



# Technical Specification | Tank Pumps

## Hi-flow 1L & 2L

Part No: 1L FP2096 / 2L FP2122

ASPEN-5/09

### Dimensions:

#### Hi-flow 1L

Height: 140mm  
Width: 235mm  
Depth: 140mm  
Weight: 1.7kg

#### Hi-flow 2L

Height: 170mm  
Width: 235mm  
Depth: 140mm  
Weight: 1.75kg

### Power Supply:

Pump rating: 0.6A, 230V AC  
Alternative voltages available

### Electrical Connections:

Brown: Live  
Blue: Neutral  
Green/yellow: Earth  
2 x Black: Safety switch

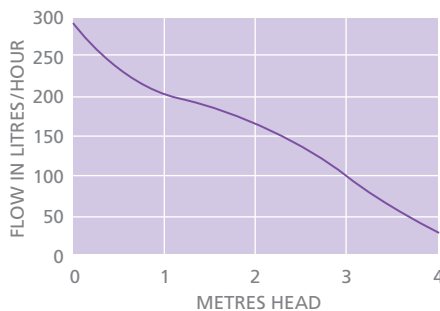
### Other Features:

- Tank capacity: 1 litre or 2 litres
- Inline valve to prevent siphoning back
- Pre-wired safety float switch
- Clear deck for quick and easy inspection
- Incorporated back-plate for vertical mounting
- Auto-resetting thermal cut-out to shaded pole motor
- Connecting cable: 2 metres

- Safety switch 4.0A max
- Fire retardant plastics
- 2 inlet positions: 25mm  $\varnothing$
- Outlet size: 6mm x 10mm

### Performance:

- Water flow rate: 288 litres per hour max
- 4.6 metres discharge head



### Hi-flow 1L & 2L

VERTICAL PUMPING HEAD	HORIZONTAL			
	30m	60m	90m	1/4" Bore Hose
3m	15.5	9	6.5	Ltr/Hr
2m	23.5	14.5	11	Ltr/Hr
1m	33	20.5	16	Ltr/Hr

### Service Guide:

Flush the pump thoroughly with anti-bacterial wash every 6 months to avoid sludge build-up in the pump housing.



Aspen's Hi-flow tank pumps are designed to collect condensate water from refrigeration and air conditioning units. They operate automatically when the float rises and will discharge to a head of 4.6 metres.

**The Hi-flow will pump a greater volume of water than the Hi-lift, but to a lesser head.**

The Hi-flows incorporate two high quality switches, activated by a float system. One operates the centrifugal type pump and the other is used as a high level safety switch. In the event of a pump failure this device will switch off the refrigeration unit and can simultaneously activate an optional audio and/or visual alarm.

The deck of the pump is clear plastic for quick and easy internal inspection, and it comes with a 2 metre long cable with push in plug which makes installation and maintenance easier.

In all cases a tank pump must be sited under the source of the condensate. It can be used on cassettes fitted with an internal lift pump and condensing boilers.



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# Technical Specification | Tank Pumps

## Hi-lift 1L & 2L

Part No: 1L FP2099 / 2L FP2071

ASPEN-5/09

### Dimensions:

#### Hi-lift 1L

Height: 132mm  
Width: 235mm  
Depth: 140mm  
Weight: 1.8kg

#### Hi-lift 2L

Height: 165mm  
Width: 235mm  
Depth: 140mm  
Weight: 2kg

### Power Supply:

Pump rating: 0.4A, 230V AC  
Alternative voltages available

### Electrical Connections:

Brown: Live  
Blue: Neutral  
Green/yellow: Earth  
2 x Black: Safety switch

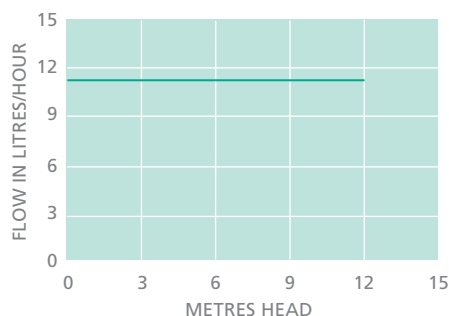
### Other Features:

- Tank capacity: 1 litre or 2 litres
- No siphoning back
- No loud sound from dry running
- Requires 230V supply only
- Clear deck for quick and easy inspection
- Fits into shallow ceiling void or unit
- Incorporated back-plate for vertical mounting

- Pumps water, fibrously contaminated water and air
- 4 amps pre-wired safety switch
- Fire retardant plastics
- 2 inlet positions: 25mm  $\varnothing$
- Outlet size: 6mm

### Performance:

- Water flow rate: 11 litres per hour @ 12 metres
- 12 metres discharge head
- Horizontal: In excess of 100m



### Service Guide:

Inspect the pump head regularly and change the pump head tube every 12 months or more frequently if required. Flush the pump thoroughly with anti-bacterial wash every 6 months to avoid sludge build-up in the pump. This only takes 3 minutes!



