



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:

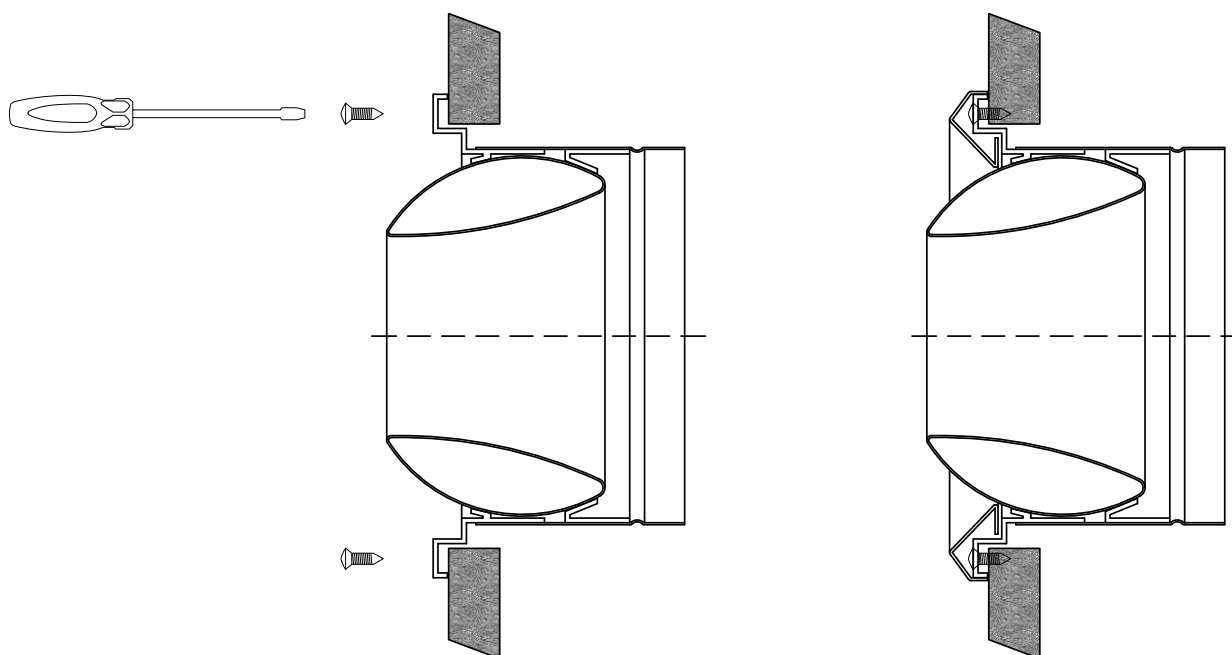
- ✓ Screws

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



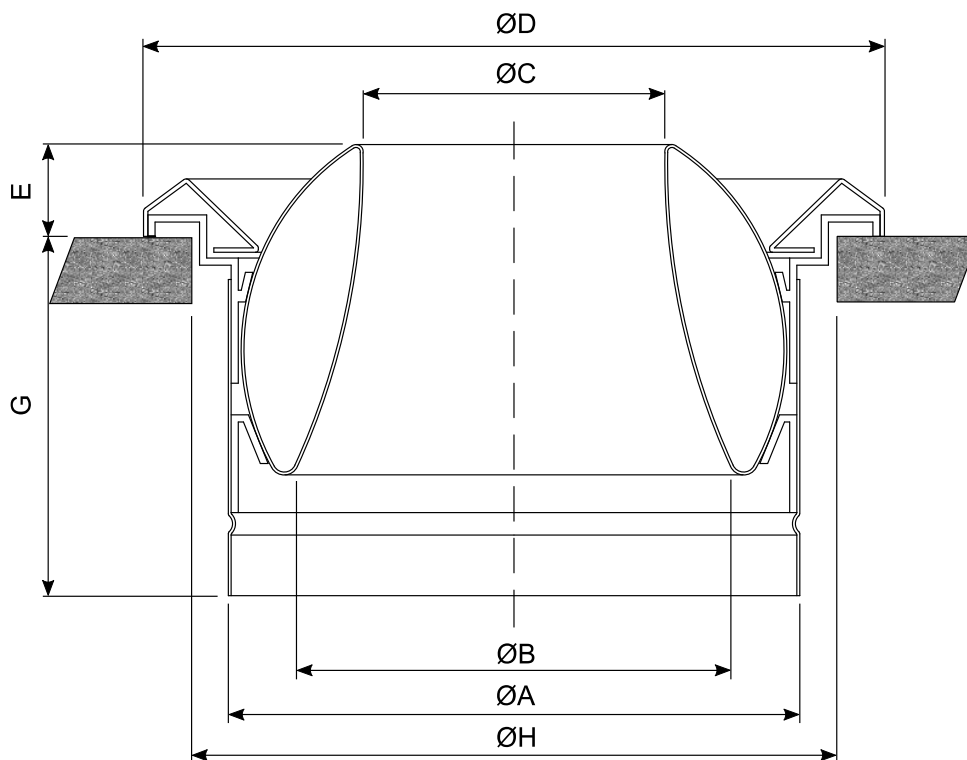
Screws:

