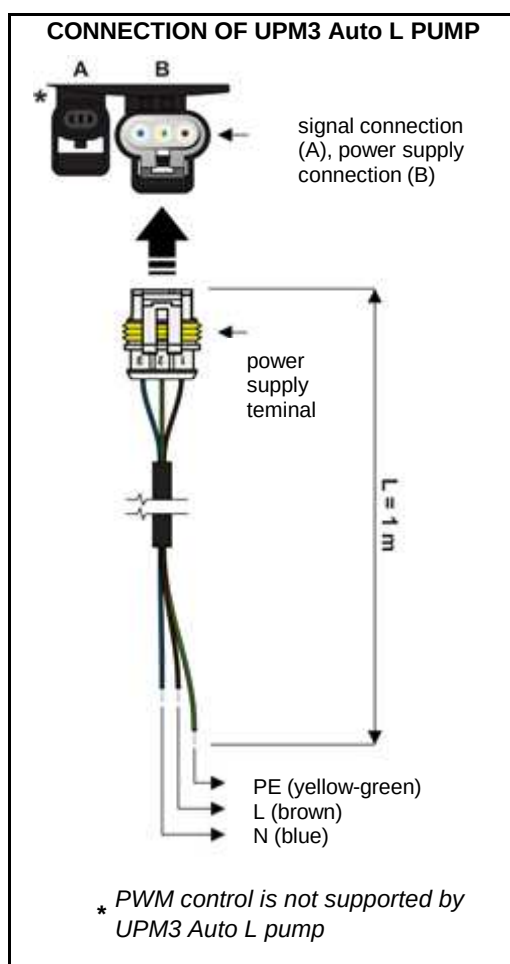


M2 MIX 3 Pump Station



Application	for mixed heating circuits
Description	consists of UPM3 Auto L 25-70 high-efficiency pump, mixing valve with actuator and 2 thermometers
Code	14 158

Pump station data	
Fluid operating temperature	2 - 110 °C
Max. working pressure	10 bar
Max. power input	52 W
Max. ambient temperature	70 °C
Max. relative humidity	95 % non condensing
Power supply	230 V, 50 Hz
Insulation material	EPP
Overall dimensions	400 x 260 x 170 mm
Center-to-center distance	125 mm
Total weight	6.2 kg
Connection	4 x G1" F

1. UPM3 Auto L Pump	
Electric data	
Power supply	230 V, 50 Hz
Power input (min./max.)	5/52 W
Current (min./max)	0.07/0.52 A
IP rating	IP44
Max. speed	5766 rpm
Weighted average power	≤ 25 W
Energy Efficiency Index	≤ 0.20 per EN 16 297/3
Motor protection	not needed

Min. pressure at pump suction port		
Min. pressure at suction	0.05 bar	at 75 °C
port as cavitation	0.5 bar	at 95 °C
prevention	1.08 bar	at 110 °C

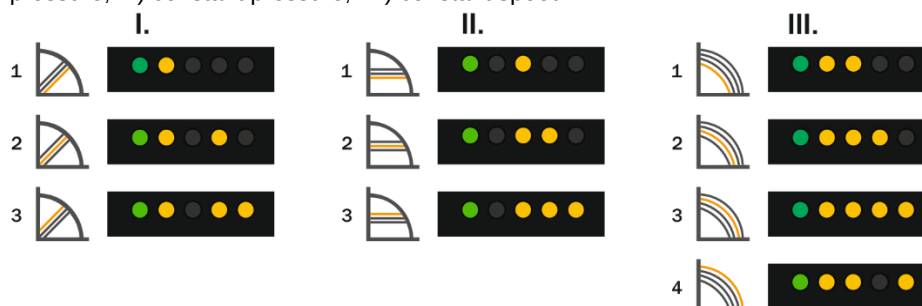
Operation data	
Fluid operating temperature	2 - 110 °C
Max. working pressure	10 bar
Ambient temperature	0 - 70 °C
Max. relative humidity	95 % non condensing

Power supply cable with terminal included.
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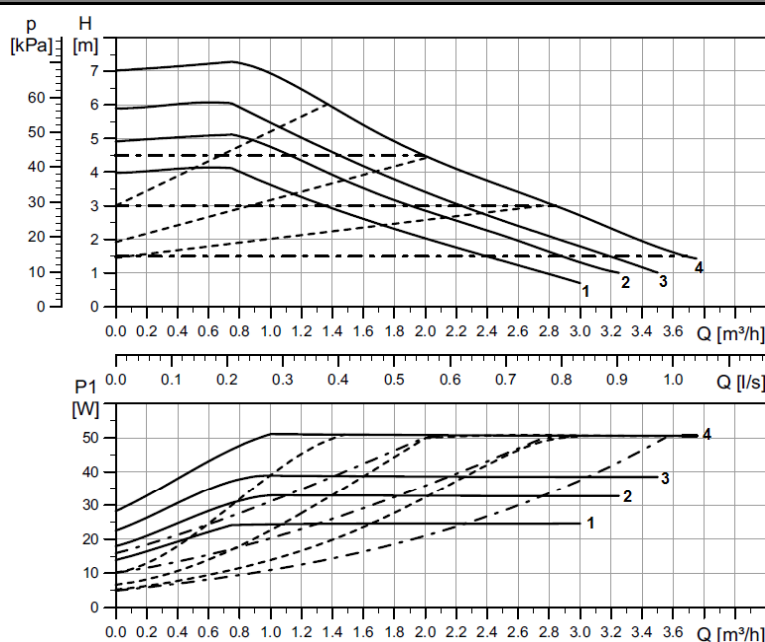
M2 MIX 3 Pump Station

Performance view during operation

I.) proportional pressure, II.) constant pressure, III.) constant speed



Performance curves for UPM3 Auto L



Curve	Max. H (upper graph)	Max. P ₁ (lower graph)
1	4 m	25 W
2	5 m	33 W
3	6 m	39 W
4	7 m	52 W



a) constant speed
b) proportional pressure
c) constant pressure

MIXING VALVE KIT



VALVE ACTUATOR



2. 3-way mixing valve with actuator

Technical data

Max. operating temperature	110 °C
Max. working pressure	10 bar
Valve Kvs	10 m³/h
Leakage rate	max. 0.05 % from K _{vs}

Materials

Valve housing	brass CW617N (CW614N)
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Actuator data

Power supply voltage	230 V
Angle of rotation	90°
Shift time	120 s
Torque	5 Nm
IP rating	IP42

M2 MIX 3 Pump Station**Mixing valve pressure drop diagram**