

## CSE OTS ZV G Pump Station



Main features	
Application	flow to heating systems
Description	consists of UPM3 Flex AS pump, ball valve with check valve, threaded fitting with shut-off ball valve, thermometer, insulation
Working fluid	water, water-glycol mixture (max. 1:1) or water-glycerine mixture (max. 2:1)
Installation	heating circuit flow pipe, min. pipe axis to wall distance is 100 mm
<b>Code</b>	<b>15 042</b>

Pump station data	
Fluid operating temp.	2 - 110 °C
Max. working pressure	10 bar
Max. ambient temperature	70 °C
Max. relative humidity	95 % non condensing
Power supply	230 V, 50 Hz
Insulation material	EPP RG 60 g/l
Overall dimensions	325 x 140 x 150 mm
Total weight	2.85 kg
Connection	2 x G 1" F

### Ball valve with check valve

Operating data	
Max. fluid temperature	120 °C
Max. working pressure	16 bar

### UPM3 FLEX AS 25-70 Pump data

Electric data	
Power supply	230 V, 50 Hz
Power input (min./max.)	2/52 W
Current (min./max)	0.04/0.5 A
IP rating	IP44
Max. speed	5766 rpm
Weighted average power	≤ 23 W
Energy Efficiency Index	≤ 0,2 per EN 16 297/3
Motor protection	not needed

### Min. pressures at pump suction port to avoid cavitation

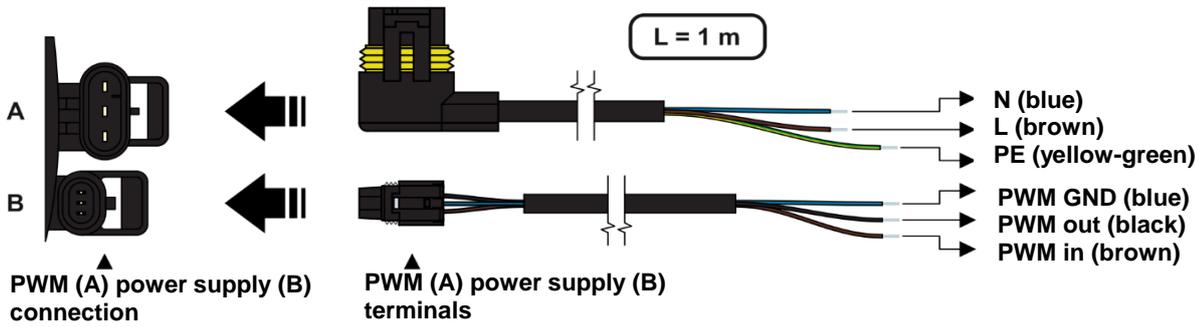
Min. pressures at suction port	0,5 mH <sub>2</sub> O at 75 °C
	5,1 mH <sub>2</sub> O bar at 95 °C
	11 mH <sub>2</sub> O at 110 °C

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**Power supply cables and PWM cables are included in supply.**

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Connection of UPM3 Flex AS Pump



Selected profile display during pump operation



- when the control button is pressed for less than 2 s, the currently selected curve is shown
- 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

UPM3 FLEX AS Pump performance curves