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

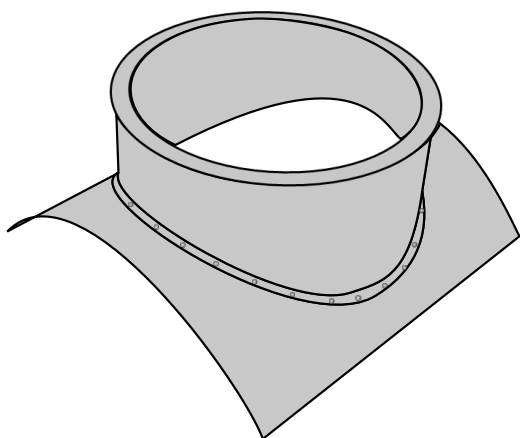
Hole = ϕ H



	150	200	250	315
ØA	145	198	248	310
ØB	120	150	200	245
ØC	85	105	135	185
ØD	212	258	304	375
E	28	32	41	51
G	115-135	120-130	150-160	160-170
ØHole	177	225	269	340



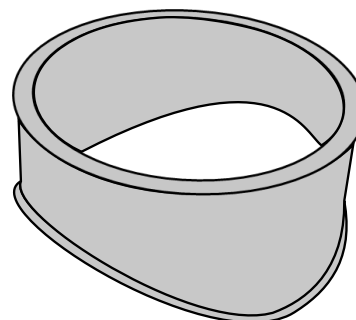
Accessories E-TAVEX



CONNECTOR TYPE 1

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

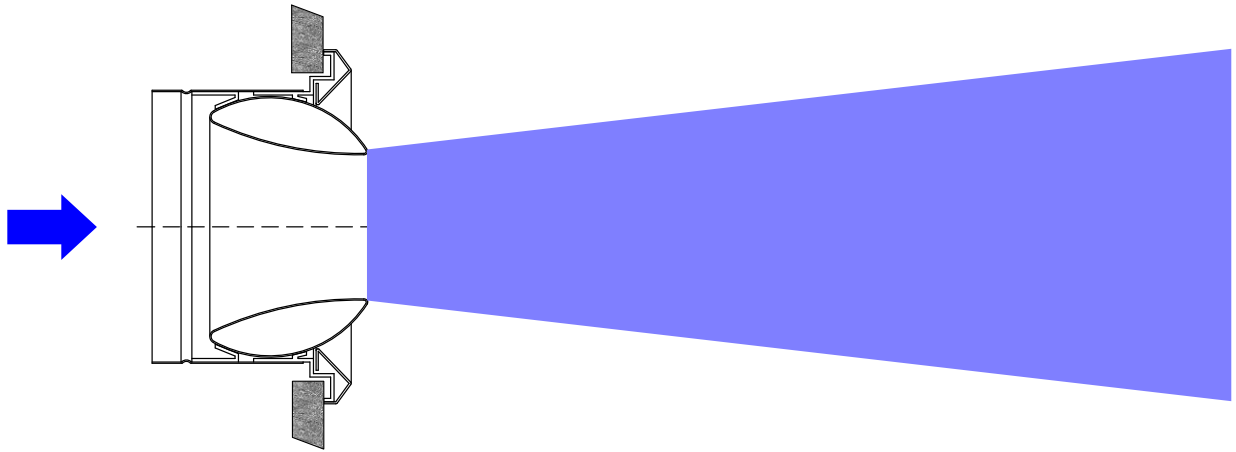
Connector type 2: Accessory to connect the E-TAVEX to circular duct.



