

spirax sarco®

Trap Diffusers DF1 and DF2

The **DF1 and DF2 Trap Diffusers** are compact units designed to be fitted to the outlet of a steam or liquid drain trap. The DF1 reduces noise and erosion by cushioning high velocity discharge, while the DF2 reduces the problem of waterhammer when the flash steam formed on discharge from a steam trap condenses due to rapid cooling.

Model ⇄	DF1	DF2
Sizes	1/2" & 3/4"	
Connections	NPT & SW (inlet only)	NPT
Construction	Stainless Steel	
Options	BSP Connection	

TYPICAL APPLICATIONS

The DF1 can be fitted to any trap where conditions promote blast discharge similar to that associated with balanced pressure, inverted bucket or Thermo-Dynamic® traps. The DF2 is designed to be fitted to the outlet of steam traps discharging into flood lines.

LIMITING OPERATING CONDITIONS

DF1 Max. Operating Pressure (PMO)	915 psig/63 barg
DF2 Max. Operating Pressure (PMO)	580 psig/40 barg
Max. Operating Temperature (TMO)	750°F/400°C

CONSTRUCTION MATERIALS

No.	Part	Material	
1	Case	Stainless Steel	ASTM A 240 Gr 304
2	End Boss Screwed Socket Weld	Stainless Steel Stainless Steel	ASTM A 351 CF 8 ASTM A 276 Gr 304
3	Internals	Stainless Steel	ASTM A 580 Gr 304

INSTALLATION

The DF1 should be fitted on the outlet side of a steam trap or liquid drainer with a suitable fitting to ensure that the discharge of condensate is towards the ground or some safe enclosure.

The DF2 should be fitted on the outlet side of a trap ensuring that the directional arrow on the body is in the flow direction.

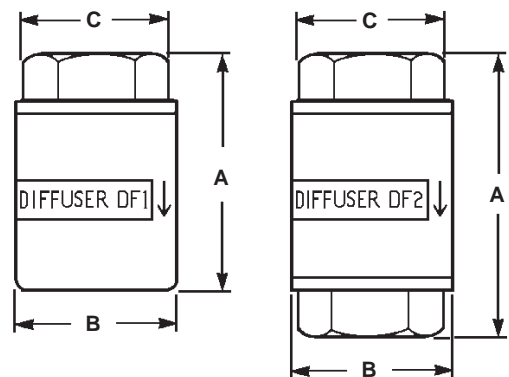
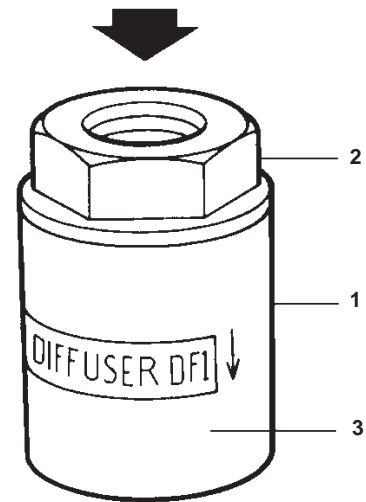
Complete installation and maintenance instructions are given in the IMI which accompanies the product.

SAMPLE SPECIFICATION

The trap diffuser shall be all stainless steel with a knitted and compacted wire mesh diffusing element. Where a trap is discharging into a flooded line, the diffuser should have both threaded inlet and outlet connections.

DIMENSIONS (approximate) in inches & millimeters

Size	A (DF1)	A (DF2)	B	C	Weight(DF1)	Weight (DF2)
1/2"	2.3 59	2.9 74	1.5 40	1.1 27	.51 lb .23 kg	.66 lb .3 kg
3/4"	2.3 60	2.9 74	1.5 40	1.3 32	.51 lb .23 kg	.66 lb .3 kg



Local regulation may restrict the use of this product below the conditions quoted. Limiting conditions refer to standard connections only.
In the interests of development and improvement of the product, we reserve the right to change the specification.

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