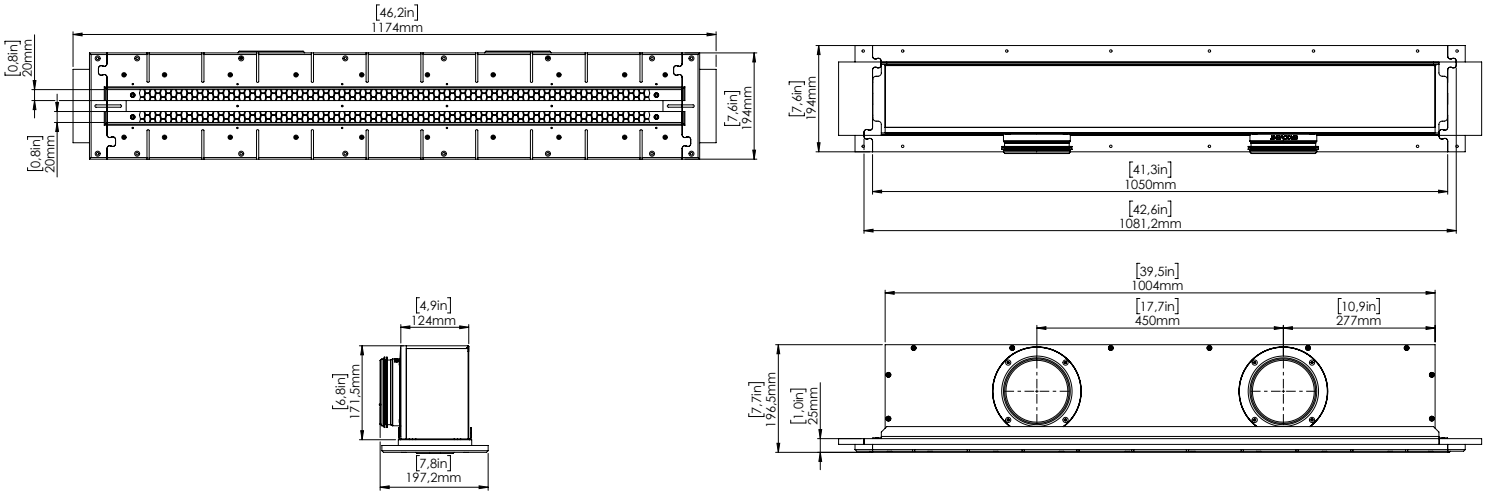
ERGOVENT

LINEO PRO PUZZLE 125

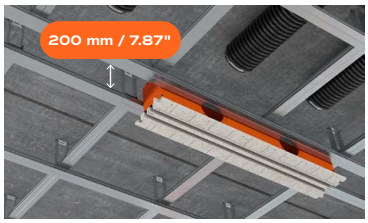
Hidden ventilation diffusers for air conditioning

125 mm jungtys / 2 plyšiai × 1050 mm × 20 mm / su sklende

Dviejų plyšių, priglaistomas linijinis difuzorius sukurtas montuoti į gipso kartono lubas **vėdinimo ir kondicionavimo sistemoms**. Po montavimo difuzorius glaistomas ir dažomas kartu su lubomis – matomas išlieka tik dviejų plyšių elementas, kuris tampa stilinga interjero detale. Yra galimybė jungti į ilgas linijas – suderinamas su PUZZLE difuzoriais, turinčiais 75 mm arba 90 mm pajungimus. Dėžutė pagaminta iš 10 mm termoizoliacinės PVC plokštės.

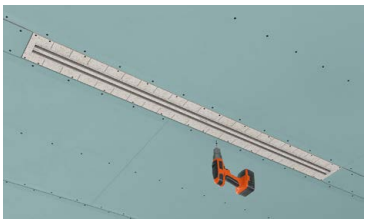


Installation width between profiles:
135 mm / ≈ 5,31"



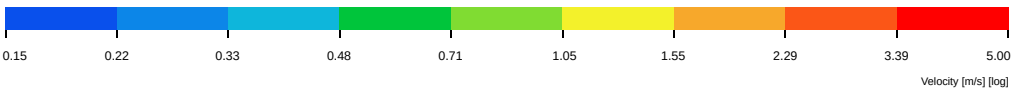
Minimum installation height:
200 mm / ≈ 7.87"

Patented technical solution: the PUZZLE LOCK system allows diffusers to be connected.

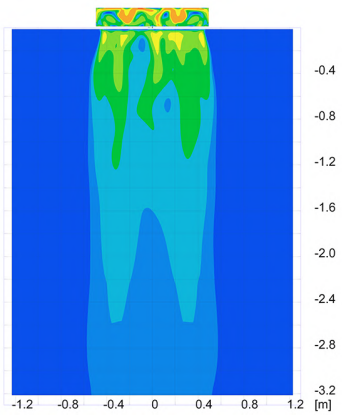


Important: During installation, **all fixing screws** must be fully tightened.

