



Serie **DF-PVC**



LINEAR DIFFUSERS
MADE OF PVC



(+34) 91 3235805
(+34) 91 3235703



www.difair.es

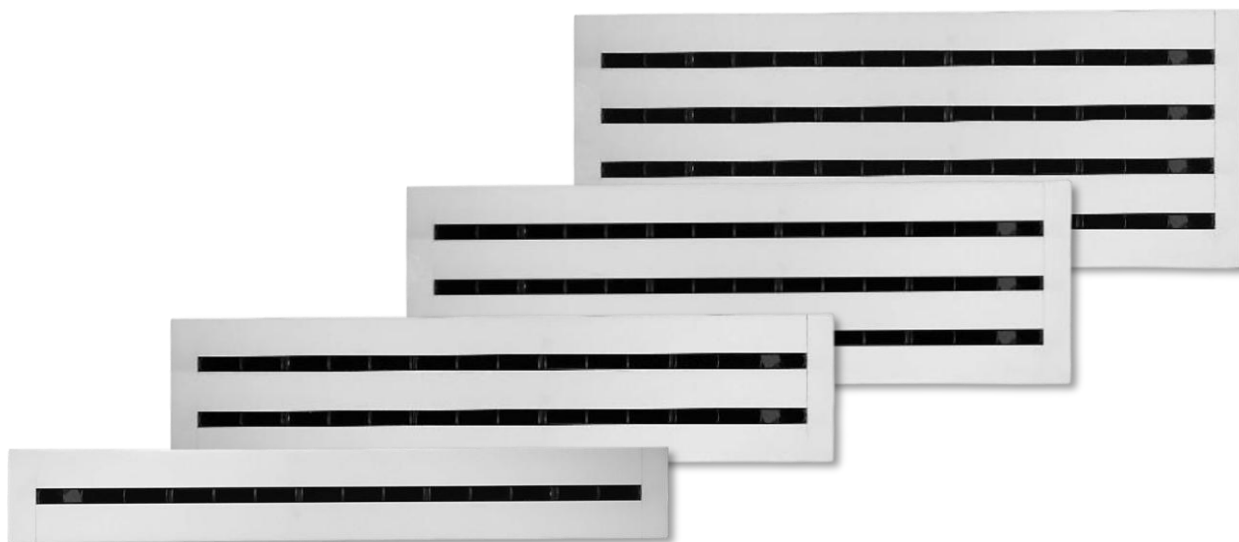


info@difair.es



Avd. del Cno de lo Cortao, 28A, Nave 1
28703 San Sebastián de los Reyes, Madrid.

LINEAR DIFFUSERS SERIES DF10-PVC



GENERAL DESCRIPTION

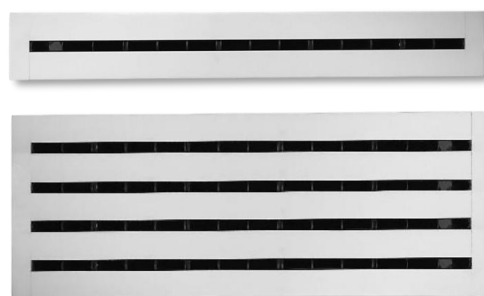
The linear diffusers series **DF10-PVC** are designed to supply air in HVAC systems where high environmental durability is required. Manufactured entirely from high-strength thermoplastic (**PVC/ABS**), they stand out for their excellent corrosion resistance and are impervious to chemical and salt degradation, as well as to extremely humid environments.

It is non-flammable and self-extinguishing. Thanks to the material's low thermal conductivity, it provides an active anti-condensation barrier, preventing surface condensation and moisture buildup without the need for additional insulation. It combines an aerodynamic, low-drag design with a durable surface finish that remains unchanged over time and is easy to maintain.

