



**Installation Instructions /  
Operating & Maintenance Manual  
DC Pipe Interrupter  
Models - DC15C257, DC15F257,  
DC20F257 & DC20FM257**



*Models shown – DC15C257 & DC20F257*

**FOREWORD**

DC Pipe Interrupters provide Fluid Category 5 backsiphonage protection (vacuum on the supply) for open outlet applications..

Model DC15C257 is primarily for urinals – enabling flushing directly from the mains supply. Model DC15F257 can be fitted to most standard laboratory taps that have a removable nozzle with ½” BSP thread. Models DC20F257 and DC20FM257 fit to a ½” outside tap.

**SUPPORTING LITERATURE**

DC257 Pipe Interrupter Datasheet

WRAS guidance for use of DC devices at caravan and camping sites

**1.0 INSTALLATION – DC15C257**

- 1.1 The DC15C257 must be installed at least 300 mm (150 mm with Interpretation B39) above the highest outlet or spillover level.
- 1.2 It must be installed 150 mm (minimum) above the sparge outlet but 1.0 – 2.0 m is recommended to reduce the possibility of discharge through the vent holes.
- 1.3 The DC Device and connecting downstream pipes must be mounted vertically with the arrow pointing in the direction of flow.
- 1.4 No valves should be fitted downstream of the DC Pipe Interrupter.
- 1.5 Model DC15C257 is for use in urinal systems only.
- 1.6 Normally an AFL Flow Limiting Valve should be installed above the DC Device to prevent any major blockages.

**2.0 INSTALLATION – DC15F257**

- 2.1 The DC Device is to be screwed to the outlet of a laboratory tap that has had the removable nozzle taken off.

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## Operating & Maintenance Manual – DC Pipe Interrupter - Arrow Valves

- 2.2 An unrestricted hose can be fitted
- 2.3 The hose pipe, if fitted, must have a length of at least 150 mm between the DC Device and the outlet or spillover level.
- 2.4 No restriction should be fitted at the outlet of the hose.

### 3.0 INSTALLATION – DC20F257 & DC20FM257

- 3.1 The DC Device is to be screwed to the outlet of a 1/2" outside tap.
- 3.2 A short (600 mm max.) unrestricted hose can be fitted.
- 3.3 The hose pipe, if fitted, must have a length of at least 150 mm between the DC Device and the outlet or spillover level.
- 3.4 No restrictions should be fitted at the outlet of the hose, such as a spray or nozzle.
- 3.5 Installing the DC Pipe Interrupter reduces the water pressure, which makes it unsuitable where a strong jet of water is required.

### 4.0 MAINTENANCE

- 4.1 Ensure all holes are clear of debris to maximise efficiency.
- 4.2 If there is no flow of water after the DC Device, the small inlet hole may be blocked.
- 4.3 If there is no obvious blockage but water is discharging from the vent holes of the DC Pipe Interrupter, the sparge outlet may be blocked.
- 4.4 Any trapped debris may be pushed out through the hole but in extreme circumstances, the DC Device may need to be removed from the system to be cleaned.

