



Technical Specification | Peristaltic Pumps

Standard

Part No: FP2081/2

ASPEN-5/09

Dimensions:

Height: 115mm
Width: 135mm
Depth: 77mm
Weight: 1.35kg

Power Supply:

Pump rating: 0.2A, 230V AC
Alternative voltages available

Electrical Connections:

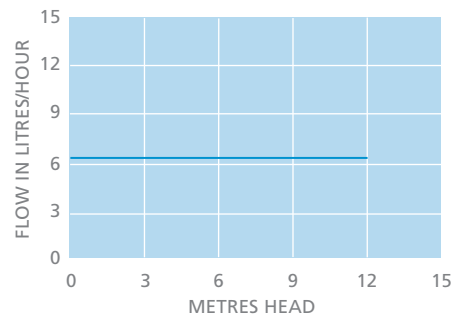
Brown: Live
Blue: Neutral
Green/yellow: Earth
Black: Switched live
from signal

Other Features:

- Operates on hard-wired 150-230V cooling signal
- Self-priming lifts 3 metres
- 3 minute timer overrun
- No siphoning back
- No loud sound from dry running
- Manual test switch
- Pumps water, fibrously contaminated water and air
- Fire retardant plastics
- Inlet/outlet size: 6mm
- Push-in plug
- Wall-mounted bracket

Performance:

- Water flow rate: 6.25ltrs/hour at 12m head
- 12 metres discharge head
- Horizontal: In excess of 100m



Service Guide:

We recommend that you inspect the pump head regularly, and change the pump head tube every 12 months or more frequently if required.



All the peristaltics now come with a wall-mounted bracket which is designed to hold a replacement head tube for your servicing convenience.



The Standard peristaltic pump is triggered by the hard-wired cooling signal from the air conditioning unit.

The Standard is designed to fit in ceiling voids and lift the condensate water from wall mounted machines where a gravity drain is too obtrusive.

The pump runs constantly while the air conditioning system is cooling – when the cooling switches off a 3 minute timer ensures that the condensate tray is emptied before the pump switches off. Rollers in the pump act as check valves to stop the condensate draining back into the condensate tray.

The Standard pump is a peristaltic rotary type - which means that it is quiet in operation, very reliable and will run dry without fear of damage or embarrassing noise. Unlike other pumps using either mechanical or electrical conductivity sensors, the Standard does not suffer from corrosion or contamination problems.



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Technical Specification | Peristaltic Pumps Universal

Part No: FP2082/2

ASPEN-5/09

Dimensions:

Height: 115mm
Width: 135mm
Depth: 77mm
Weight: 1.35kg

Power Supply:

Pump rating: 0.2A, 230V AC
Alternative voltages available

Electrical Connections:

Brown: Live
Blue: Neutral
Green/yellow: Earth

Other Features:

- Senses 5°C differential across the evaporating coil
- Only requires live/neutral supply and 2 sensors either side of the evaporating coil – one 'air on' and one 'air off'
- Self-priming lifts 3 metres
- Operates only on cooling
- 3 minute timer overrun
- No siphoning back
- No loud sound from dry running
- Manual test switch
- Pumps water, fibrously contaminated water & air
- Connecting cable: 3m (optional 8m)
- Fire retardant plastics

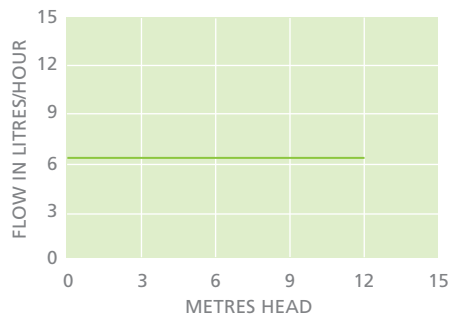
- Inlet/outlet size: 6mm
- Push-in plug
- Wall-mounted bracket



PUSH-IN PLUG

Performance:

- Water flow rate: 6.25ltrs/hour at 12m head
- 12 metres discharge head
- Horizontal: In excess of 100m



Service Guide:

We recommend that you inspect the pump head regularly, and change the pump head tube every 12 months or more frequently if required.



The Universal peristaltic pump operates with two temperature sensors. These allow the pump to detect and be triggered by a change in air temperature, making this pump suitable for many applications.

The Universal is designed to fit in ceiling voids and lift the condensate water from wall mounted machines where a gravity drain is too obtrusive.

The pump runs constantly while the air conditioning system is cooling – when the cooling switches off a 3 minute timer ensures that the condensate tray is emptied before the pump switches off.

The Universal pump is a peristaltic rotary type - which means that it is quiet in operation, very reliable and will run dry without fear of damage or embarrassing noise. Unlike other pumps using either mechanical or electrical conductivity sensors, the Universal does not suffer from corrosion or contamination problems.



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Technical Specification | Peristaltic Pumps

MK4

Part No: FP2080

ASPEN-5/09

Dimensions:

Height: 145mm
Width: 160mm
Depth: 83mm
Weight: 1.7kg

Power Supply:

Pump rating: 0.2A, 230V AC
Alternative voltages available

Electrical Connections:

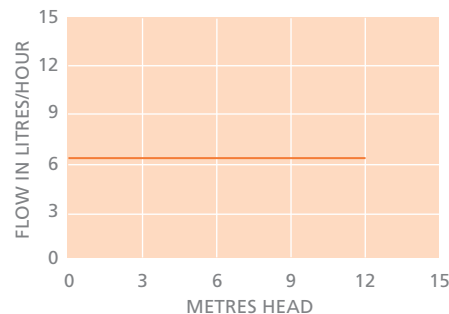
Brown: Live
Blue: Neutral
Green/yellow: Earth

Other Features:

- Self-priming lifts 3 metres
- No siphoning back
- No loud sound from dry running
- Manual test switch
- Pumps water, fibrously contaminated water and air
- Fire retardant plastics
- Inlet/outlet size: 6mm
- Push-in plug
- Wall-mounted bracket
- Operates on bead contact with water
- 3 minute timer overrun

Performance:

- Water flow rate: 6.25ltrs/hour at 12m head
- 12 metres discharge head
- Horizontal: In excess of 100m



Service Guide:

We recommend that you inspect the pump head regularly, and change the pump head tube every 12 months or more frequently if required.