MODELS

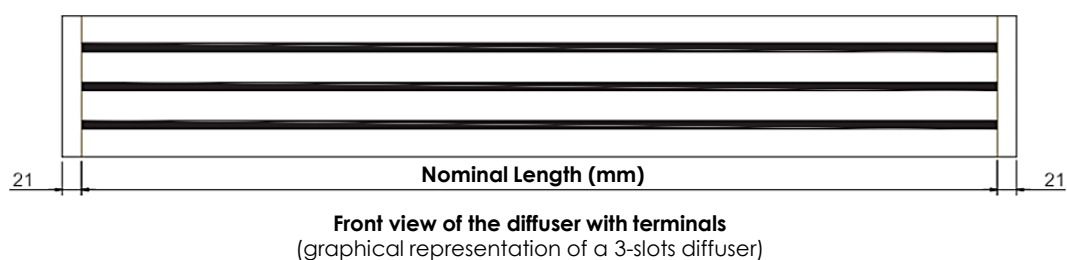
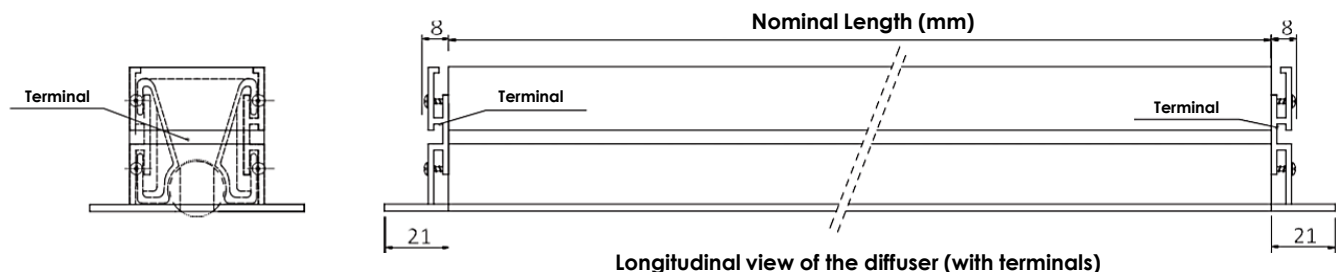
DF10-PVC

Linear diffuser with adjustable blades, made of PVC frame and ABS blades. Available in 1, 2, 3, and 4 slots: **DF10-1V PVC**, **DF10-2V PVC**, **DF10-3V PVC**, and **DF10-4V PVC**.

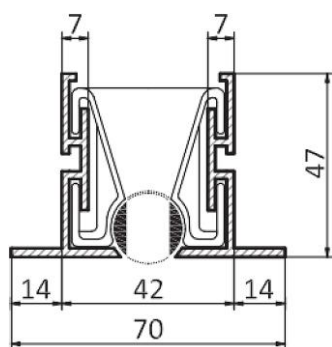


LINEAR DIFFUSERS SERIES DF10-PVC

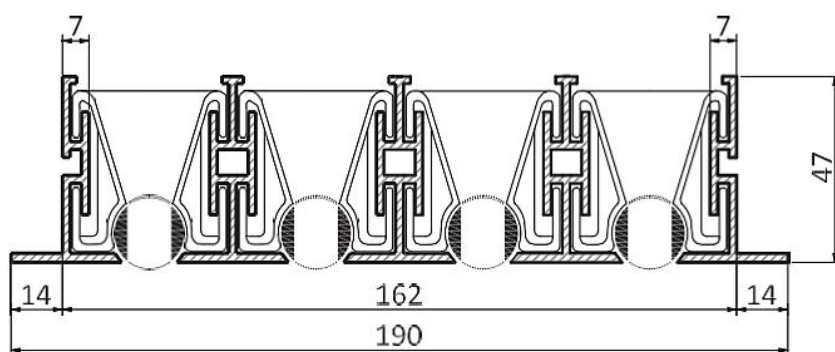
DIMENSIONS



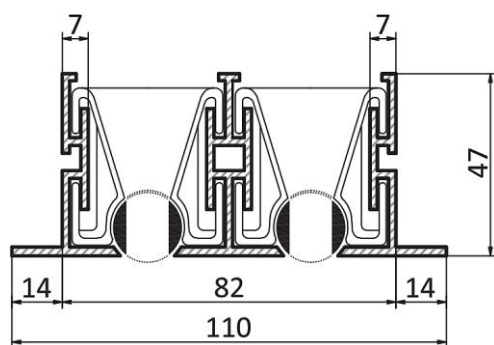
Section view



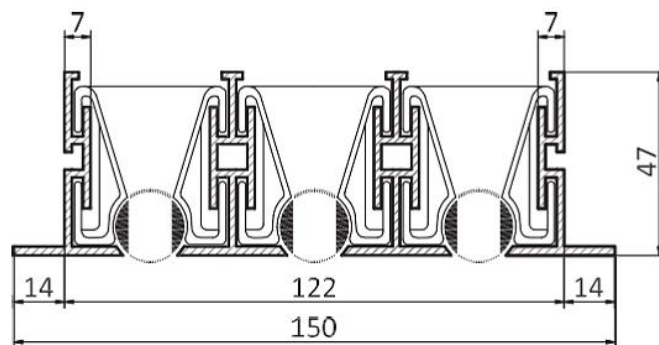
DF10-1V PVC



DF10-4V PVC



DF10-2V PVC



DF10-3V PVC

LINEAR DIFFUSERS SERIES DF10-PVC

FEATURES

- **Material:** Body made of anti-condensation **PVC** and **ABS** blades.
- **Extinction Level:** Class V0.
- **Optimal temperatures:** -30°C / +60°C
- **Fixing system:** Depending on the plenum to which the diffuser will be attached.