CONNECTOR TYPE2



Air diffusion E-TAVEX





Selection table E-TAVEX

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

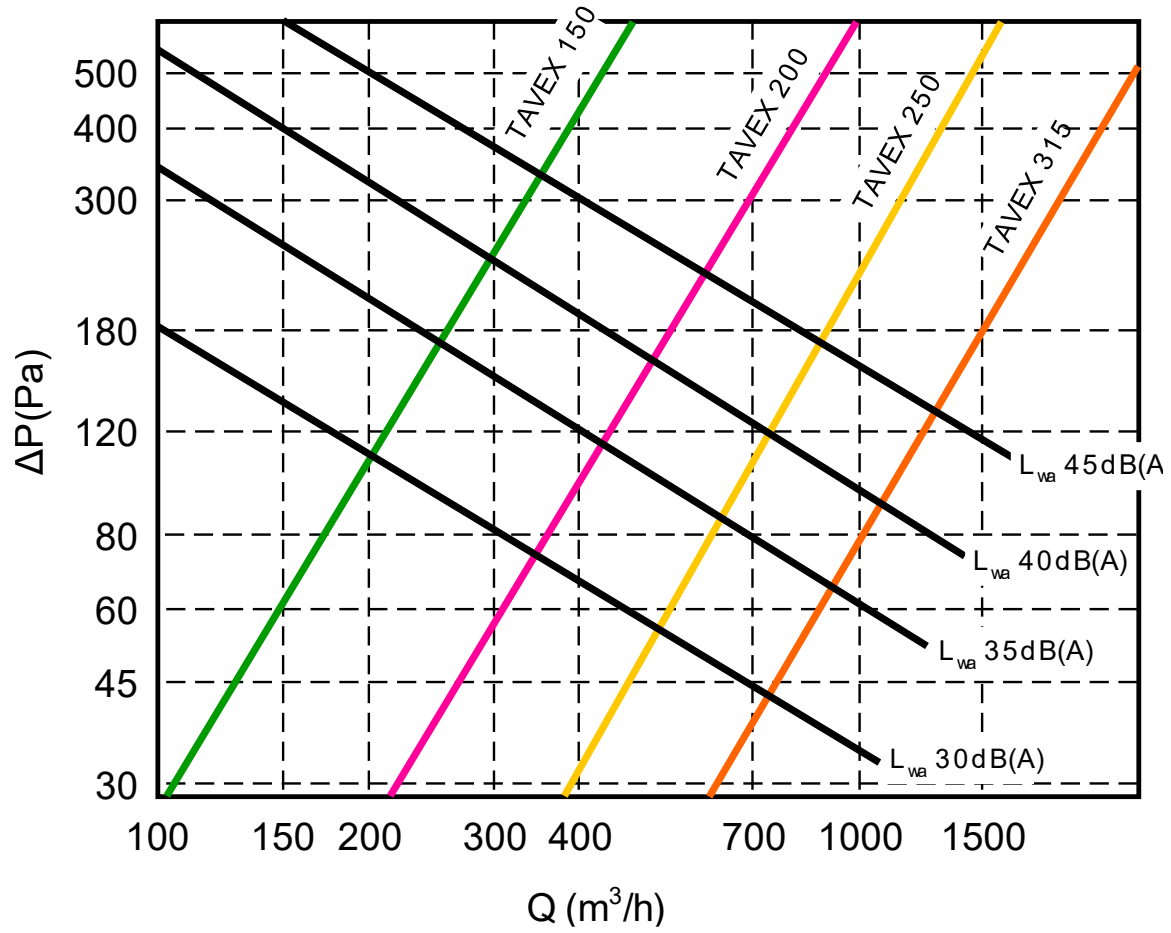
Note:

- V_K = Effective velocity A_K = Effective surface P_t = Pressure loss
- L_{WA} = Sound level