The MK4 peristaltic pump operates using water level sensors. This allows the pump to detect and be triggered by the level of water in the condensate tray.

The detector has two sensors within the head which warm up to 15°C above ambient. When the lower sensor comes into contact with water, the heat conductivity from the sensor provides a temperature difference energising the pump. Once the level of the water has dropped below the tip of the sensor, the pump will continue until the sensor has completely dried out.



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Technical Specification | Peristaltic Pumps Mechanical

Part No: FP2078 / FP2079 (with alarm)

ASPEN-5/09

Dimensions:

Height: 145mm
Width: 160mm
Depth: 83mm
Weight: 1.7kg

Power Supply:

Pump rating: 0.2A, 230V AC
Alternative voltages available

Electrical Connections:

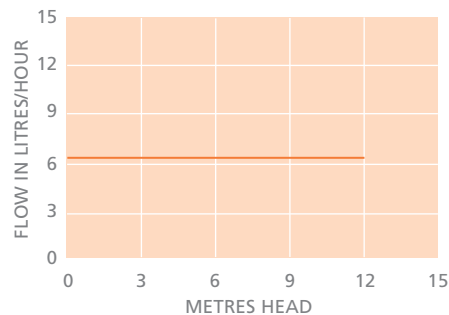
Brown: Live
Blue: Neutral
Green/yellow: Earth

Other Features:

- Self-priming lifts 3 metres
- No siphoning back
- No loud sound from dry running
- Manual test switch
- Pumps water, fibrously contaminated water and air
- Fire retardant plastics
- Inlet/outlet size: 6mm
- Push-in plug
- Wall-mounted bracket
- Operates on a float switch
- 2 reservoir options available
- Available with an alarm option

Performance:

- Water flow rate: 6.25ltrs/hour at 12m head
- 12 metres discharge head
- Horizontal: In excess of 100m



Service Guide:

We recommend that you inspect the pump head regularly, and change the pump head tube every 12 months or more frequently if required.



The Mechanical peristaltic pump operates by using a remote reservoir with an internal float mechanism. It is available with or without a high level alarm output.

The pump is designed to be mounted remotely if required and has a 3 metre (9.8ft) lead to the float switch. Simply position the float switch in the condensate tray or fix to the drain-pipe connection (depending on chosen reservoir). Then connect the reservoir to the pump.



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Technical Specification | Peristaltic Pumps

Compressor Sensor

Part No: FP2584

ASPEN-5/09

Dimensions:

Pump

Height: 145mm
Width: 160mm
Depth: 83mm
Weight: 1.7kg

Sensor

Height: 126mm
Width: 22mm
Depth: 16mm
Weight: 0.1kg

Power Supply:

Pump rating: 0.2A, 230V AC
Alternative voltages available

Electrical Connections:

Brown: Live
Blue: Neutral
Green/yellow: Earth

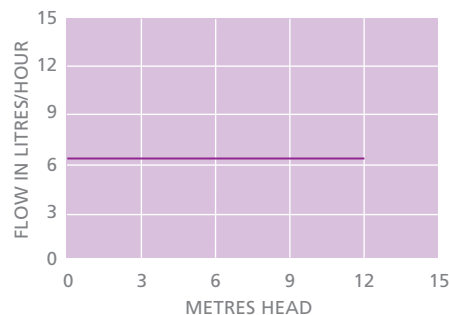
Other Features:

- Operates on 150-230V compressor signal
- Self-priming lifts 5 metres
- 3 minute timer overrun
- No siphoning back
- No loud sound from dry running
- Manual test switch
- Pumps water, fibrously contaminated water and air
- Fire retardant plastics

- Inlet/outlet size: 6mm
- Push-in plug
- Wall-mounted bracket
- Mains cable: 3 metres
- Sensor cable: 10 metres

Performance:

- Water flow rate:
6.25ltrs/hour at 12m head
- 12 metres discharge head
- Horizontal: In excess of 100m



Service Guide:

We recommend that you inspect the pump head regularly, and change the pump head tube every 12 months or more frequently if required.



Ideal for applications where complete silence is important.

The Compressor Sensor pump is triggered by a sensor, which is designed to be mounted onto the compressor in an external condenser unit. When the air conditioning system starts up, the compressor produces a localised electromagnetic field, triggering the sensor, which in turn activates the peristaltic pump. The pump runs constantly while the compressor is operational. When the compressor switches off, a 3 minute timer ensures that the condensate tray is emptied before the pump switches off. Rollers in the pump act as check valves to stop the condensate draining back into the condensate tray.

The pump can either be fitted in the ceiling void or installed within the condenser unit (or nearby), as long as the pump and its plug/socket are sheltered and fully protected from any water ingress. The pump can be mounted remotely in this way, as it is self-priming to a height of 5m and will pump 6.25L/h of water against a maximum head of 12m.



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