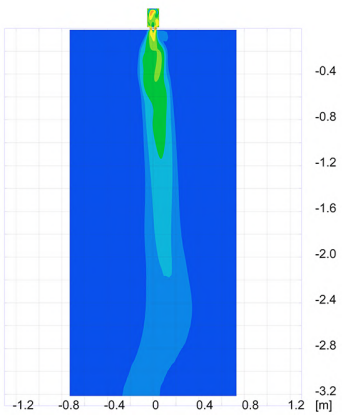
THROW DISTANCE



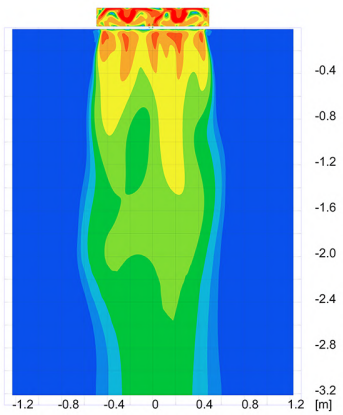
190 m³/h



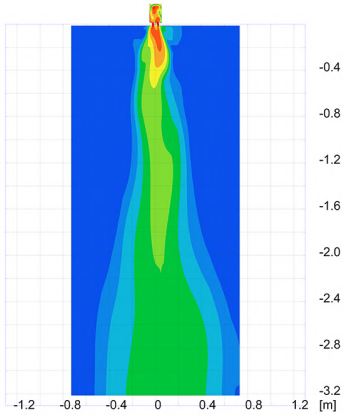
190 m³/h



400 m³/h



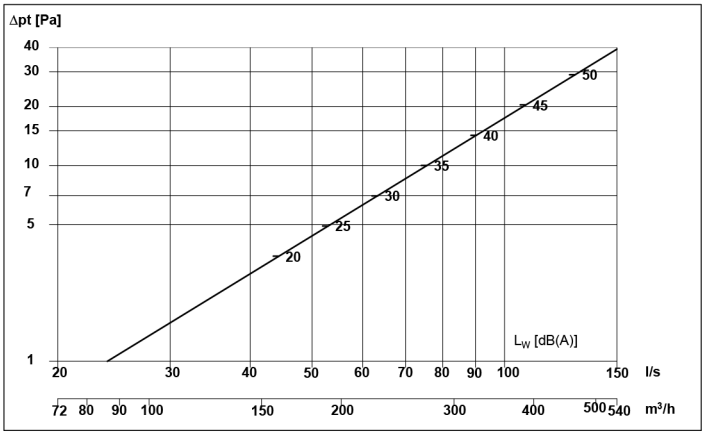
400 m³/h



FLOW NOISE (in accordance with ISO 3741) and PRESSURE DROP test report

SUPPLY

Diagram for pressure and flow noise:



L_{Woct} [dB] = L_{WA} + K_{oct}

q [l/s]	Dp_t [Pa]	L_{WA} [dBA]			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
-	-	33		K_{oct}	-37	-1	-1	1	-6	-13	-22	-23

Octave correction factors to the diagram are calculated at the listed value of either q, Δp_t or L_{WA}/L_{pA}

Calculation of pressure and sound effect according to flow:

Sound effect: $L_{W(oct\ or\ A)} = k \cdot \log(q) + L_0$

Total pressuredrop: $\Delta p_t = c_{pt} \cdot q^2$

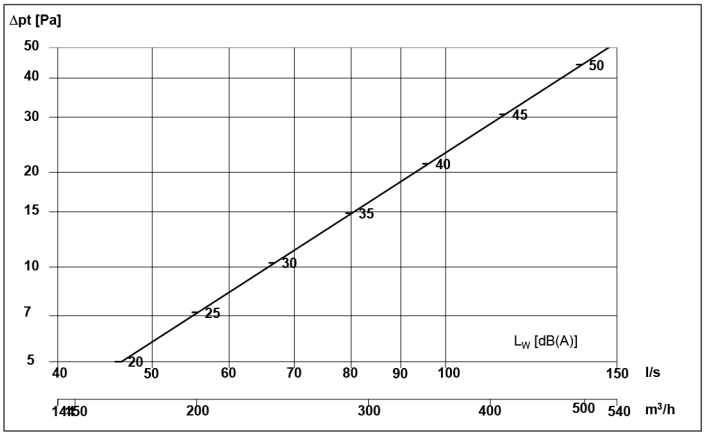
Balancing: $q = K_{factor} \cdot \sqrt{p_i}$

L_W - sound effect [dB]
k - factor, sound effect [-]
L_0 - addend, sound effect [-]
Δp_t - total pressuredrop [Pa]
c_{pt} - factor, total pressuredrop [Pa·s²/l²]
q - flow [l/s]
K_{factor} - factor, balancing [l/(s·√Pa)]
p_i - pressuredifference, balancing [Pa]

	Total p c_{ptot}	Balancing K-factor		LwA	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	0.0017	Not measured	k	64.7	76.6	63.3	58.2	73.2	77.7	89.5	30.6	31.1
			Lo	-86.6	-105.0	-80.0	-69.4	-104.0	-119.2	-149.8	-41.5	-41.8

EXTRACT

Diagram for pressure and flow noise:



L_{Woct} [dB] = L_{WA} + K_{oct}

q [l/s]	Dp_t [Pa]	L_{WA} [dBA]			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
-	-	33		K_{oct}	6	5	6	-4	-11	-18	-19	-20

Octave correction factors to the diagram are calculated at the listed value of either q, Δp_t or L_{WA}/L_{pA}

Calculation of pressure and sound effect according to flow:

Sound effect: $L_{W(oct\ or\ A)} = k \cdot \log(q) + L_0$

Total pressuredrop: $\Delta p_t = c_{pt} \cdot q^2$

Balancing: $q = K_{factor} \cdot \sqrt{p_i}$

L_W - sound effect [dB]
k - factor, sound effect [-]
L_0 - addend, sound effect [-]
Δp_t - total pressuredrop [Pa]
c_{pt} - factor, total pressuredrop [Pa·s²/l²]
q - flow [l/s]
K_{factor} - factor, balancing [l/(s·√Pa)]
p_i - pressuredifference, balancing [Pa]

	Total p c_{ptot}	Balancing K-factor		LwA	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	0.0023	Not measured	k	63.4	46.4	63.1	60.6	63.0	74.8	82.8	62.6	63.3
			Lo	-85.7	-47.8	-80.1	-74.3	-88.5	-117.6	-140.0	-103.3	-105.0