



**E-TAVEX**

Long throw pattern jet nozzle



## **E-TAVEX**

Jet air supply for cold, warm or isothermal made of aluminium. Long throw pattern with low velocity decay. It is available in white colour.

### **Fixture:**

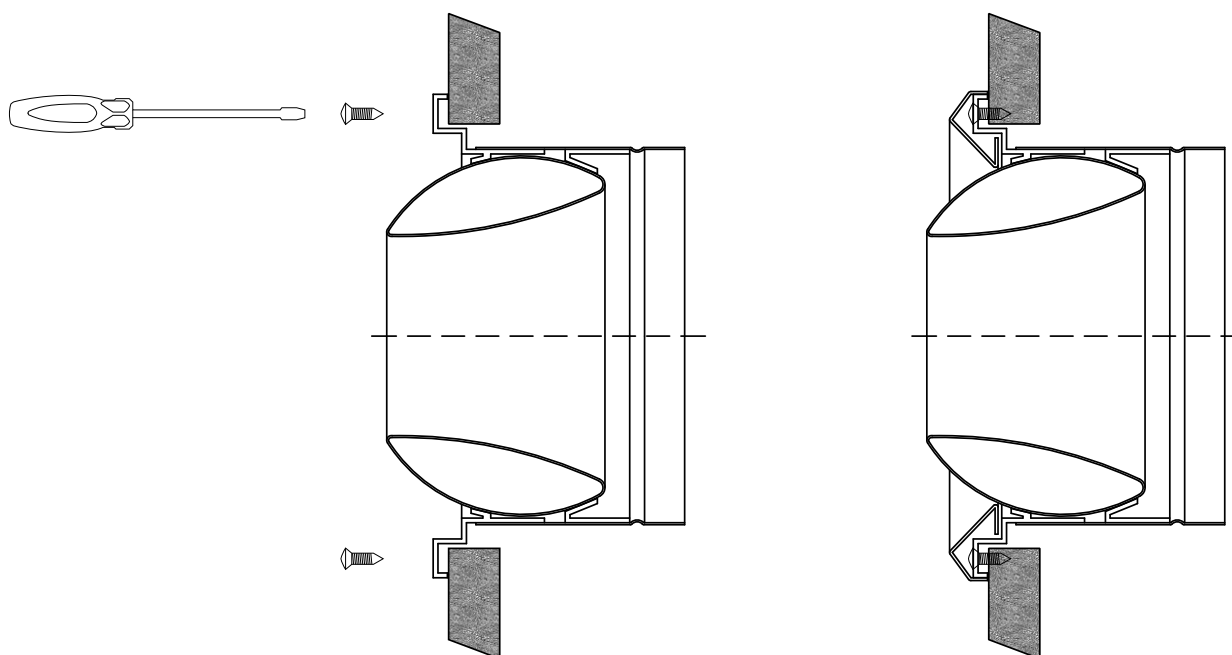
- ✓ Screws

**Finish:** White.

**Applications:** The E-TAVEX nozzles must be used in very large rooms such as gyms, theatres, exhibition halls and even airports.



## Fixtures E-TAVEX



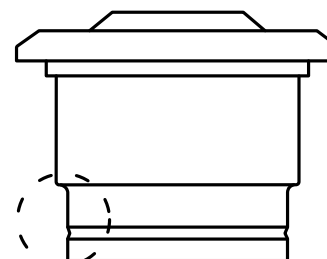
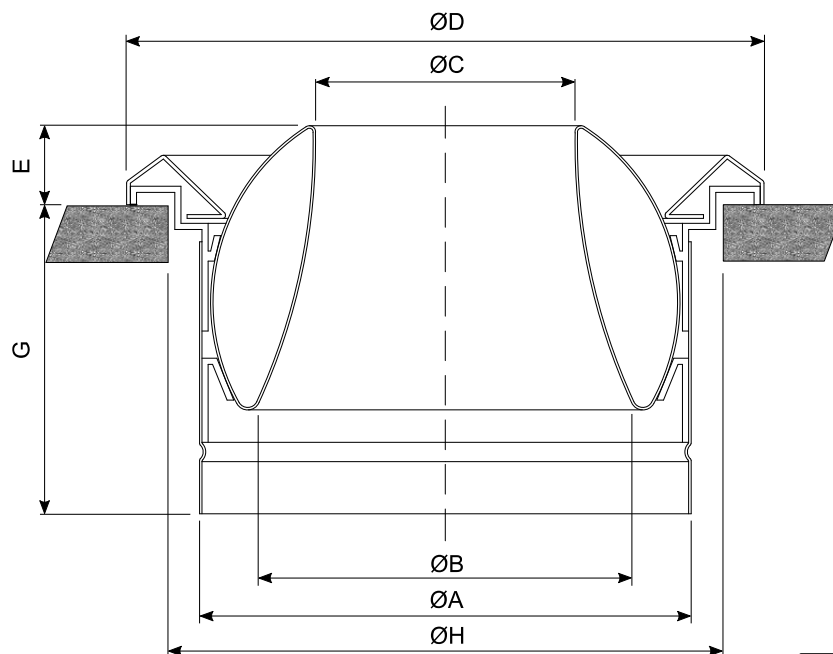
### **Screws:**