ACCESSORIES

- PVC anti-condensation plenum "**ADF-EASYP**".
- "**ADF-S/04**" Anti-Condensation **PVC** Sliding damper (for use only in combination with the **PVC** plenum).
- Expanded polyisocyanurate (PIR) plenum "**PAL/04**".
- "**-S/04**" Sheet Metal Sliding Damper Control (not compatible with **PVC** plenums).

FINISH

- White **RAL 9010**.
- Black blades **RAL 9005** or White blades **RAL 9010**.
- Diffuser also available without blades "DF10_/SA-PVC".

LINEAR DIFFUSERS

SERIES DF10-PVC

QUICK SELECTION TABLE

Model DF10-1V PVC	Length (mm)	Afree (m2)	Air Flow (m3/h)	Air Flow (m3/h)	Air Flow (m3/h)	Air Flow (m3/h)	Air Flow (m3/h)
DF10_600	600	0.0090	33	65	83	99	132
DF10_800	800	0.0120	43	86	108	129	172
DF10_1000	1000	0.0150	54	108	135	162	216
DF10_1200	1200	0.0180	65	129	162	194	259
DF10_1600	1600	0.0235	87	174	218	261	348
DF10_2000	2000	0.0300	108	216	270	324	432
			V = 1 m/s	V = 2 m/s	V = 2.5 m/s	V = 3 m/s	V = 4 m/s
			Pd = 2 Pa	Pd = 4 Pa	Pd = 6 Pa	Pd = 9 Pa	Pd = 13 Pa

Mode DF10-2V PVC	Length (mm)	Afree (m2)	Air Flow (m3/h)	Air Flow (m3/h)	Air Flow (m3/h)	Air Flow (m3/h)	Air Flow (m3/h)
DF10_600	600	0.0180	65	130	162	195	260
DF10_800	800	0.0240	86	173	216	258	344
DF10_1000	1000	0.0300	108	216	270	324	432
DF10_1200	1200	0.0360	130	260	325	390	520
DF10_1600	1600	0.0480	173	346	433	519	692
DF10_2000	2000	0.0600	216	432	540	648	864
			V = 1 m/s	V = 2 m/s	V = 2.5 m/s	V = 3 m/s	V = 4 m/s
			Pd = 2 Pa	Pd = 4 Pa	Pd = 6 Pa	Pd = 9 Pa	Pd = 13 Pa

Model DF10-3V PVC	Length (mm)	Afree (m2)	Air Flow (m3/h)	Air Flow (m3/h)	Air Flow (m3/h)	Air Flow (m3/h)	Air Flow (m3/h)
DF10_600	600	0.0270	97	194	243	291	388
DF10_800	800	0.0360	130	260	325	390	520
DF10_1000	1000	0.0450	162	324	405	486	648
DF10_1200	1200	0.0540	195	390	488	585	780
DF10_1600	1600	0.0720	260	520	650	780	1040
DF10_2000	2000	0.0900	324	648	810	972	1296
			V = 1 m/s	V = 2 m/s	V = 2.5 m/s	V = 3 m/s	V = 4 m/s
			Pd = 2 Pa	Pd = 4 Pa	Pd = 6 Pa	Pd = 9 Pa	Pd = 13 Pa

