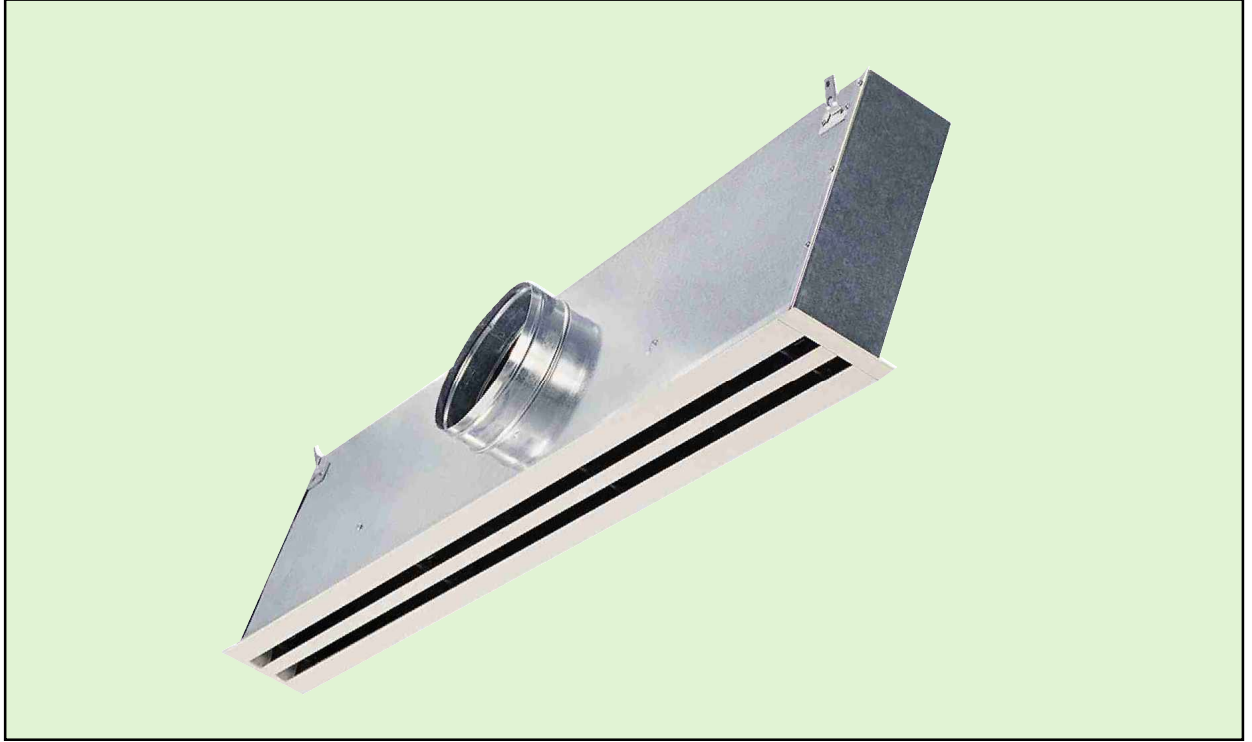




Malzeme	: Özel olarak haddelenmiş 6063 alüminyum profil.
Fonksiyon	: Havalandırma sisteminde alçak tavanlarda üfleme difüzörü olarak kullanılmaktadır. Ayrıca emiş elemanı olarak da kullanılabilir.
Yüzey Kaplama	: Standart kaplama; naturel alüminyum eloksallıdır. İsteğe bağlı olarak elektrostatik toz boya yapılabilir. Standart renkler RAL 9010 ve RAL 9016'dır. Diğer renkler fırın boya ile sağlanabilir.
Montaj	: Standart olarak köprülüdür.
Aksesuarlar	: Plenum box, köşe parçası.