1. Make the hole.
2. Remove the front bezel by turning it.
3. Position the nozzle and mark the holes to be made.
4. Drill the fixing Surface.
5. Position the nozzle and screw it on (screws no included).
6. Replace the bezel by turning it clockwise.



## Dimensions E-TAVEX

Hole =  $\varnothing$  H

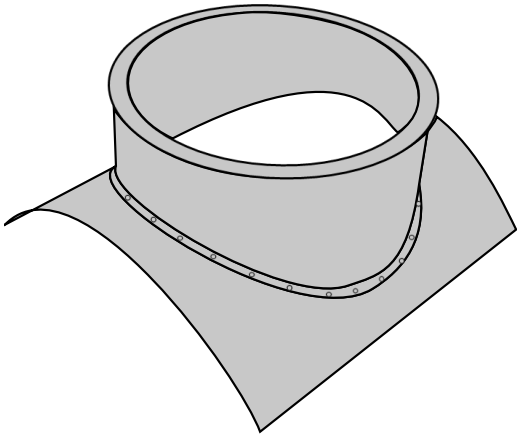


Detalle especial  
en modelo  $\varnothing$  150

	150	200	250	315
$\varnothing$ A	145	198	248	310
$\varnothing$ B	120	150	200	245
$\varnothing$ C	85	105	135	185
$\varnothing$ D	212	258	304	375
E	28	32	41	51
G	115-135	120-130	150-160	160-170
$\varnothing$ Hole	177	225	269	340



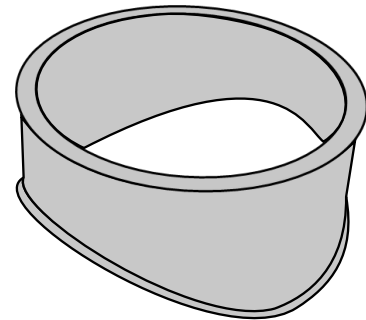
## Accessories E-TAVEX



**CONNECTOR TYPE 1**

**Connector type 1:** Accessory to connect the E-TAVEX to circular duct.

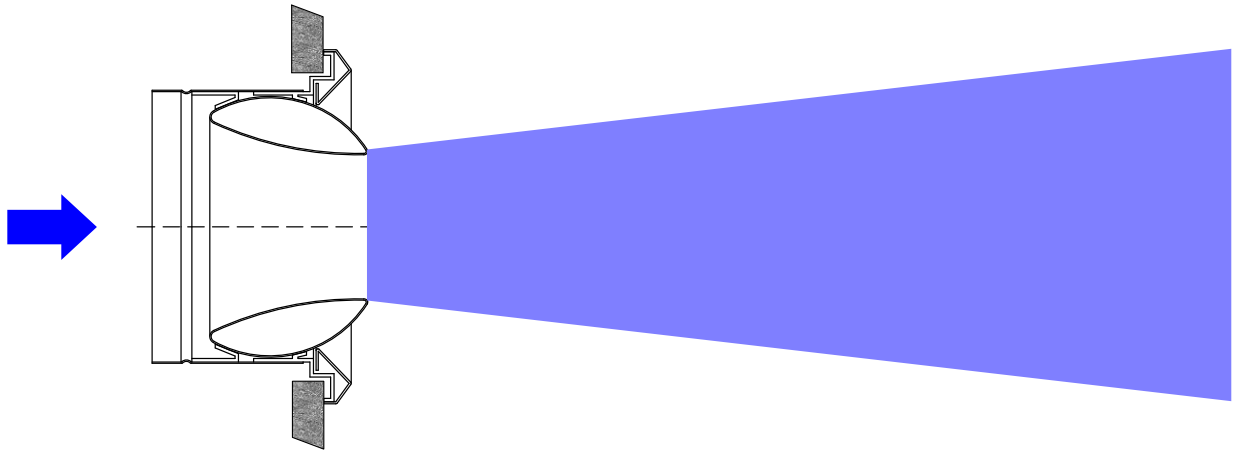
**Connector type 2:** Accessory to connect the E-TAVEX to circular duct.