LINEAR DIFFUSERS

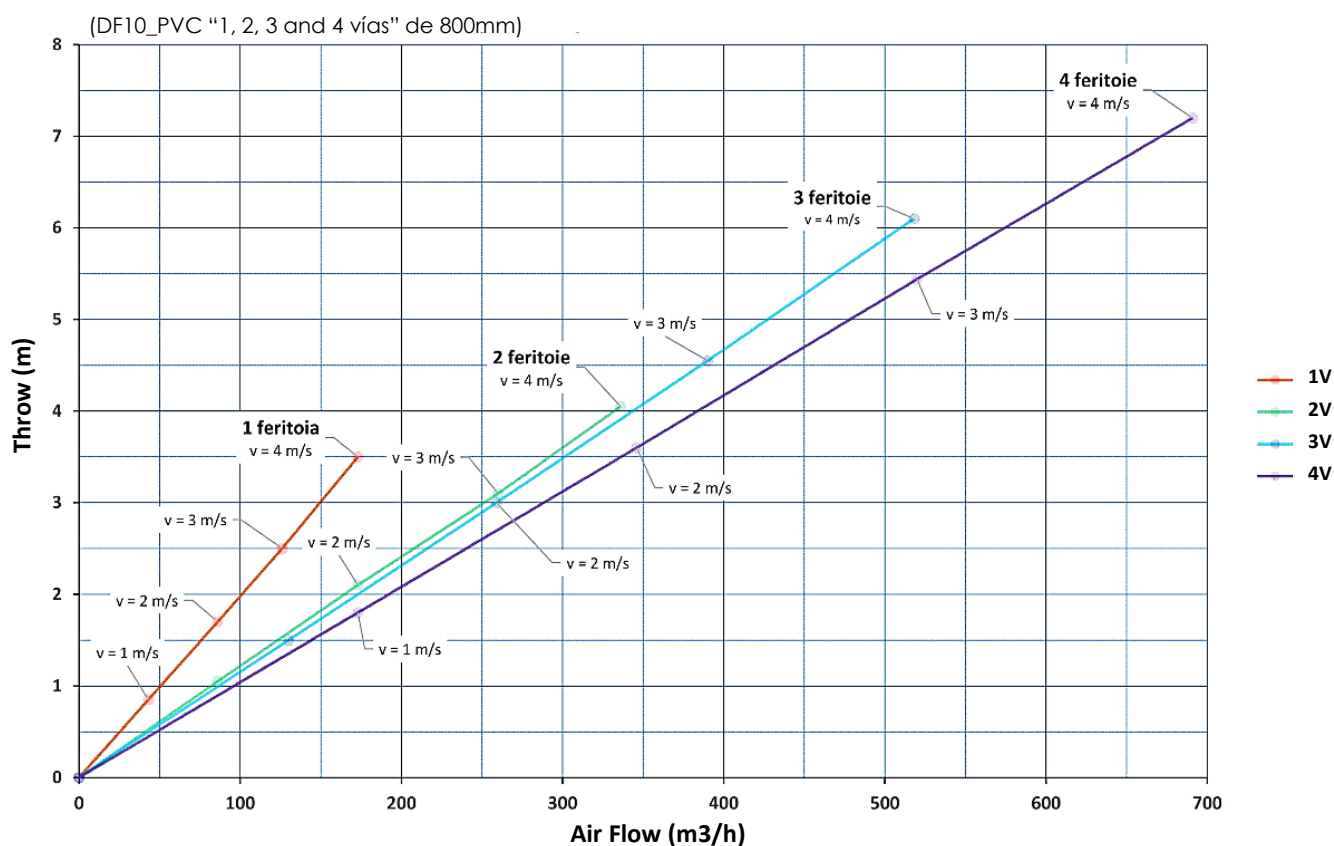
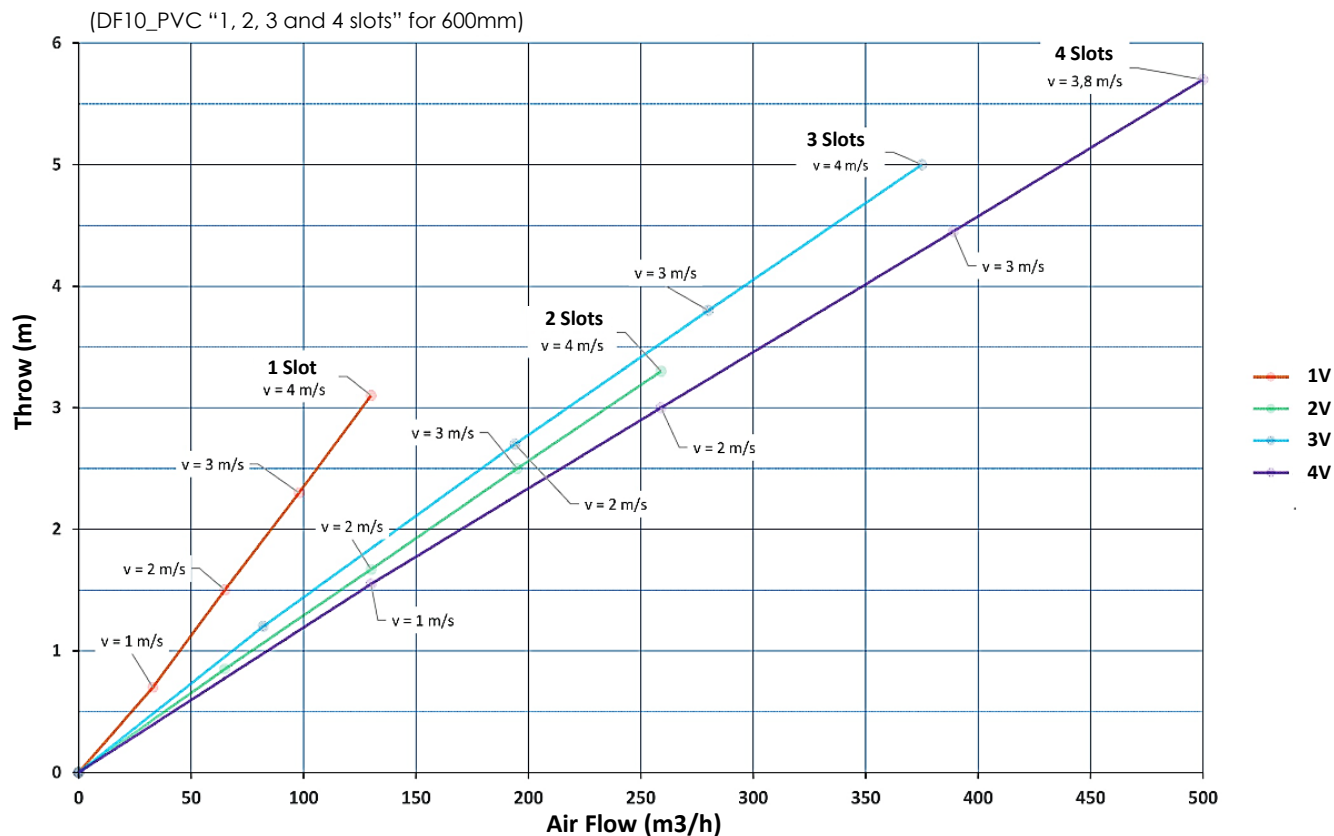
SERIES DF10-PVC