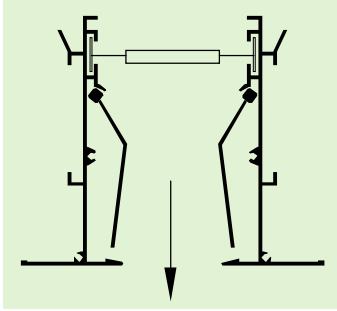
Material	: Specially extruded 6063 aluminium profile.
Function	: It is used as supply diffuser for low level ceiling. It can be used both for supply and extract applications in air ventilation systems.
Finishing	: Standard finishing is natural anodized. Optional electrostatic powder coating. Standard colours are RAL 9010 and RAL 9016. Other colours are available with enamel paint.
Installation	: Bridge system is standard.
Accessories	: Plenum box, corner piece.

1, 2, 3, 4 SLOTLU DİFÜZÖRLER İÇİN STANDART UZUNLUKLAR
STANDARD LENGTHS FOR 1, 2, 3, 4 SLOTTED DIFFUSERS
(mm)

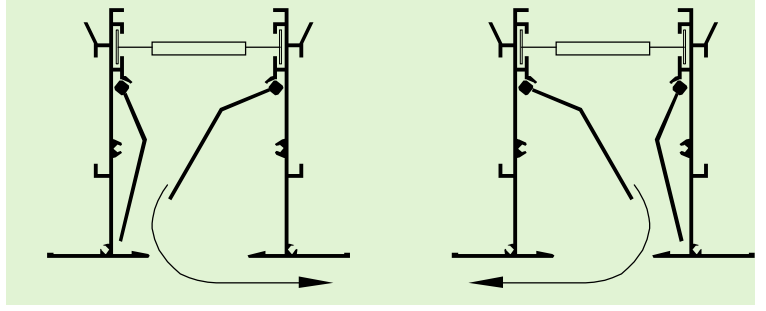
500 - 600 - 700 - 800 - 900 - 1000 - 1100 - 1200

1300 - 1400 - 1500 - 1600 - 1700 - 1800 - 1900 - 2000

ÜFLENEN HAVANIN YÖNLENDİRİLMESİ DISCHARGE DIRECTION ADJUSTMENT

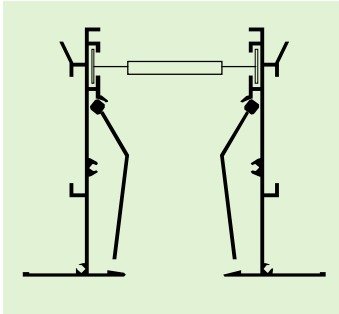


Dikey Üfleme
Vertical Air Discharge



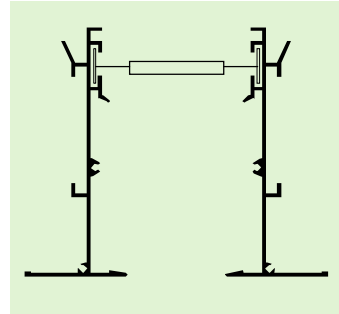
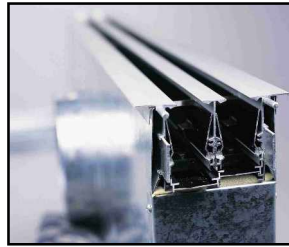
Yatay Üfleme
Horizontal Air Discharge

