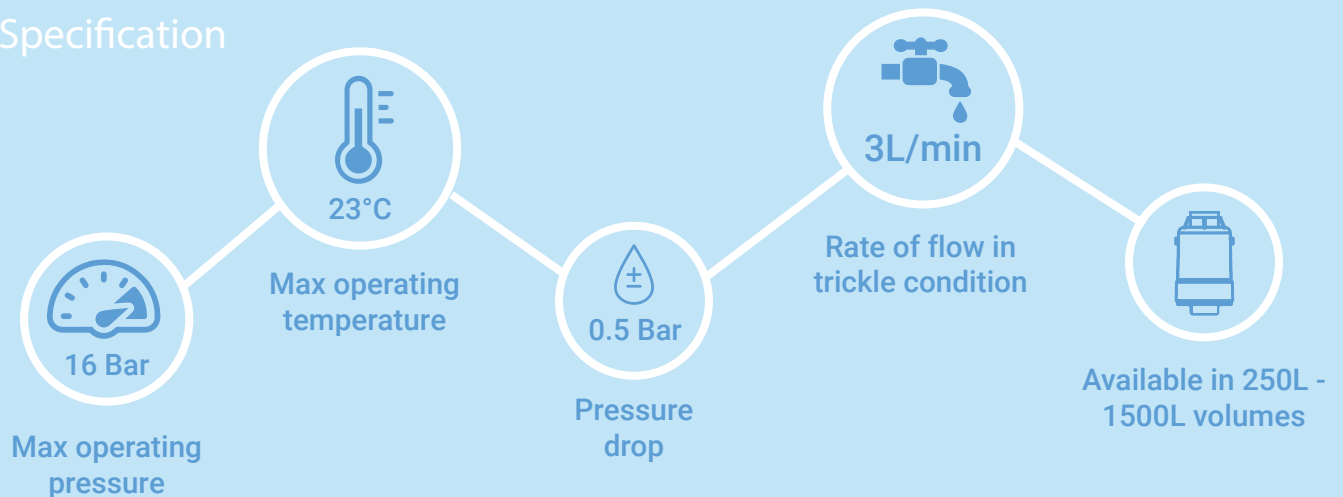
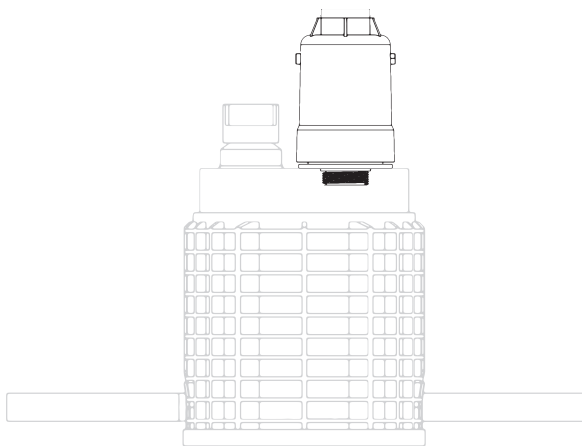


## floSTEM® Meter Shield Datasheet

### Specification



*WRAS approved materials  
Manufactured to MID class "C" Q1 < Q2\*\*  
Additional frost protection available*



### Testing carried out by floSTEM

Fitment to existing meter boxes and connections:

**VERIFIED BY SES WATER**

Fitment to existing meter tools:

**VERIFIED BY SES WATER**

Pressure test:

**VERIFIED BY SES WATER**

No ingress of contaminants during immersion:

**PASS**

\* The 'Trickle valve' condition occurs after the Meter Shield has been 'Tripped'. The 'Trip' condition occurs once 250 - 1500 litres of water has passed through the device or if the Meter Shield button is forcibly held down. The device will reset and deliver further 250 - 1500 litres of water only when the button is released and pushed to reset.

\*\*MID certification is not required as water used from Meter Shield is not billable.