Model DF10-4V PVC	Length (mm)	Afree (m2)	Air Flow (m3/h)	Air Flow (m3/h)	Air Flow (m3/h)	Air Flow (m3/h)	Air Flow (m3/h)
DF10_600	600	0.0360	130	260	325	390	520
DF10_800	800	0.0480	173	346	433	519	692
DF10_1000	1000	0.0600	216	432	540	648	864
DF10_1200	1200	0.0720	260	520	650	780	1040
DF10_1600	1600	0.0960	347	693	866	1038	1384
DF10_2000	2000	0.1200	432	864	1080	1296	1728
			V = 1 m/s	V = 2 m/s	V = 2.5 m/s	V = 3 m/s	V = 4 m/s
			Pd = 2 Pa	Pd = 4 Pa	Pd = 6 Pa	Pd = 9 Pa	Pd = 13 Pa

LINEAR DIFFUSERS SERIES DF10-PVC

PERFORMANCE

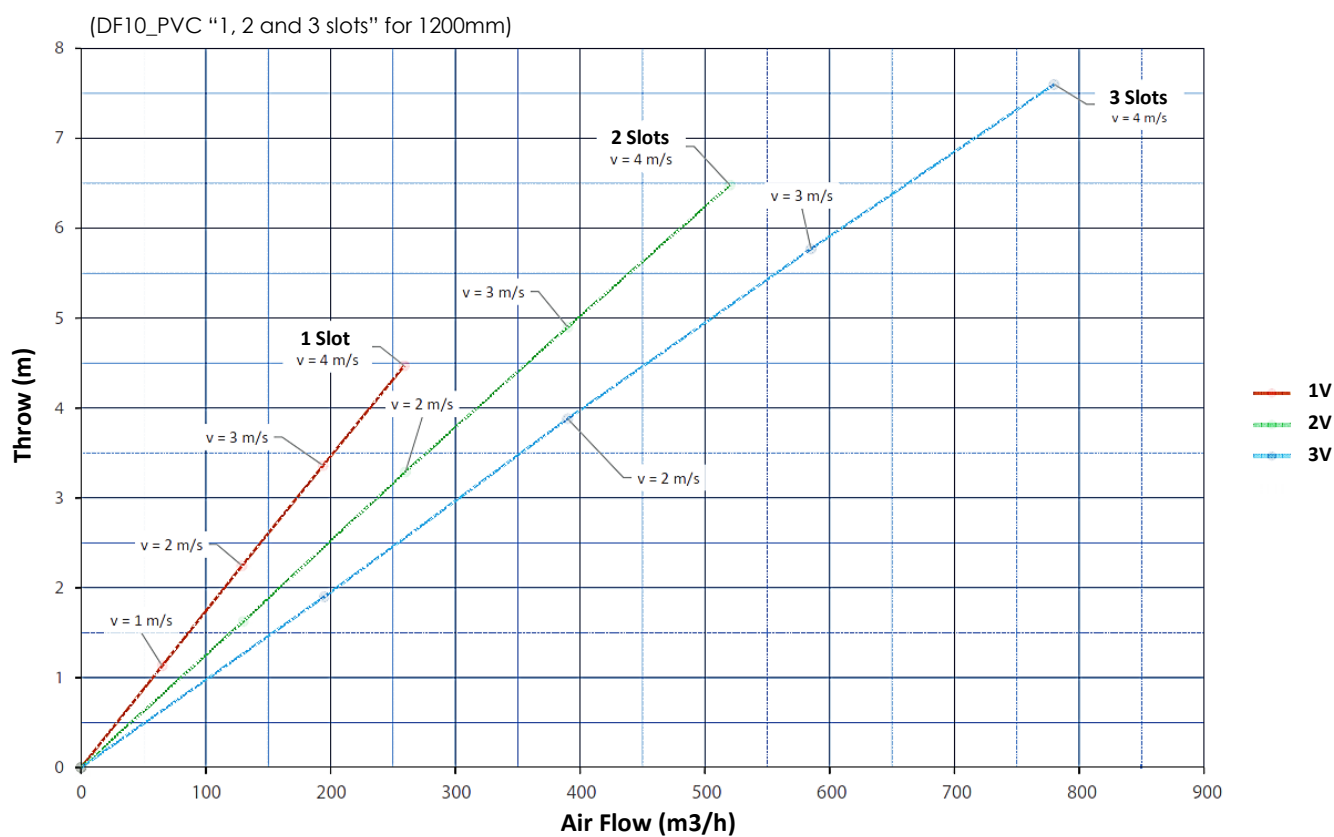
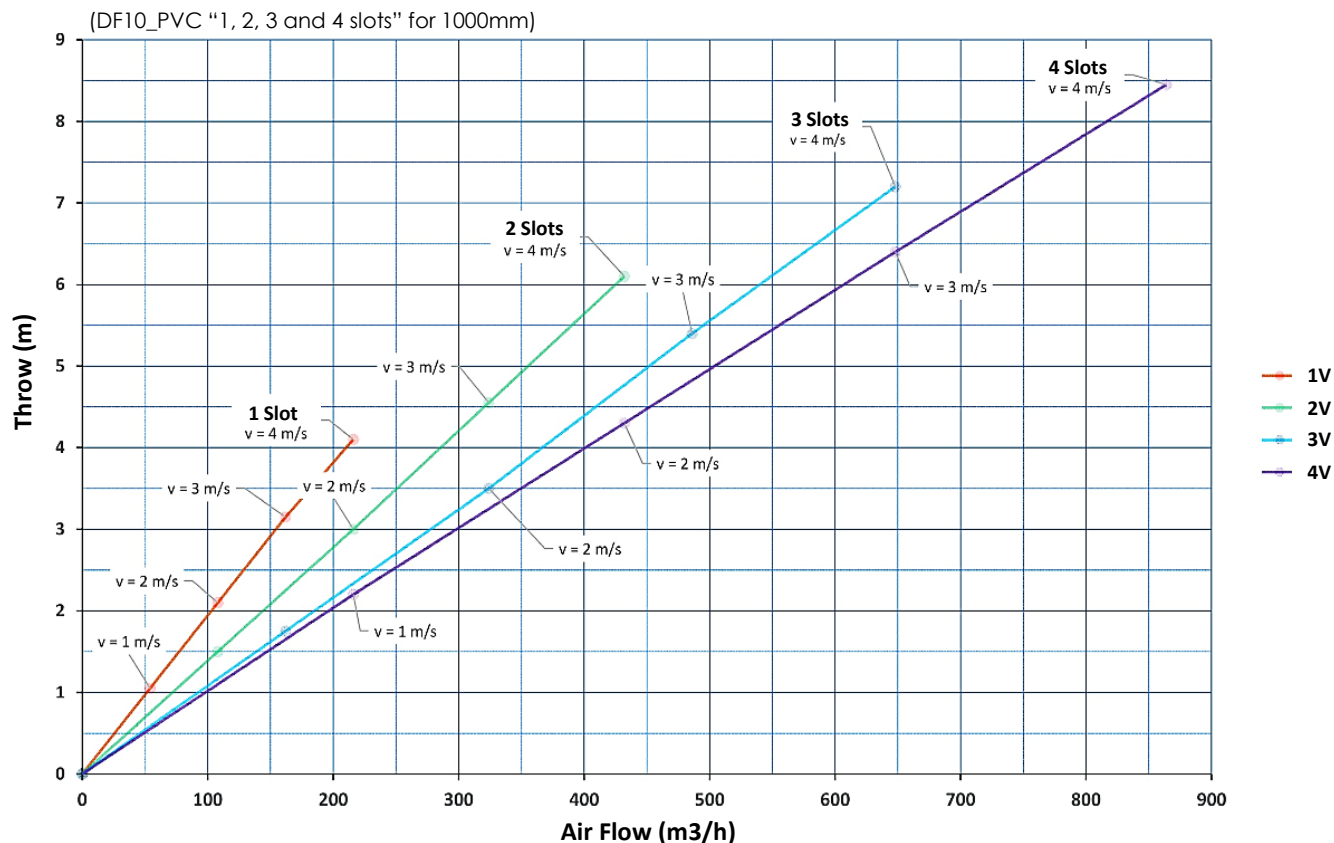
Throw (m) at a terminal speed of 0.25 m/s