TİPLER TYPES



LDS

Üfleyici Lineer Difüzör
Supply Linear Diffuser



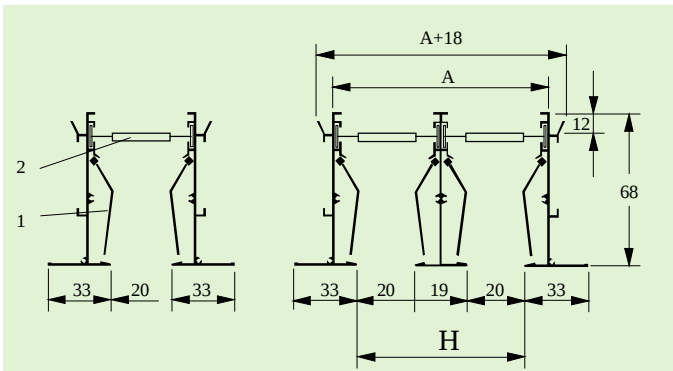
LDR

Toplayıcı Lineer Difüzör
Return Linear Diffuser

Yönlendirici
Kanat Yoktur

No air
deflection blade

ÖLÇÜ DETAYLARI DIMENSIONAL DETAILS



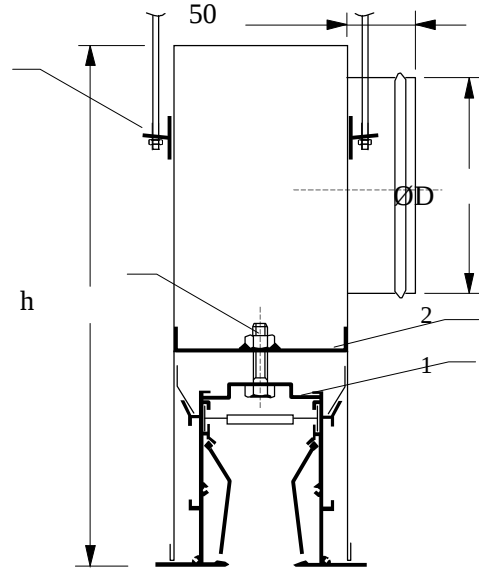
- 1) Hava yöneltici kanat (Tip LDS)
Air deflection blade (Type LDS)
- 2) Hava ayar damperi (Tip LDS / LDR)
Hit and miss damper (Type LDS / LDR)

	Bölme sayısı No of slot			
	.../1	.../2	.../3	.../4
H (mm)	20	59	98	137
A (mm)	40	79	118	157

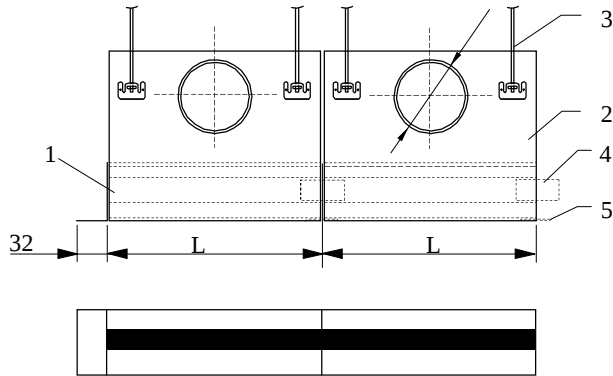
MONTAJ ŞEKLİ VE ÖLÇÜLERİ FIXING AND DIMENSIONS

- 1- Difüzör köprü parçası
- 2- Box köprü parçası
- 3- Bağlantı civata ve somunu
- 4- Askı parçası

- 1- Diffuser bridge piece
- 2- Box bridge piece
- 3- Connecting bolt and nut
- 4- Hanging piece

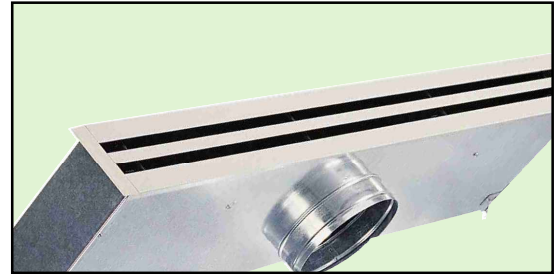


SLOT DİFÜZÖRLERİN BİRBİRİNE MONTAJI CONNECTING SLOT DIFFUSER



- 1- Lineer Difüzör
- 2- Plenum Box
- 3- Askı çubuğu
- 4- Birleştirmeye kaması
- 5- Birleştirmeye pimi

- 1- Linear Diffuser
- 2- Plenum Box
- 3- Hanging bolt
- 4- Connecting wedge
- 5- Connecting pin