**CONNECTOR TYPE2**



## Air diffusion E-TAVEX





## Selection table E-TAVEX

SIZE		150	200	250	315
m <sup>3</sup> /h	A <sub>K</sub> [m <sup>2</sup> ]	0,004	0,008	0,013	0,02
100	V <sub>k</sub> [m/s]	7,3	3,6		
	X <sub>0,25</sub> X <sub>0,5</sub> X <sub>1,0</sub> [m]	12,6 6,3 3,1	8,8 4,4 2,2		
	P <sub>t</sub> [Pa]	27	6		
	L <sub>wA</sub> [dB(A)]	<10	<10		
150	V <sub>k</sub> [m/s]	11	5,4	3,2	2,1
	X <sub>0,25</sub> X <sub>0,5</sub> X <sub>1,0</sub> [m]	18,9 9,4 4,7	13,2 6,6 3,3	10,2 5,1 2,5	8,2 4,1 2
	P <sub>t</sub> [Pa]	61	15	5	2
	L <sub>wA</sub> [dB(A)]	21	<10	<10	<10
200	V <sub>k</sub> [m/s]	14,7	7,2	4,3	2,8
	X <sub>0,25</sub> X <sub>0,5</sub> X <sub>1,0</sub> [m]	25,3 12,6 6,3	17,7 8,8 4,4	13,6 6,8 3,4	11 5,5 2,7
	P <sub>t</sub> [Pa]	108	26	9	4
	L <sub>wA</sub> [dB(A)]	30	11	<10	<10
300	V <sub>k</sub> [m/s]	22	10,8	6,4	4,2
	X <sub>0,25</sub> X <sub>0,5</sub> X <sub>1,0</sub> [m]	>30 18,9 9,4	26,5 13,2 6,6	20,4 10,2 5,1	16,5 8,2 4,1
	P <sub>t</sub> [Pa]	243	58	20	9
	L <sub>wA</sub> [dB(A)]	42	23	<10	<10
400	V <sub>k</sub> [m/s]	29,4	14,4	8,5	5,6
	X <sub>0,25</sub> X <sub>0,5</sub> X <sub>1,0</sub> [m]	>30 25,3 12,6	>30 17,7 8,8	27,2 13,6 6,8	22,1 11 5,5
	P <sub>t</sub> [Pa]	432	103	36	16
	L <sub>wA</sub> [dB(A)]	51	32	18	<10
500	V <sub>k</sub> [m/s]		18	10,6	7
	X <sub>0,25</sub> X <sub>0,5</sub> X <sub>1,0</sub> [m]		>30 22,1 11	>30 17 8,5	27,6 13,8 6,9
	P <sub>t</sub> [Pa]		102	57	25
	L <sub>wA</sub> [dB(A)]		39	25	14
600	V <sub>k</sub> [m/s]		21,6	12,8	8,4
	X <sub>0,25</sub> X <sub>0,5</sub> X <sub>1,0</sub> [m]		>30 26,8 13,2	>30 20,4 10,2	>30 16,5 8,2
	P <sub>t</sub> [Pa]		233	81	35
	L <sub>wA</sub> [dB(A)]		44	30	20
800	V <sub>k</sub> [m/s]		28,8	17	11,2
	X <sub>0,25</sub> X <sub>0,5</sub> X <sub>1,0</sub> [m]		>30 >30 17,7	>30 27,2 13,6	>30 22,1 11
	P <sub>t</sub> [Pa]		414	145	63
	L <sub>wA</sub> [dB(A)]		53	39	28
1000	V <sub>k</sub> [m/s]			21,3	14
	X <sub>0,25</sub> X <sub>0,5</sub> X <sub>1,0</sub> [m]			>30 >30 17	>30 27,6 13,8
	P <sub>t</sub> [Pa]			226	98
	L <sub>wA</sub> [dB(A)]			46	35
1250	V <sub>k</sub> [m/s]				17,5
	X <sub>0,25</sub> X <sub>0,5</sub> X <sub>1,0</sub> [m]				>30 >30 17,2
	P <sub>t</sub> [Pa]				154
	L <sub>wA</sub> [dB(A)]				42
1500	V <sub>k</sub> [m/s]				21,1
	X <sub>0,25</sub> X <sub>0,5</sub> X <sub>1,0</sub> [m]				>30 >30 20,7
	P <sub>t</sub> [Pa]				222
	L <sub>wA</sub> [dB(A)]				47

