



QUICK GUIDE - GRUNDFOS UPM3

Page
1

PUMP SETTINGS

| | OPERATING PANEL | CONTROL MODE | |
|----|-----------------|----------------------------------|--|
| 0 | | PROPORTIONAL PRESSURE AUTO ADAPT | |
| 1 | | CONSTANT PRESSURE AUTO ADAPT | |
| 2 | | PROPORTIONAL PRESSURE 1 | |
| 3 | | PROPORTIONAL PRESSURE 2 | |
| 4 | | PROPORTIONAL PRESSURE 3 - MAX | |
| 5 | | CONSTANT PRESSURE 1 | |
| 6 | | CONSTANT PRESSURE 2 | |
| 7 | | CONSTANT PRESSURE 3 - MAX | |
| 8 | | CONSTANT CURVE 1 | |
| 9 | | CONSTANT CURVE 2 | |
| 10 | | CONSTANT CURVE 3 - MAX | |



Underfloor heating

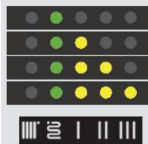


RECOMMENDATION

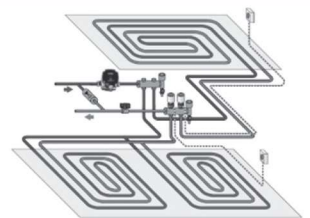
Lowest constant pressure curve or Constant Pressure Auto Adapt



SETTING INDICATION



| | | |
|--|------------------------------|--|
| | CONSTANT PRESSURE AUTO ADAPT | |
| | CONSTANT PRESSURE 1 | |
| | CONSTANT PRESSURE 2 | |
| | CONSTANT PRESSURE 3 - MAX | |



Radiator heating, one-pipe system

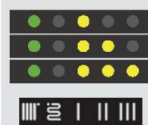


RECOMMENDATION

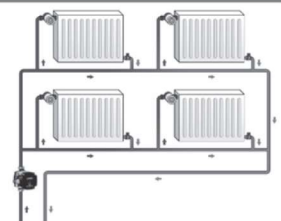
Lowest relative pressure curve



SETTING INDICATION



| | | |
|--|-------------------------------|--|
| | PROPORTIONAL PRESSURE 1 | |
| | PROPORTIONAL PRESSURE 2 | |
| | PROPORTIONAL PRESSURE 3 - MAX | |



Radiator heating, two-pipe system



RECOMMENDATION

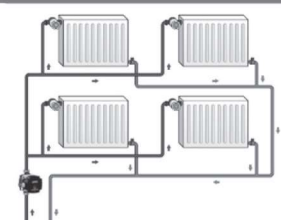
Highest relative pressure curve or Relative pressure Auto Adapt



SETTING INDICATION












| | | |
|--|----------------------------------|--|
| | PROPORTIONAL PRESSURE AUTO ADAPT | |
| | PROPORTIONAL PRESSURE 1 | |
| | PROPORTIONAL PRESSURE 2 | |
| | PROPORTIONAL PRESSURE 3 - MAX | |



Constant curves for fixed rotation speed



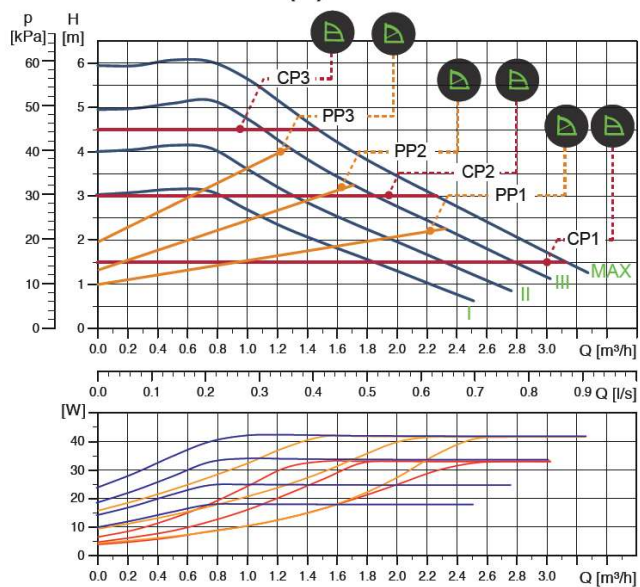
| RECOMMENDATION | SETTING INDICATION | | | | | | | | | | | | |
|---|--|------------------------|---|------------------|---|---|---|------------------|---|----|---|------------------------|---|
| <p>We recommend you use heating system specific energy optimised pump functions. Please see instructions on page 1.</p> | <table><tr><td>8</td><td><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div></td><td>CONSTANT CURVE 1</td><td></td></tr><tr><td>9</td><td><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div></td><td>CONSTANT CURVE 2</td><td></td></tr><tr><td>10</td><td><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div></td><td>CONSTANT CURVE 3 - MAX</td><td></td></tr></table> <div><div></div><div>100</div><div></div><div></div><div></div></div> | 8 | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | CONSTANT CURVE 1 |  | 9 | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | CONSTANT CURVE 2 |  | 10 | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | CONSTANT CURVE 3 - MAX |  |
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TROUBLESHOOTING

| ALARM STATUS | FAULT |
|--------------|------------------|
| | BLOCKED |
| | LOW VOLTAGE |
| | ELECTRICAL ERROR |
| | |

| FAULT | DISPLAY | SOLUTION |
|-------|---------|---|
| | | <p>Pump does not function, no power. Check that: A the power plug is plugged in, B the switch is turned on.</p> |
| | | <p>5. The LED is lit – An axle or impeller is stuck. To release the axle/impeller, press on the screw in front of the pump and turn it using a screw driver.</p> |
| | | <p>4. The LED is lit – Supply voltage too low Check the supply voltage.</p> |
| | | <p>3. The LED is lit – Supply voltage too low, severe malfunction Check the supply voltage. Replace the pump.</p> |

UPM3S 25-60 130 (N)



High efficiency

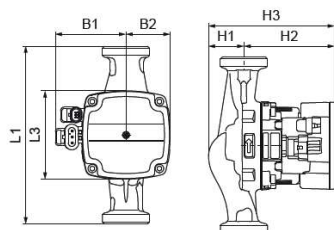
$EEl \leq 0.20$ Part 3
 $P_{avg} 7.20$ W

Performance curve

| Electrical data, 1 x 230 V, 50 Hz | | |
|-----------------------------------|-----------|--------------|
| Speed | P_1 [W] | I_{v1} [A] |
| Min. | 2 | 0.04 |
| Max. | 42 | 0.40 |

Settings

1 factory preset



Dimensions

TM06 3878 1115

Control box position



TM07 1176 1018

| Pump type | Dimensions [mm] | | | | | | | Connections [inch] | Weight [kg] |
|---------------------|-----------------|----|----|----|----|----|-----|--------------------|-------------|
| | L1 | L3 | B1 | B2 | H1 | H2 | H3 | | |
| UPM3S 25-60 130 (N) | 130 | 90 | 72 | 45 | 36 | 92 | 128 | R 1 / G 1 1/2 | 1.9 |

Technical data

| | | | |
|------------------------|---|----------------------|-------------------------------|
| System pressure | Max. 1.0 MPa (10 bar) | Enclosure class | IP44 (non-condensing) |
| Minimum inlet pressure | 0.05 MPa (0.50 bar) at 95 °C liquid temperature | Motor protection | No external protection needed |
| Liquid temperature | +2 °C to +110 °C (TF110) | Approval and marking | VDE, CE |