Stainless Steel

Model	**WDF1, WDF2**
Size	**1/2", 3/4"**
Connections	**NPT, SW**
Body Material	**Stainless Steel**
Maximum Operating Pressure	**WDF1 - 900 PSIG** **WDF2 - 450 PSIG**

WDF1
with Inlet Connection only
When discharging to Atmosphere.

WDF2
with Inlet/Outlet Connections
When discharging to Condensate Return Line.

Typical Applications

The WDF Diffuser suppresses the high velocity discharge associated with blast-type steam traps in order to reduce noise, erosion and waterhammer. These compact units are made from Stainless Steel. Available in 1/2" and 3/4" NPT and SW connections.

The **WDF1** Diffuser can be fitted to the outlet of any steam or air trap discharging to the atmosphere. Maximum Operating Pressure is 900 PSIG.

The **WDF2** Diffuser can be fitted to the outlet of any steam or air trap discharging to a condensate return line. Maximum Operating Pressure is 450 PSIG.

How It Works

Diffusers use a specially-designed wire mesh absorption element to suppress the condensate discharge when mounted directly after the steam trap.

Features

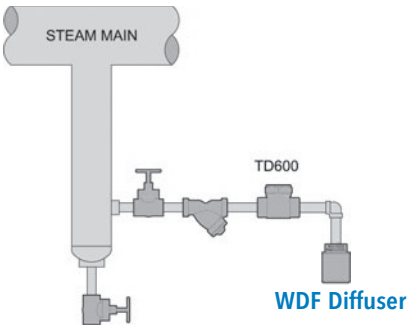
- Designed to cushion the discharge of steam traps by suppressing the high-velocity condensate often associated with blast-type steam trap discharge
- Helps to reduce noise, erosion, and flash steam
- Connection options for discharging directly to atmosphere or piping directly to condensate return system

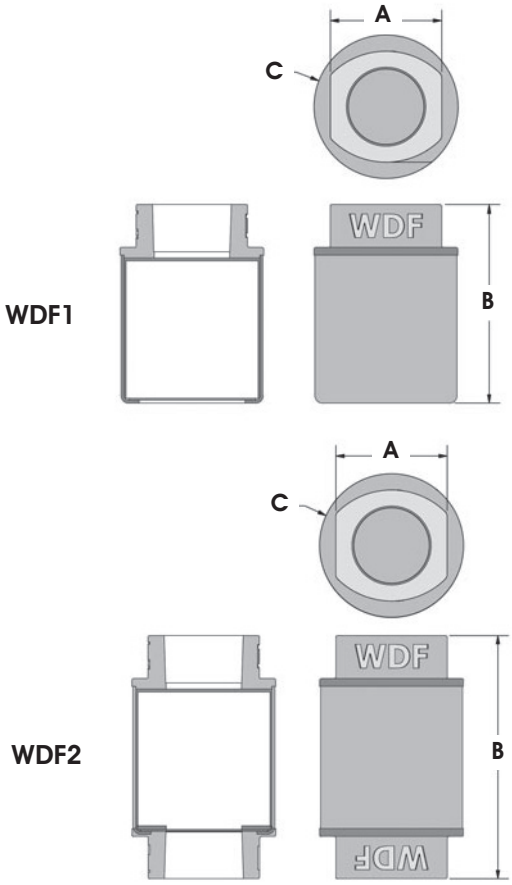
Sample Specification

Diffuser shall be all stainless steel with a wire mesh absorption element.

Installation

The diffuser should be installed directly after the steam trap and should be directed to a safe discharge area, away from personnel. Make certain that the diffuser size selected is the same as the discharge connection of the steam trap.





MATERIALS	
Case	Stainless Steel
Mesh Muffler	Stainless Steel
Screen	Stainless Steel
End Connection	304L SS-CF3

Size/ Connection	Model Code	A	B	C
Diffuser with Inlet Connection Only (for discharging to atmosphere)				
1/2" NPT	**WDF1-12-N**	$1\frac{5}{16}$	$2\frac{5}{16}$	$1\frac{11}{16}$
3/4" NPT	**WDF1-13-N**	$1\frac{5}{16}$	$2\frac{5}{16}$	$1\frac{11}{16}$
1/2" SW	**WDF1-12-SW**	$1\frac{5}{16}$	$2\frac{5}{16}$	$1\frac{11}{16}$
3/4" SW	**WDF1-13-SW**	$1\frac{5}{16}$	$2\frac{5}{16}$	$1\frac{11}{16}$
Diffuser with Inlet/Outlet Connections (for discharging to condensate return line)				
1/2" NPT	**WDF2-12-N**	$1\frac{5}{16}$	$2\frac{7}{8}$	$1\frac{11}{16}$
3/4" NPT	**WDF2-13-N**	$1\frac{5}{16}$	$2\frac{7}{8}$	$1\frac{11}{16}$
1/2" SW	**WDF2-12-SW**	$1\frac{5}{16}$	$2\frac{7}{8}$	$1\frac{11}{16}$
3/4" SW	**WDF2-13-SW**	$1\frac{5}{16}$	$2\frac{7}{8}$	$1\frac{11}{16}$