

CSE OTS G Pump Station

Main features	
Application	flow to heating systems
Description	consists of UPM3 FLEX AS pump, threaded fittings with shut-off ball valve, thermometer, insulation
Working fluid	water, water/glycol mix (max. 1:1), water/glycerine mix (max. 2:1)
Installation	heating circuit flow pipe, min. pipe axis to wall distance is 100 mm
Code	15325



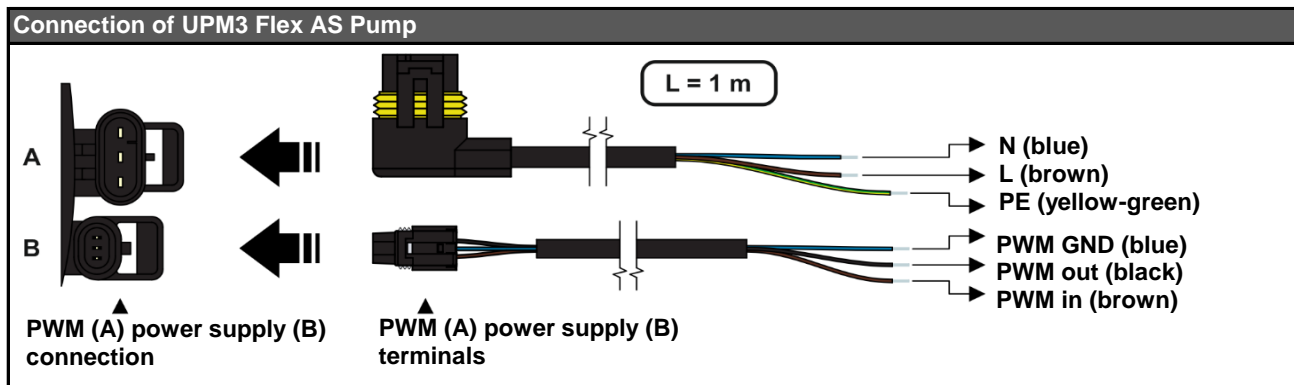
CSE OTS G Pump station data	
Fluid operating temp.	2 - 110 °C
Max. working pressure	10 bar
Max. ambient temp.	70 °C
Max. relative humidity	95 % non condensing
Power supply	230 V, 50 Hz
Insulation material	EPP RG 60 g/l
Overall dimensions	325x140x150 mm
Total weight	3,0 kg
Connection	2 x G1" F

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 ₂ O at 75 °C 5,1 mH ₂ O at 95 °C 11 mH ₂ O at 110 °C

Operating data	
Fluid operating temp.	2 - 110 °C
Max. working pressure	10 bar
Max. ambient temp.	70 °C
Max. relative humidity	95 % non condensing

Power supply cables and PWM cables are included in supply.



CSE OTS G Pump Station

Selected profile display during pump operation

control button



curve 1 (4 m)



curve 2 (5 m)



curve 3 (6 m)

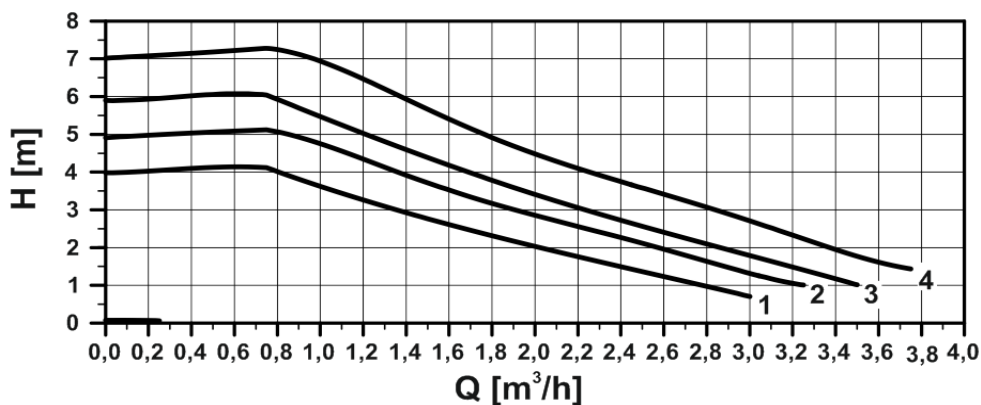


curve 4 (7 m)

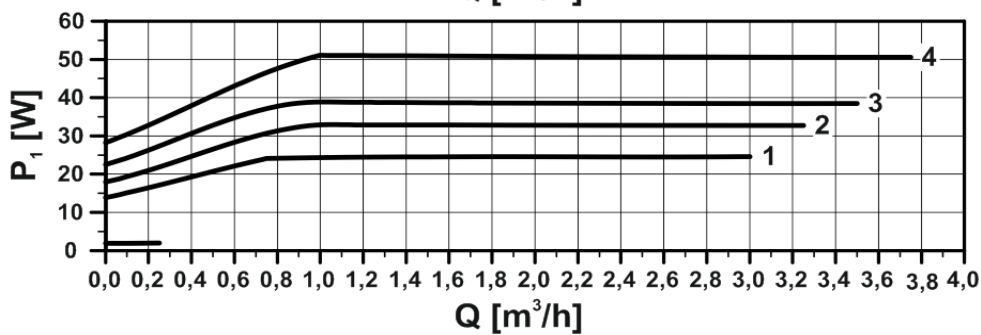


- when the control button is pressed for less than 2 s, the currently selected curve is shown
- with no PWM signal the pump runs at max. speed according to the selected curve
- with PWM signal the pump speed changes with the signal value up to the maximum of the selected curve

UPM3 FLEX AS Pump performance curves



Curve	Max. H
1	4 m
2	5 m
3	6 m
4	7 m



Curve	Max. P ₁
1	25 W
2	33 W
3	39 W
4	52 W