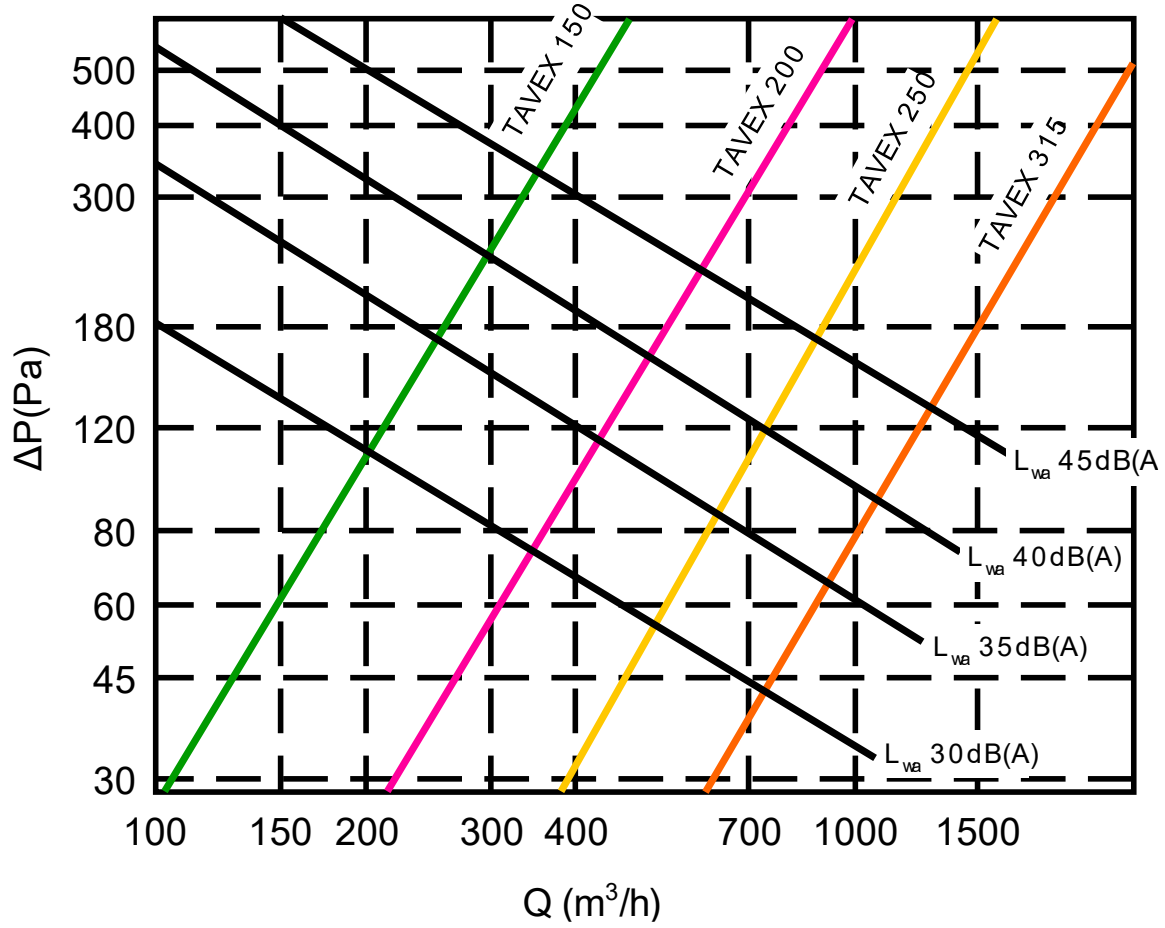
### Note:

- V<sub>k</sub> = Effective velocity      A<sub>k</sub> = Effective surface      P<sub>t</sub> = Pressure loss
- L<sub>wA</sub> = Sound level



## Selection graphs E-TAVEX

$\Delta P(\text{Pa}) - Q(\text{m}^3/\text{h})$ :