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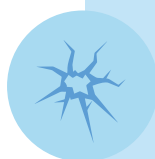
## floSTEM Meter Shield Datasheet



### Reduces residential Voids, commercial GAPS and 'Empty' properties

The 'Meter Shield' is designed specifically to enable the UK water authorities to provide full flow water to empty newly built and existing properties, domestic and commercial.

The 'Meter Shield' is installed in place of a water meter, where the mains water supply for the property is connected. When fitted to an existing "empty" property, the "new occupier" will have 'temporary' access to full flow volumes of 250 litres of water with unrestricted flow rates. Prevents unauthorised use of water while still providing full flow water to both commercial and domestic property.



### floSTEM Meter Shield Visualisation

### Limits water loss/damage

Fitting of the 'Meter Shield' will limit the loss of water caused by unauthorised use and the failure of plumbing fittings which in turn will minimise the damage caused.



### Aids recovery of water debt

With UK water debt at around £1.5 billion the 'Meter Shield' can be used to aid recovery of debt from unpaid bills. Installation into a property where the occupier fails to pay the bills will provide temporary access to water.

Registered Co No:  
Registered Address:

08906130  
Flostem Ltd.  
The Chapel,  
58 London Street,  
Whitchurch,  
Hampshire,  
RG28 7LN  
GB 267 5983 45

VAT No:

## floSTEM® Meter Shield Datasheet

### 1.1 Device Description

The 'Meter Shield' is designed specifically to enable the UK water authorities to provide full flow water to empty newly built and existing properties, domestic and commercial.

The 'Meter Shield' is installed in place of a water meter, where the mains water supply for the property is connected. When fitted to an existing "empty" property, the "new occupier" will have 'temporary' access to full flow volumes of 250 litres of water with unrestricted flow rates. Prevents unauthorised use of water while still providing full flow water to both commercial and domestic property.

### 1.2 Device Specification



16 Bar Max Operating Pressure



Fully reusable



0.5 Bar Pressure Drop



3L/min flow rate in trickle condition



23C Max Operating Temperature



Available in 250L to 1500L volumes

### 1.3 Device Data

The 'Trickle valve' condition occurs after the Meter Shield has been 'Tripped'. The 'Trip' condition occurs once 250 - 1500 litres of water has passed through the device or if the Meter Shield button is forcibly held down, thus making the device anti jam. The device will reset and deliver further 250 - 1500 litres of water only when the button is released and pushed to reset. The device also features:

- WRAS approved materials
- Additional frost protection available
- Manufacturing to MID class "C" Q1 < Q2

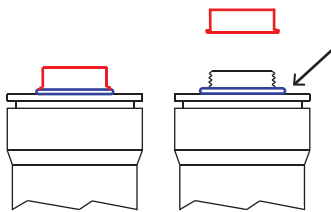
MID certification is not required as water used from Meter Shield is not billable.

## floSTEM® Meter Shield Datasheet

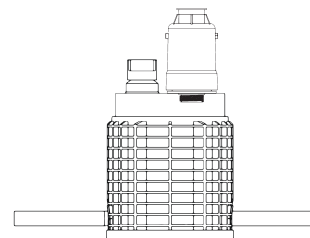
### 1.4 Device Operation

The following documentation outlines the basic operation of the floSTEM Meter Shield device.

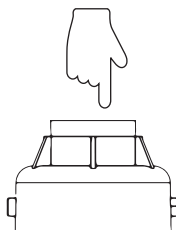
**Step 1** - Remove the red cap from the end of the device and check the O-ring is present and secure



**Step 2** - Screw the device into the boundary box



**Step 3** - Press the top button to zero the device



**Step 4** - Water will flow until the maximum volume is reached. At this point the flow rate will drop to approximately 25% of the maximum



**Step 5** - To reset the device, push the top button again

*Note: If the device is pushed part way through the cycle, the device will begin measuring again from 0L*

### 1.5 Device Testing

Fitment to existing meter boxes and connections:

**VERIFIED BY SES WATER**

Fitment to existing meter tools:

**VERIFIED BY SES WATER**

Pressure test:

**VERIFIED BY SES WATER**

No ingress of contaminants during immersion:

**PASS**

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