



Description

DL: linear aluminium diffuser with slot and adjustable deflectors with high induction, slot width 20 mm

- optional supply of 1 to 8 slots and continuous assembly with multiple elements
- suitable for operation with $\Delta t \pm 10^\circ$
- maximum length per element $L = 2000$ mm
- standard fastening with adjustable bracket
- made of natural anodised aluminium

A90: 90° blank diffuser - 300x300

Accessories

D: diffuser standard black - white (price list +20%)

T: pair of end elements

PL: side entry plenum

PLI: like PL but with external insulation and reaction to fire class B-s2-d0

Circular/oval entries instead of standard (price list €30/each)

S: damper on plenum entry (list price €20/each)

Special versions

- 25 mm slot with 25% increase in air flow (list price +20%)
- narrower edges 18mm - 14mm (list price +20%)

DL ... DTPF: linear return diffuser with G3 filter which can be inspected in the room with 4 slots.

W: RAL 9010 coating (list price +20%)

VR: coating according to RAL 9005 / 9006 table
fixed surcharge €30 + 20% per piece

Plenum price list

No. slots/GR	PL			PLI		
	1000	1500	2000	1000	1500	2000
1	49	74	98	74	110	146
2	51	76	100	76	112	148
3	53	78	102	78	114	150
4	55	80	104	80	116	152
5	57	82	106	82	118	154
6	59	84	106	86	120	156

1 x intake up to $L = 1600$

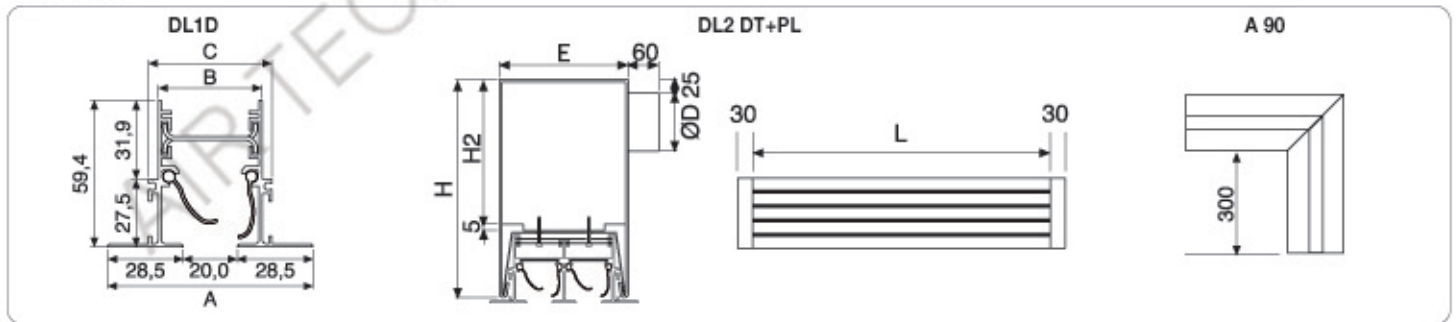
2 intakes $> L = 1600$

Overall dimensions

No. slots	A	B	C	D Ø	H	H2	E
1	77	39.4	46.4	158	300	240	60
2	115.5	78.5	85.2	198	300	240	98
3	154	117	123.7	198	300	240	137
4	192.5	155.5	162.2	248	300	240	175
5	231	193.4	200.4	248	300	240	213
6	269.5	231.9	238.9	313	365	305	252

Dimensions with head frame (end elements) $L+20$ mm / $C+10$ mm

Dimensions



Selection table for $L = 1000$ - $V_t = 0.375$ m/s

No. slots	Flow rate (m³/h)																	
	60		100		150		200		250		300		400		500		600	
1	-	1.9	24	3.1	35	4.7												
	2.4	5.1	4	14	6	32												
2			-	2.2	20	3.3	27	4.4	33	5.5	38	6.6						
			2	3.5	3	8	4	14	5	22	6	32						
3					-	2.7	18	3.6	24	4.5	29	5.4	37	7.2				
					2	3.5	2.6	6.3	3.3	10	4	14	5.3	25				
4	NR	L_1					-	3.1	18	3.9	23	4.7	30	6.2	36	7.8	41	9.3
	v_k	Δp_k					2	3.5	2.5	5.5	3	8	4	14	5	22	6	32

The NR values do not take into account room attenuation

K factors for other v_k

v_k (m/s)	0.25	0.375	0.50	0.625
L_1 (m) x	1.50	1	0.75	0.60

A = With ceiling effect
B = Without ceiling effect

K factor for vertical throw

L_1	Δt (K)	-10	0	+15	v_k	Δp_k	NR
		Ax	x0.8	x0.5	x0.3	x0.45	x0.8
	B	x0.55	x0.35	x0.2			