

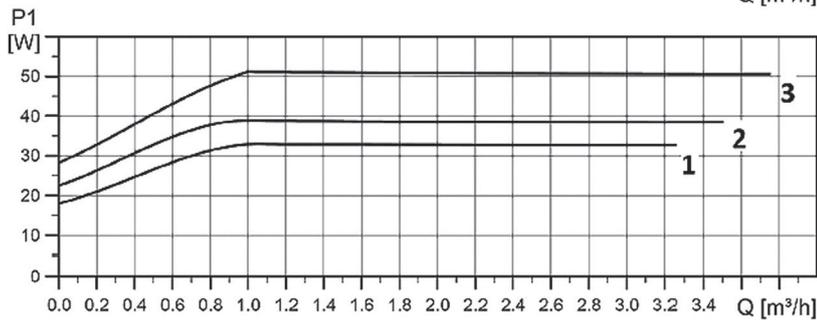
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Pump performance curves



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.

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Diagram of Pump Station Connection to a DHW Heating System