Yükseklikler ve çaplar / Heights and Diameters

L (mm)	Slot Adedi				
		1	2	3	4
500 ↕ 1100	ØD (mm)	152	203	229	254
	h (mm)	300	300	330	350
1100 ↕ 1490	ØD (mm)	152	203	229	254
	h (mm)	300	300	330	350
1500 ↕ 2000	ØD (mm)	2*152	2*203	2*229	2*254
	h (mm)	300	300	330	350

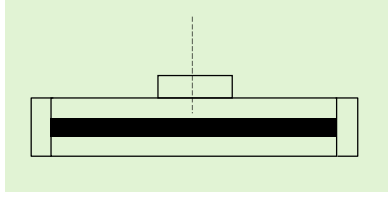


1500 mm'den uzun difüzörlerde 2 adet kutu bağlantı boğazı kullanılmaktadır.

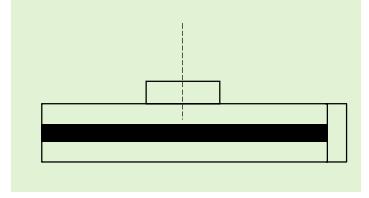
Two connection spigot is used for the diffusers longer than 1500 mm.

YAN KAPAK KONUMLARI END CAP ARRANGEMENTS

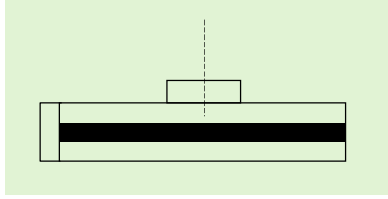
İki yan Kapaklı (A)
End caps - both ends (A)



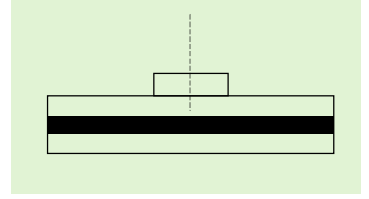
Yan Kapak Sağda (B)
End cap on right (B)



Yan Kapak Solda (C)
End cap on left (C)

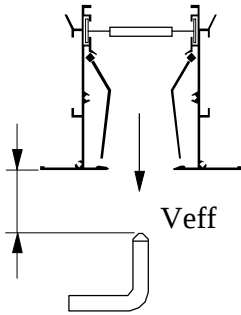


Yan Kapaksız (O)
Without end cap (O)

