

Pipe Interrupter – Type DC

Model DC257 – With Permanent Atmospheric Vent - Datasheet

Description

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

Model DC15C257 is primarily for urinals – enabling flushing directly from the mains supply. Traditional flushing cisterns are not required. Model DC20F257 fits to an outside tap. A **short (600 mm max) unrestricted hose** can be fitted for washing chemical toilets and similar Fluid Category 5 applications.

DC Pipe Interrupters are intended for **open outlet** applications (e.g. urinal flushing) and must not be used for washing machines, upstream of hose union taps or any appliance that has a control valve or restriction. Negligible restriction should exist downstream - otherwise water would discharge ultimately through the vent hole.

Connection Pipes

15 mm comp. Remove nuts to create ½" male connections. ¾" female for fitting to outlet of most ½" (15 mm) outside taps.

Specification

Pressure Supply 10 bar max.
 Temperature 60°C max.
 Approval KIWA UK 1011708

Materials

Body Brass – (Chrome Finish on 15 mm)
 Nozzle Brass

Applications

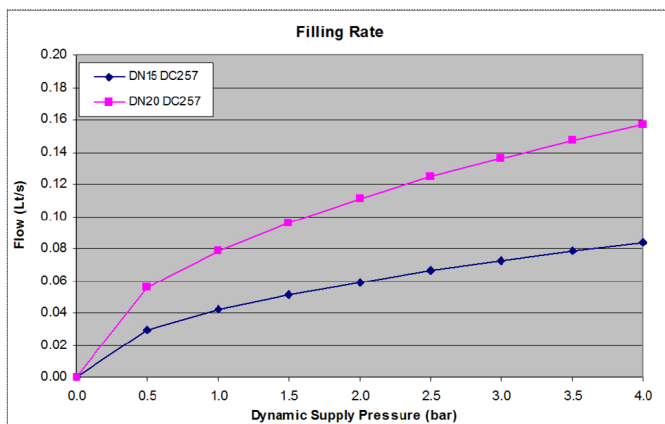
15 mm - urinal flushing, where the DC device allows mains or boosted water to flush the urinal bowl without a cistern.
 DN20 – rinsing effluent containers – screw to outlet of outside tap. A short, unrestricted hose may be fitted.

Installation

DC Pipe Interrupters will discharge water through the vent hole if the outlet is significantly restricted or blocked. The device must be mounted vertically with the inlet at the top. Note flow direction arrow.

The device must be installed at least 300 mm above the highest outlet or spillover level and at least 150 mm above the outlet. **In practice, the 15 mm device generally needs to be mounted 1.0 – 2.0 m above the sparge outlet.** This creates a greater head, reducing the possibility of discharge through the vent holes.

Do not fit any valves downstream of the DC Device. The downstream pipe should be vertical and initially full bore.



Model DC15C257



Model DC20F257

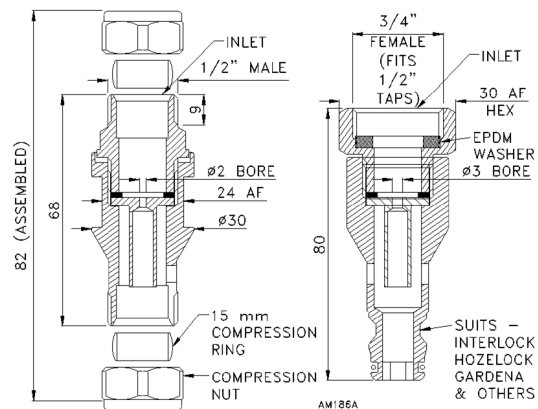
Water Regulations

The new Water Regulations allow approved DC Pipe Interrupters to be used for Fluid Category 5 Applications.

The 15 mm version is intended for urinals and Regulation Table S15.2 states – “Arrangements incorporating a type DC device shall have no control valves on the outlet of the device; they shall be fitted not less than 300 mm above the spillover level of a WC pan, or 150 mm above the sparge outlet of a urinal, and discharge vertically downwards.”

Model DC20F257 – see WRAS guidance February 2010 - Information for installation of DC devices at caravan and camping sites. The hose outlet must be at least 150 mm below the DC device.

Dimensions



Codes and Descriptions

Size	Code	Description
15 mm	DC15C257	Pipe Interrupter DC CAT5 Model 257 Comp
DN20 in	DC20F257	Pipe Interrupter DC for Hose Union Tap

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Arrow Valves Ltd reserve the right to change specifications, design and materials at any time without notice.
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