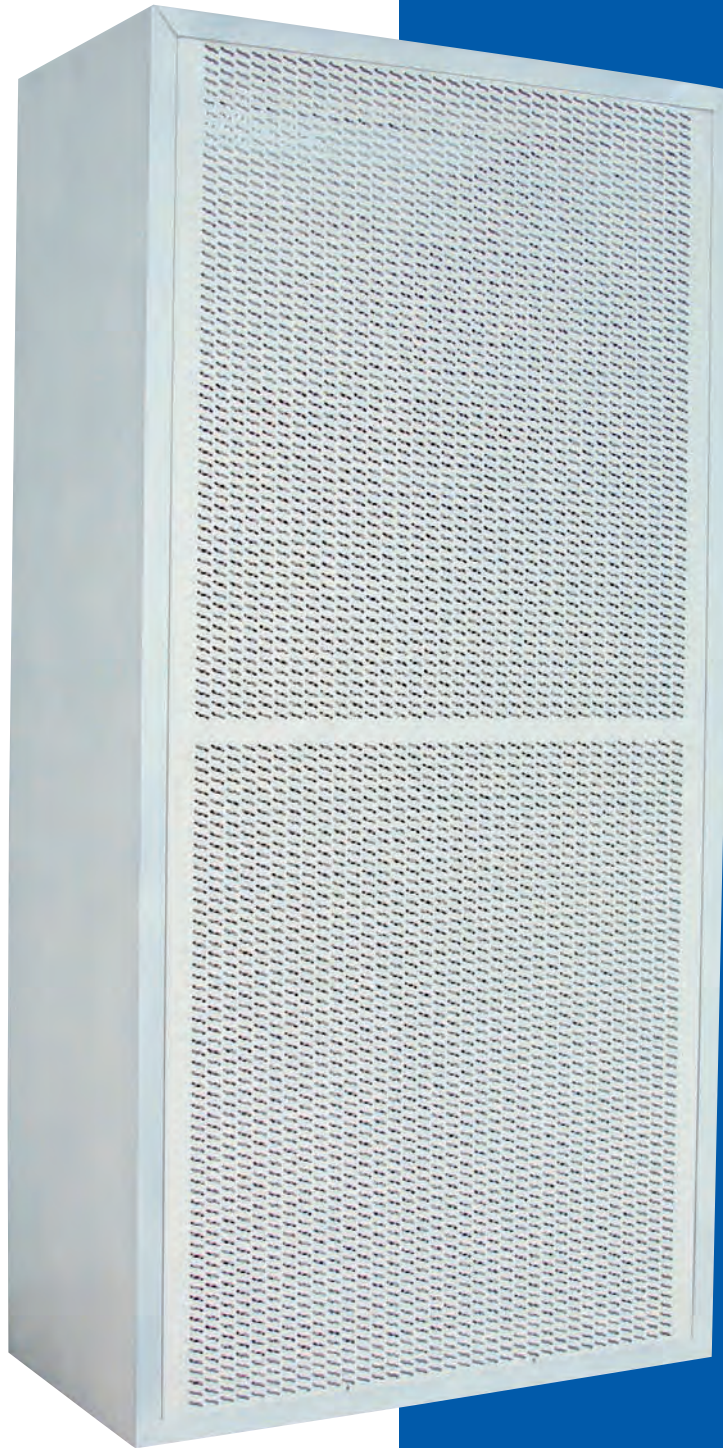


ISO 9001  
BUREAU VERITAS  
Certification



## **S-90-R**

*Rectangular displacement diffuser*

*New design*

# S-90-R

## Description

The S-90-R diffuser is a rectangular displacement unit for placing on a floor, in a wall or ceiling. The body consists of a rear section with side, top and bottom plates and an internal distribution perforated plate with an air volume measuring point.

The top, or alternatively, bottom plate will have a rectangular inlet.

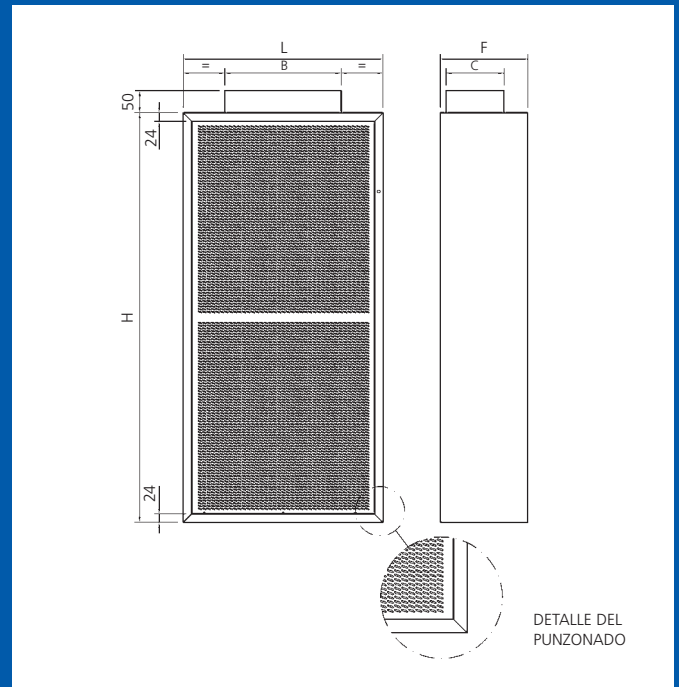
The displacement unit is manufactured in galvanised sheet steel and aluminium profiles. It is coated with white standard paint, RAL 9010. Upon request, the unit is also available in other standard colours. The units are available to order in special dimensions, with reinforced front plates, etc.

## Application

The displacement flow unit type S-90-R is utilised as a low velocity unit for comfort conditions in all areas.

It can supply a large air flow at low velocity to the occupied zone and guarantees low-turbulence.

The supply air can enter the space with a temperature difference of -1 to -6° C in relation to the room air. The air spreads out on the floor and is lifted up by convection currents from heat sources.



## DIMENSIONS

Model	L	H	B	C	F
600x800-25	600	800	250	150	250
600x1200-30		1200	270	200	300
600x1500-30		1500	400		
1000x1500-30	1000	2000	650	250	350
1200x2000-30	1200		900		
1200x2000-35			900		

## QUICK SELECTION TABLE

Model	Air flow - Sound power - Pressure drop			
	m <sup>3</sup> /h (Pa)			
	20 dB (A)	25 dB (A)	30 dB (A)	35 dB (A)
600x800-25	479 (9)	575 (13)	692 (18)	833 (27)
600x1200-30	602 (7)	725 (10)	870 (14)	1047 (20)
600x1500-30	860 (6)	1034 (9)	1242 (13)	1495 (19)
1000x1500-30	1252 (5)	1508 (7)	1809 (10)	2180 (15)
1200x2000-30	1610 (4)	1942 (6)	2330 (9)	2800 (13)
1200x2000-35	1920 (4)	2305 (6)	2770 (8)	3335 (12)

**Mech-Elec UK,**  
Unit 1, Bretts Farm,  
Romford Road,  
Aveley,  
Essex,  
RM15 4XD.



Tel: +44 208133 9745

E-Mail: [info@mech-elec.net](mailto:info@mech-elec.net)

Web: <http://www.mech-elec.net>