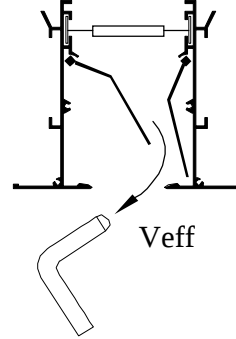


DEBİ ÖLÇÜMÜ AIR FLOW MEASUREMENT

Dikey Üfleme - Vertical Air Discharge

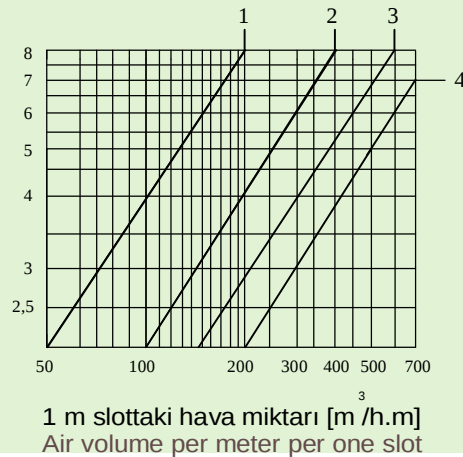


Yatay Üfleme - Horizontal Air Discharge



ÇIKIŞ HIZI EFFECTIVE JET VELOCITY

YATAY ÜFLEME
HORIZONTAL AIR DISCHARGE



DİKEY ÜFLEME
VERTICAL AIR DISCHARGE



Yatay ve dikey
üflemede hava
miktarı - hız
diyagramları

Air volume -
velocity
diagram in
vertical and
horizontal air
discharge

LİNEER DİFÜZÖRLERİN SEÇİM TABLOSU
SELECTION TABLE OF LINEAR DIFFUSERS

Bölme Adedi No of Slot		YATAY ÜFLEME HORIZONTAL AIR DISCHARGE					
1	V [m³/h]	70	90	120	150	170	200
	L1[m] - L2[m]	1,2-1,7	1,7-3,0	3,5-5,0	5,0-8,0	6,0-9,0	8,0-11,0
2	V [m³/h]	110	150	200	250	300	350
	L1[m] - L2[m]	1,4-2,1	2,6-4,3	4,5-7,5	6,5-10,0	10,0-.....	10,5-.....
3	V [m³/h]	150	200	250	300	350	400
	L1[m] - L2[m] V [m³/h]	1,7-2,7	3,0-4,6	4,7-7,5	7,0-10,0	9,0-.....	11,0-.....
4	L1[m] - L2[m]	200	250	300	400	450	500
		2,3-3,6	3,5-5,5	5,0-7,6	9,0-.....	10,0-.....	12,0-.....

Bölme Adedi No of Slot		DİKEY ÜFLEME VERTICAL AIR DISCHARGE				
1	V [m³/h]	70	90	100	120	150
	L1[m] - L2[m]	0,6-1,0	1,0-1,6	1,2-2,0	1,5-2,6	2,0-3,5
	L1'[m] - L2'[m]	0,3-0,5	0,7-0,9	1,0-1,2	1,2-1,4	1,5-1,9
2	V [m³/h]	100	125	150	200	240
	L1[m] - L2[m]	0,6-1,0	1,0-1,5	1,4-2,2	2,5-4,0	3,2-5,5
	L1'[m] - L2'[m]	0,3-0,5	0,8-0,9	1,1-1,3	1,8-2,0	2,5-3,3
3	V [m³/h]	150	200	250	300	350
	L1[m] - L2[m]	1,0-1,5	1,7-2,2	2,7-4,0	3,8-5,0	5,0-6,0
	L1'[m] - L2'[m]	0,8-0,9	1,2-1,4	1,8-2,0	3,0-3,5	4,5-5,0
4	V [m³/h]	200	250	300	400	
	L1[m] - L2[m]	1,2-2,0	2,0-3,2	2,7-4,5	5,0-.....	
	L1'[m] - L2'[m]	1,0-1,2	1,4-1,6	2,0-2,4	4,0-.....	

Not: Verilen değerler 1 m boydaki difüzör içindir.

Note: Datas are given for 1m diffuser.

HAVA DEBİSİ
AIR VOLUME

V [m³/h]

ATIFI MESAFESİ

THROWING DISTANCE

S [m]

vt[m/s] - Havanın ulaftığı mesafedeki hız
Terminal velocity

Ses seviyesi 25 dB'den düflük
Sound Power Level below 25 dB

Ses seviyesi 30 dB'den düflük
Sound Power Level below 30 dB

Ses seviyesi 40 dB'den düflük
Sound Power Level below 40 dB

Ses seviyesi 40 dB'den yüksek
Sound Power Level above 40 dB

L1 vt = 0,5 m/s için atıflı mesafesi
Throwing distance for vt=0,5 m/s

L2 vt = 0,4 m/s için atıflı mesafesi
Throwing distance for vt=0,4 m/s

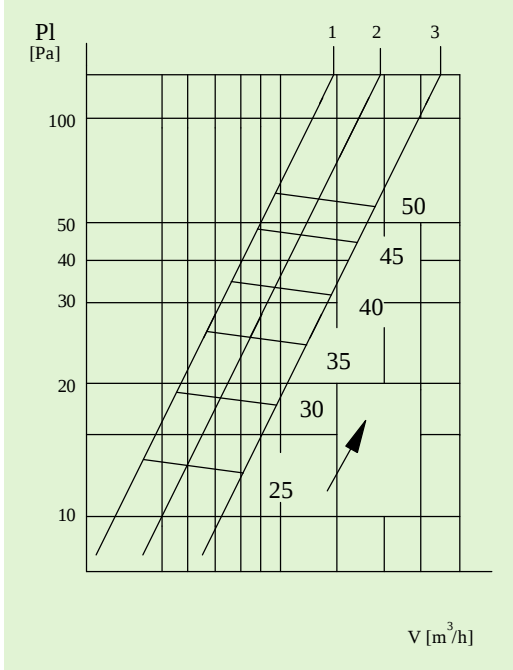
L1' Sıcak hava üflemesi
Heated air supply $\Delta t=12^\circ\text{C}$ (vt=0,5 m/s)