LINEAR DIFFUSERS SERIES DF10-PVC

PERFORMANCE

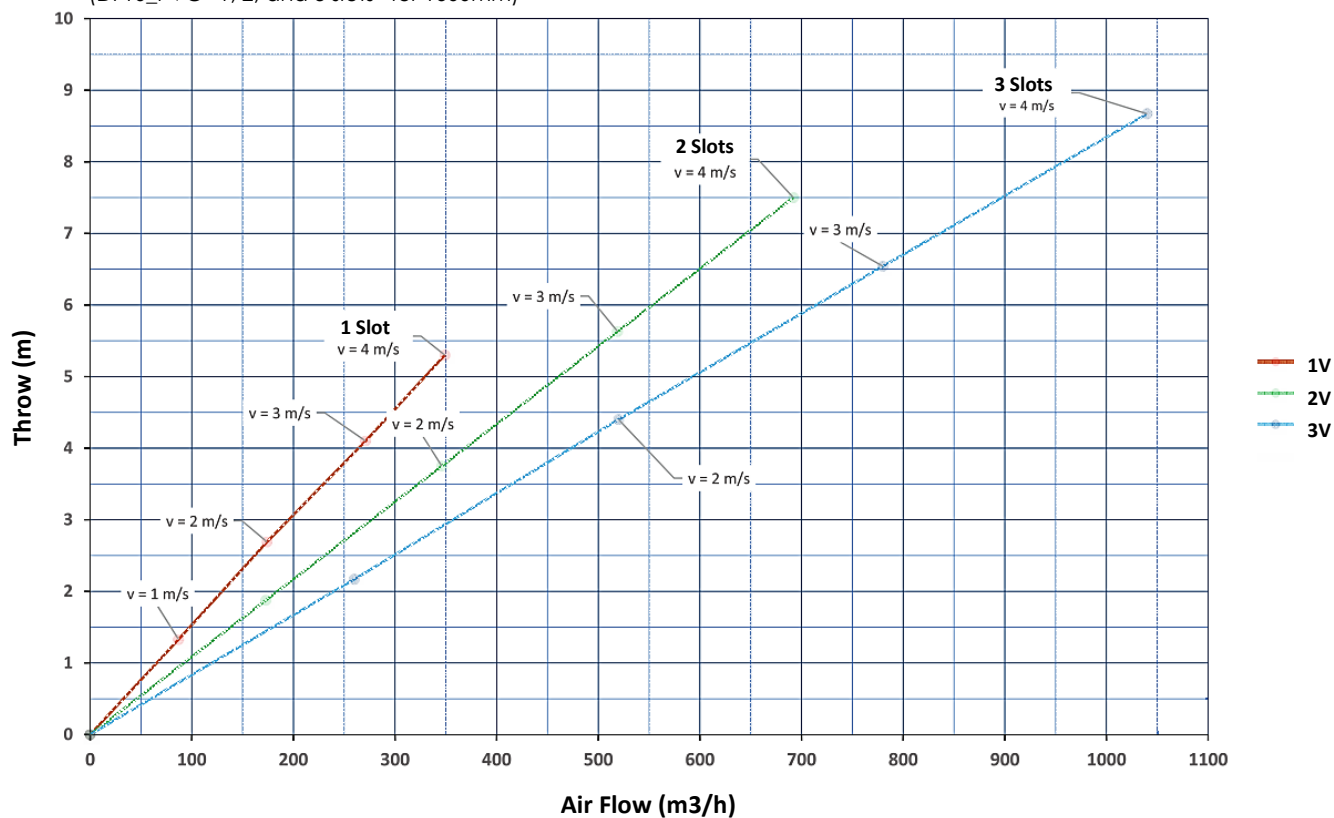
Throw (m) at a terminal speed of 0.25 m/s