Aspen's Hi-lift tank pumps are designed to collect condensate water from refrigeration and air-conditioning units. They operate automatically when the float rises to discharge to a head of 12 metres.

**The Hi-lift will pump a smaller volume of water than the Hi-flow, but to a greater head.**

The pumps incorporate two high quality switches, activated by a float system. One operates the peristaltic type pump and the other is used as a high level safety switch. In the event of a pump failure this device will switch off the refrigeration unit and can simultaneously activate an optional audio and/or visual alarm.

The 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 Hi-lift does not suffer from corrosion or contamination problems. The deck of the pump is clear plastic for quick and easy internal inspection. It is particularly suitable for condensing boilers and can be used on cassettes fitted with an internal lift pump.



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Technical Specification | Tank Pumps

# Heavy Duty 6m

Part No: FP2074

ASPEN-5/09

## Dimensions:

Height: 205mm  
Width: 300mm  
Depth: 150mm  
Weight: 3.5kg

## Power Supply:

Pump rating:  
230V AC, 1.5A, 110W  
Alternative voltages available

## Electrical Connections:

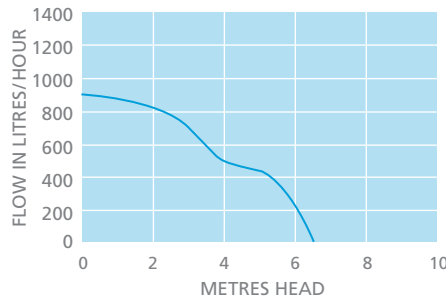
Brown: Live  
Blue: Neutral  
Green/yellow: Earth  
2 x Black: Safety switch

## Other Features:

- Tank capacity: 4 litres
- Non-return valve
- No siphoning back
- 4 amps pre-wired safety switch
- Plastic tank and pump unit  
fire retardant plastics
- 2 inlet positions: 40mm  $\varnothing$
- Outlet size: 10mm

## Performance:

- Water flow rate:  
900 litres/hour
- 6 metre discharge head



## Service Guide:

Flush the pump thoroughly with anti-bacterial wash every 6 months to avoid sludge build-up in the pump housing.



The Aspen Heavy Duty pumps are designed for the rapid removal of condensate. They are particularly useful in situations where multiple refrigeration units are installed, or where large refrigeration systems deposit considerable quantities of condensate at one time.

The pump unit is robustly constructed and designed to give reliable performance. This is particularly important in environments where efficient cleanliness is of utmost importance. Two floats provide the operational control, one to operate the pump, and the other a safety float to be wired into the refrigeration unit control circuit.

**The Heavy Duty tank pumps have a greater water flow rate than the Hi-flow tank pumps, for more heavy duty applications.**



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Technical Specification | Tank Pumps

# Heavy Duty 10m

Part No: FP2066

ASPEN-5/09

## Dimensions:

Height: 265mm  
Width: 300mm  
Depth: 150mm  
Weight: 4.3kg

## Power Supply:

Pump rating:  
230V AC, 0.49A, 150W  
Alternative voltages available

## Electrical Connections:

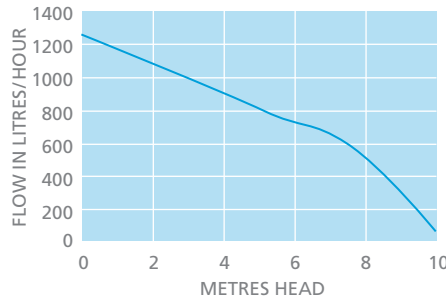
Brown: Live  
Blue: Neutral  
Green/yellow: Earth  
2 x Black: Safety switch

## Other Features:

- Tank capacity: 4 litres
- Non-return valve
- No siphoning back
- 4 amps pre-wired safety switch
- Plastic tank and pump unit  
fire retardant plastics
- 2 inlet positions: 40mm  $\varnothing$
- Outlet size: 10mm

## Performance:

- Water flow rate:  
1250 litres/hour
- 10 metre discharge head



## Service Guide:

Flush the pump thoroughly with anti-bacterial wash every 6 months to avoid sludge build-up in the pump housing.



