



TI-P155-02
CMGT Issue 7

DF1 Diffuser

Description

The Spirax Sarco diffuser is a compact unit designed to be fitted to the outlet of a steam or air trap discharging to atmosphere. The diffuser reduces the problem of noise and erosion by cushioning high velocity discharge. It can be fitted to any trap where conditions promote blast discharge similar to that associated with balanced pressure, inverted bucket or thermodynamic traps. A reduction of more than 80% of sound pressure level can be expected measured at 1 metre from the discharge point.

Standards

This product fully complies with the requirements of the European Pressure Equipment Directive 2014/68/EU.

Limiting conditions

Suitable for use with traps rated up to PN63.

Sizes and pipe connections

½" and ¾" screwed BSP T Rp (ISO 7-1) or NPT (inlet only).

½" and ¾" socket weld end (inlet only).

Materials

No.	Part	Material	
1	Case	Stainless steel	ASTM A 240 Gr. 304
2	End boss screwed	Stainless steel	ASTM A 276 Gr. 304L
	Socket weld	Stainless steel	ASTM A 276 Gr. 304
3	Internals	Stainless steel	ASTM A 580 Gr. 304

Dimensions/weights (approximate) in mm and kg

Size	A	B	C	Weight
½"	59	40	32	0.23
¾"	60			

Safety information, installation and maintenance

For full details see the Installation and Maintenance Instructions (IM-P155-07) supplied with the product.

Installation

The diffuser should be fitted on the outlet side of a steam trap or air trap with a suitable fitting to ensure that the discharge of condensate is towards the ground or some safe enclosure. The recommended distance for the outlet of the diffusers to the ground is a maximum of 100 mm (4"). The discharge from the DF1 must be facing vertically downwards.

How to order

Example: 1 off Spirax Sarco ½" DF1 diffuser having a screwed BSP T Rp (ISO 7-1) connection.

