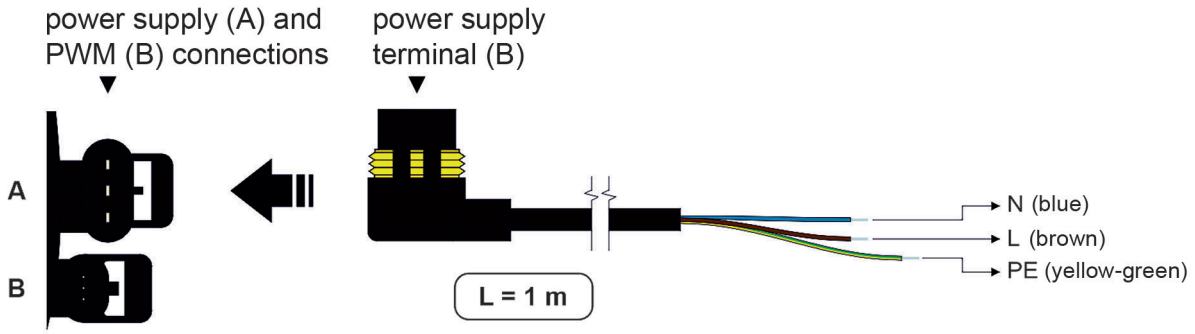
DATA SHEET

CSE TV ZV G70 1F Pump Station

Main features	
Application	Pump station intended for use in DHW heating systems. It ensures hot water recirculation, or can also ensure hot water supply to outlet points when combined with a plate heat exchanger. It consists of: ● UPM3 DHW 15-70 pump, ● check valve, ● insulation, ● thermometer.
Working fluid	Water, drinking water.
Installation	In piping, min. distance of the pipe axis from a wall is 100 mm.
Code	**15181**

Pump station data	
Fluid operating temperature	5–95 °C
Max. working pressure	10 bar
Min. working pressure	0.5 bar
Max. rel. 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	325 x 140 x 150 mm
Total weight	2.0 kg
Connection	2 x G 1" F

Connection of UPM3 DHW 15-70 Pump



Power supply cord is included in supply, PWM signal transmission cable (L = 2 m) 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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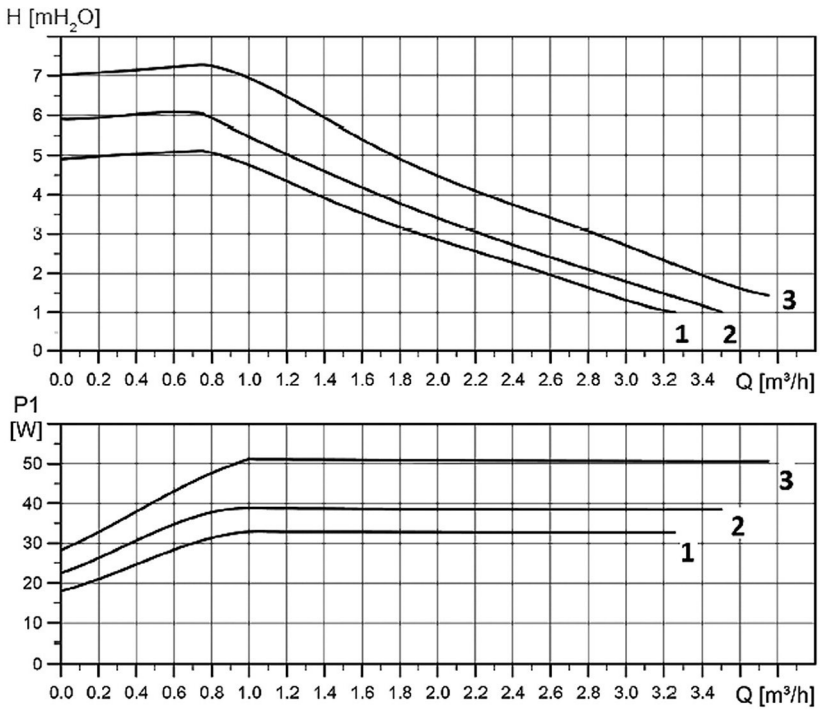
Pump performance curves



Curve	Max. H (upper graph)	Max. P_1 (lower graph)
1	5 mH_2O	33 W
2	6 mH_2O	39 W
3	7 mH_2O	52 W

Display

DISPLAY - LED MARKING

The LED numbering is further omitted for better clarity.

DISPLAY	PERFORMANCE CURVE	STATE	Max. H (upper graph)
	1	LOW PERFORMANCE	5 m
	2	MEDIUM PERFORMANCE	6 m
	3	HIGH PERFORMANCE	7,0 m

WARNING: LEDs may be mirrored, depending on the specific pump type.

REGULUS 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