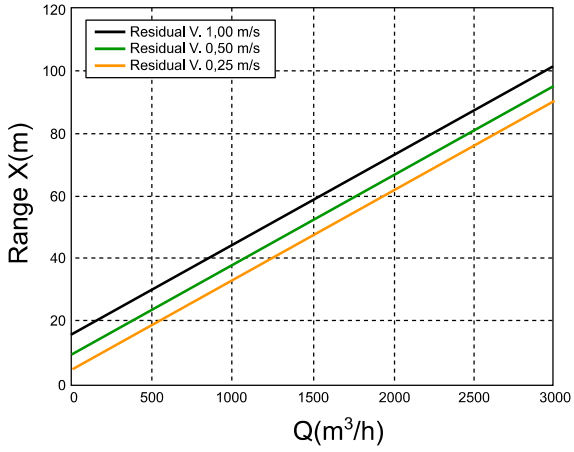




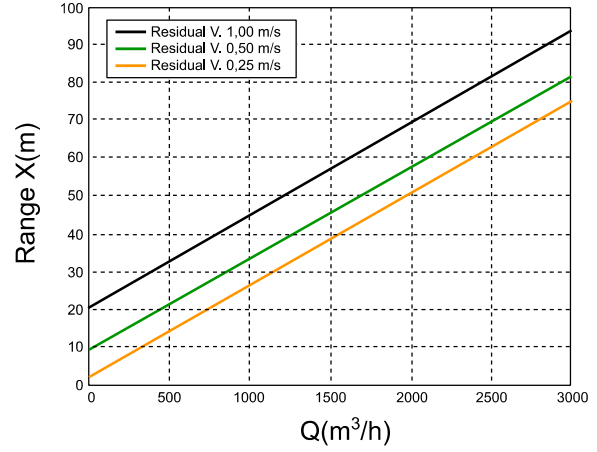
## Selection graphs E-TAVEX

Range:

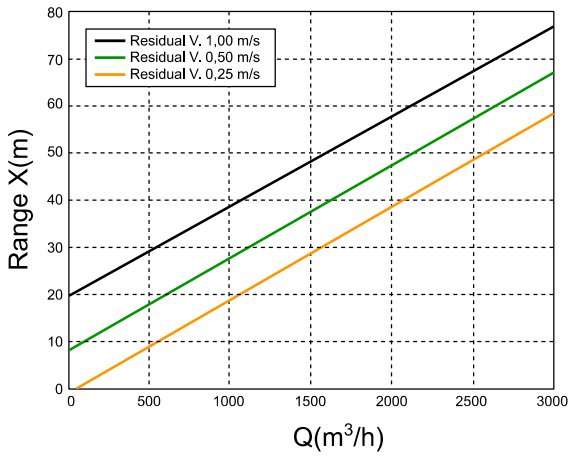
TAVEX 150



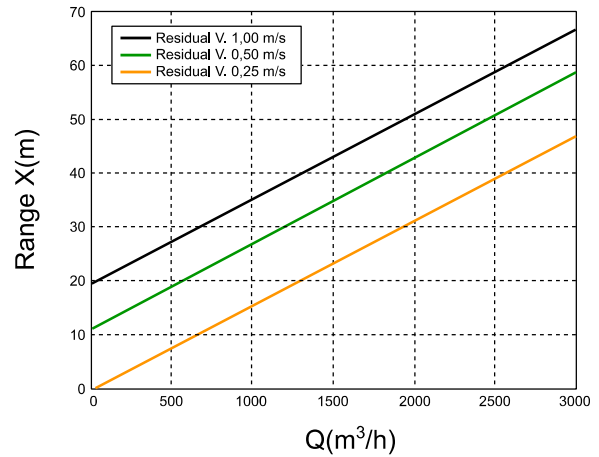
TAVEX 200



TAVEX 250



TAVEX 315





**EXAMPLE OF SELECTION**

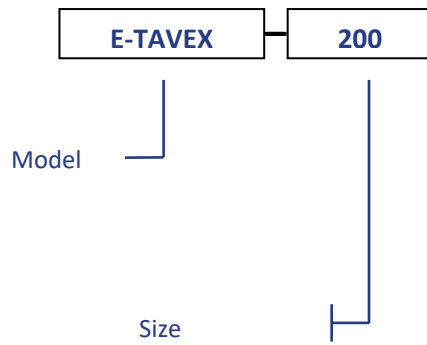
Data: Supply air Flow rate  $Q = 300 \text{ m}^3/\text{h}$   
 Range = 10 m a 0.5 m/s residual velocity

Results: Size 200  
 Effective velocity  $V_k = 10,8 \text{ m/s}$   
 Sound level  $L_{wA} = 23 \text{ dB(A)}$

SIZE		150	200	250	315
$\text{m}^3/\text{h}$	$A_k [\text{m}^2]$	0,004	0,008	0,013	0,02
300	$V_k [\text{m/s}]$	22	10,8	6,4	4,2
	$X_{0,25} X_{0,5} X_{1,0} [\text{m}]$	>30 18,9 9,4	26,5 13,2 6,6	20,4 10,2 5,1	16,5 8,2 4,1
	Pt [Pa]	243	58	20	9
	$L_{wA} [\text{dB(A)}]$	42	23	<10	<10



**Order reference:**



Example: E-TAVEX-200: jet nozzle E-TAVEX size 200mm white.