L2' Sıcak hava üflemesi
Heated air supply $\Delta t=12^\circ\text{C}$ (vt=0,4 m/s)

$\Delta t = t_s - t_r$

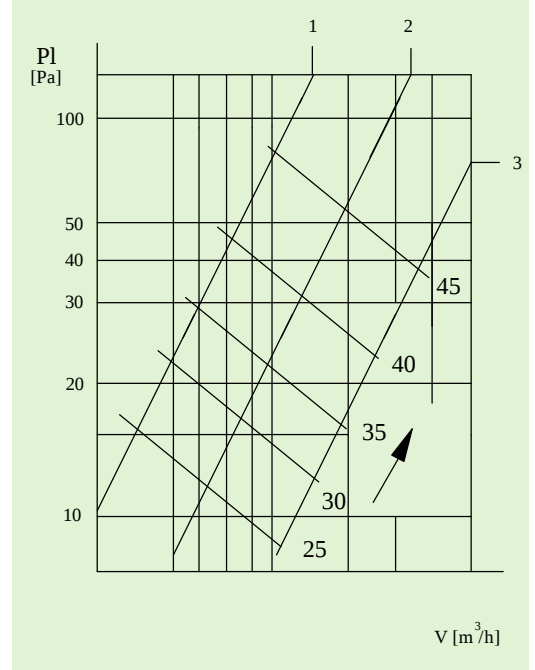
t_s - Üflenen havanın sıcaklığı / Supply air temperature
 t_r - Ortam havasının sıcaklığı / Room air temperature

BASINÇ KAYBI PRESSURE LOSS



LDS Dağıtıcı Lineer Difüzör
Supply Linear Diffuser

V [m³/h] Slot başına 1 m'deki hava miktarı
Air volume value per meter per slot



LDR Toplayıcı Lineer Difüzör
Return Linear Diffuser

PI [mmSS] Basınç düşümü
Pressure loss

SİPARİŞ KODLANDIRMA ORDER CODING

Miktar Quantity	Boğaz Boyu Neck Length	Difüzör Tipi Diffuser Type	Plenum Kutusu Plenum Box	Kutu Giriş Çapı Box Inlet diameter	Yüzey Kaplama Finishing
5 Adet	2000 mm	LDS	P	Ø 203 mm	Powder - RAL 9010
	Boğaz ölçüsü dıflında bir ölçü yazarsanız lütfen belirtiniz. Please mention if you inform any size instead of neck size.	Dağıtıcı Lineer Difüzör LDS Supply Linear Diffuser	P İzolesiz Uninsulated PI Akustik Köpük İzolasyon Class 0 5-10-15 mm Acoustic Foam Insulation Class 0		Naturel Elokıallı Natural Anodized Toz Boyalı Powder Coating
		Toplayıcı Lineer Difüzör LDR Return Linear Diffuser	Isı İzolasyonu Kauçuk Köpüğü 5-10-15 mm PI2 Thermal Insulation Rubber Foam		Lütfen renk belirtiniz. Please mention colour Fırın boyalı Enamel Painted Lütfen renk belirtiniz. Please mention colour

Örnek Sipariş: 5 Adet 2000 mm LDS-2/PI-10 mm/2*Ø203 mm/Powder-RAL 9010

Order Example: 5 Pieces 2000 mm LDS-2/PI-10 mm/2*Ø203 mm/Powder-RAL 9010