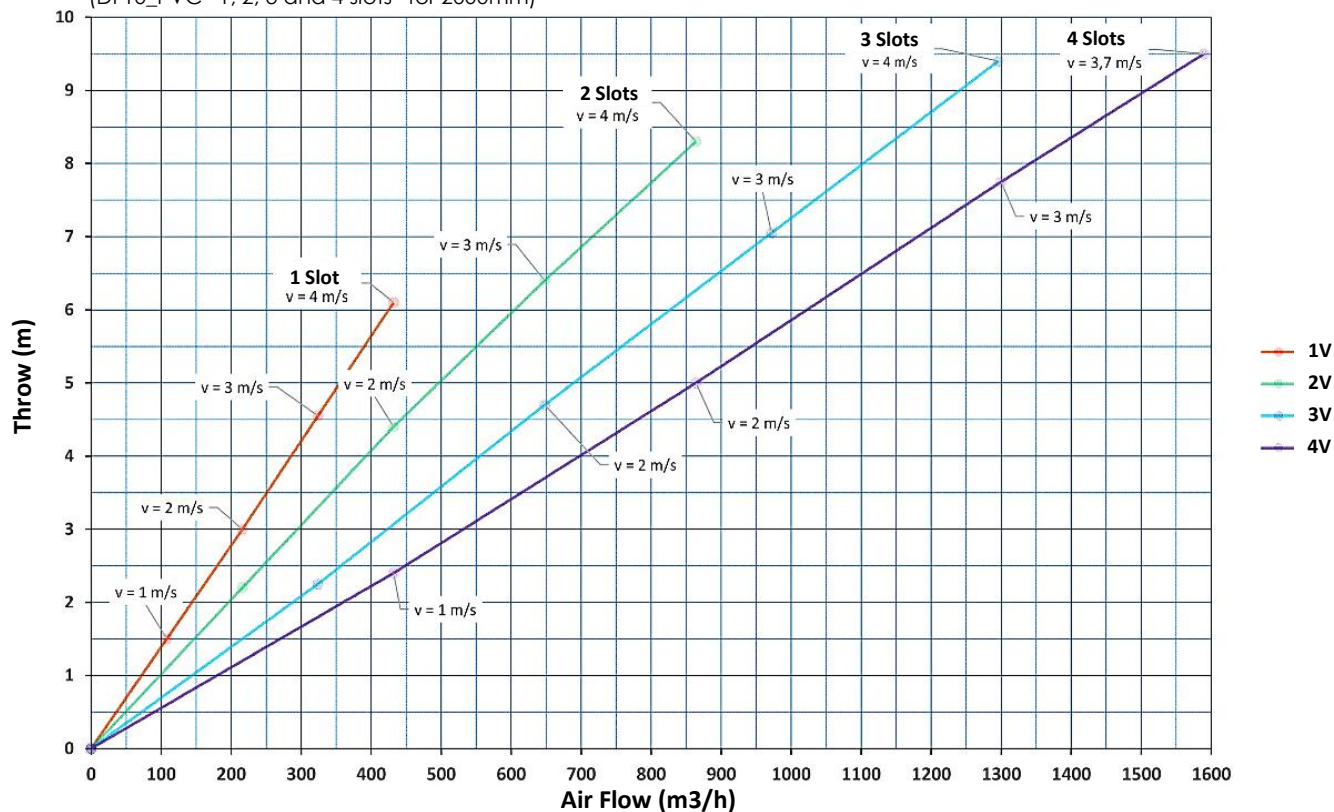
PERFORMANCE

Throw (m) at a terminal speed of 0.25 m/s

(DF10_PVC "1, 2, and 3 slots" for 1600mm)



(DF10_PVC "1, 2, 3 and 4 slots" for 2000mm)





Any element of this document may be subject to change without notice from Manufacturas Difair-Clima, S.L. CONTAINS INTELLECTUAL PROPERTY. Any partial or total reproduction of the contents without the express authorization of Manufacturas DIFAIR-CLIMA, S.L. is prohibited.

The information contained in this document is based on careful testing and experience. It reflects our knowledge and is for guidance purposes only. It is provided in good faith and the user should satisfy himself that the product is fit for use prior to any application. The values quoted are averages and should not be taken as maximum or minimum values for specific purposes. The manufacturer and distributor are not responsible for any non-recommended use or consequential damage.

THE INFORMATION PROVIDED IN THIS DOCUMENT SUPERSEDES ALL PREVIOUS VERSIONS OF THIS DOCUMENT.



(+34) 91 3235805
(+34) 91 3235703



www.difair.es



info@difair.es



Manufacturas Difair-Clima, S.L.
Av. del Cno de lo Cortao, 28, Nave 1 –
28703 San Sebastián de los Reyes, Madrid.