The Aspen Heavy Duty pumps are designed for the rapid removal of condensate. They are particularly useful in situations where multiple refrigeration units are installed, or where large refrigeration systems deposit considerable quantities of condensate at one time.

The pump unit is robustly constructed and designed to give reliable performance. This is particularly important in environments where efficient cleanliness is of utmost importance. Two floats provide the operational control, one to operate the pump, and the other a safety float to be wired into the refrigeration unit control circuit.

**The Heavy Duty tank pumps have a greater water flow rate than the Hi-flow tank pumps, for more heavy duty applications.**



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# Technical Specification | Tank Pumps

## Hot Water Economy

Part No: FP2092

ASPEN-5/09

### Dimensions:

Height: 205mm  
Width: 300mm  
Depth: 150mm  
Weight: 3.6kg

### Power Supply:

Pump rating:  
230V AC, 1.5A, 110W  
Alternative voltages available

### Electrical Connections:

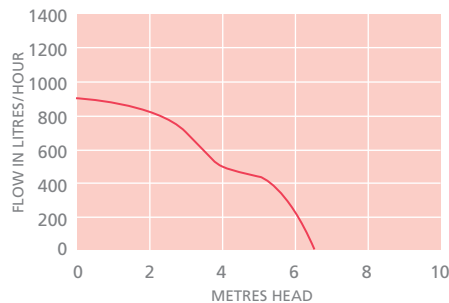
Brown: Live  
Blue: Neutral  
Green/yellow: Earth  
2 x Black: Safety switch

### Other Features:

- 2 metres connecting cable
- Tank capacity: 4 litres
- Pre-wired safety switch 230V, 4A max
- Max. water temp: 100°C
- Fire retardant plastics
- No non-return valve supplied
- 2 inlet positions: 40mm  $\varnothing$
- Outlet size: 10mm

### Performance:

- Water flow rate:  
900 litres per hour
- Maximum discharge head:  
6 metres



### Service Guide:

Flush the pump thoroughly with anti-bacterial wash every 6 months to avoid sludge build-up in the pump housing.



**The Hot Water pump is designed to collect hot water from dehumidifier drain down cycles and normal condensate water from any associated air conditioning or boiler systems.**

The pump unit is built of heat resistant cyclopy and operates in the same way as the Heavy Duty tank pumps.



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# Technical Specification | Tank Pumps

## Hot Water Heavy Duty

Part No: FP2132

ASPEN-5/09

### Dimensions:

Height: 160mm  
Width: 355mm  
Depth: 320mm  
Weight: 7kg

### Power Supply:

Pump rating: 230V AC, 1.1A  
Alternative voltages available

### Electrical Connections:

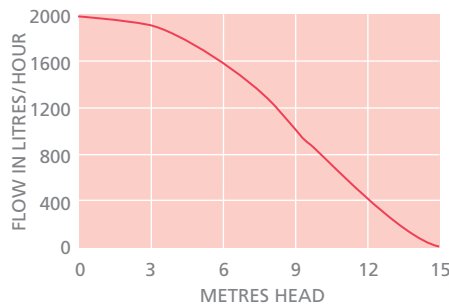
Brown: Live  
Blue: Neutral  
Green/yellow: Earth  
2 x Black: Safety switch

### Other Features:

- 2 metres connecting cable
- Tank capacity: 5 litres
- Pre-wired safety switch  
230V, 4A max
- Max. water temp: 100°C
- 2x non-return check valves
- 2 inlet positions: 40mm  $\varnothing$
- Outlet size: 15mm

### Performance:

- Water flow rate:  
1800 litres per hour
- Maximum discharge head:  
15 metres



### Service Guide:

Flush the pump thoroughly with anti-bacterial wash every 6 months to avoid sludge build-up in the pump housing.



**The Hot Water pump is designed to collect hot water from dehumidifier drain down cycles and normal condensate water from any associated air conditioning or boiler systems.**

The internal pre-wired safety float is a low current switch to stop the drain down cycle in the unlikely event of pump failure. The pump is operated via internal float switches.



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