Selection graphs E-TAVEX

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

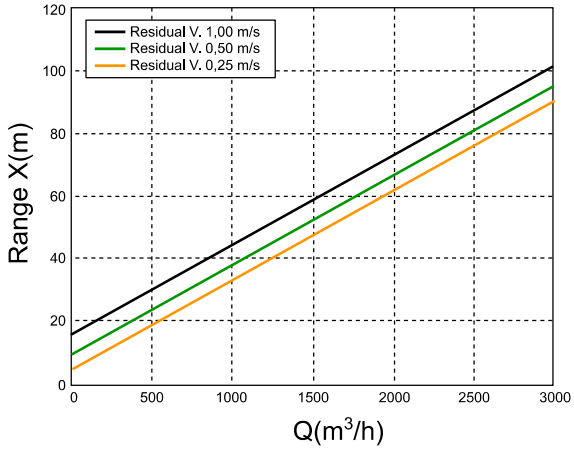




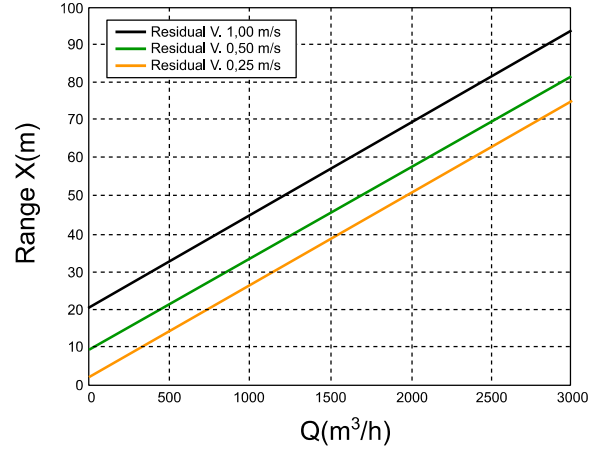
Selection graphs E-TAVEX

Range:

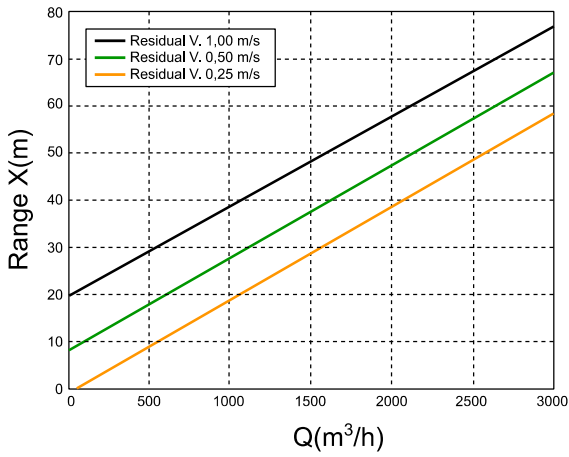
TAVEX 150



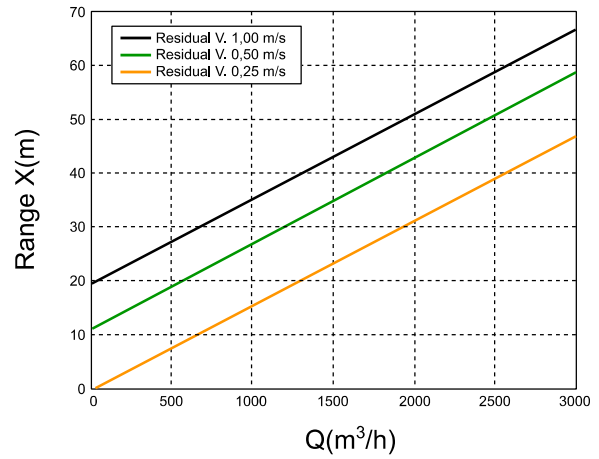
TAVEX 200



TAVEX 250



TAVEX 315





EXAMPLE OF SELECTION

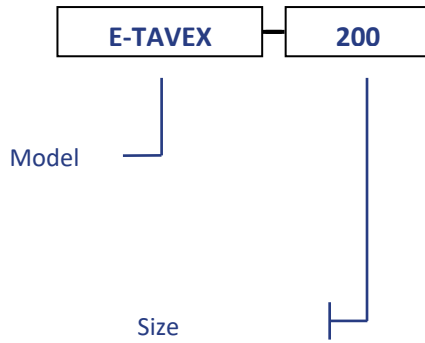
Data: Supply air Flow rate $Q = 300 \text{ m}^3/\text{h}$
Range = 10 m a 0.5 m/s residual velocity

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
m^3/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.