ERT-A 200T

Galvanised steel ait-tight regulation damper

200 mm pitch

MADE IN ITALY

Technical data sheet

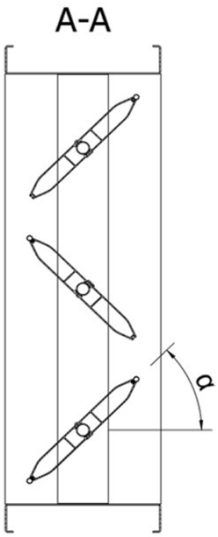
Rev.00

ecoclima

AIR EVOLUTION

ERT200T

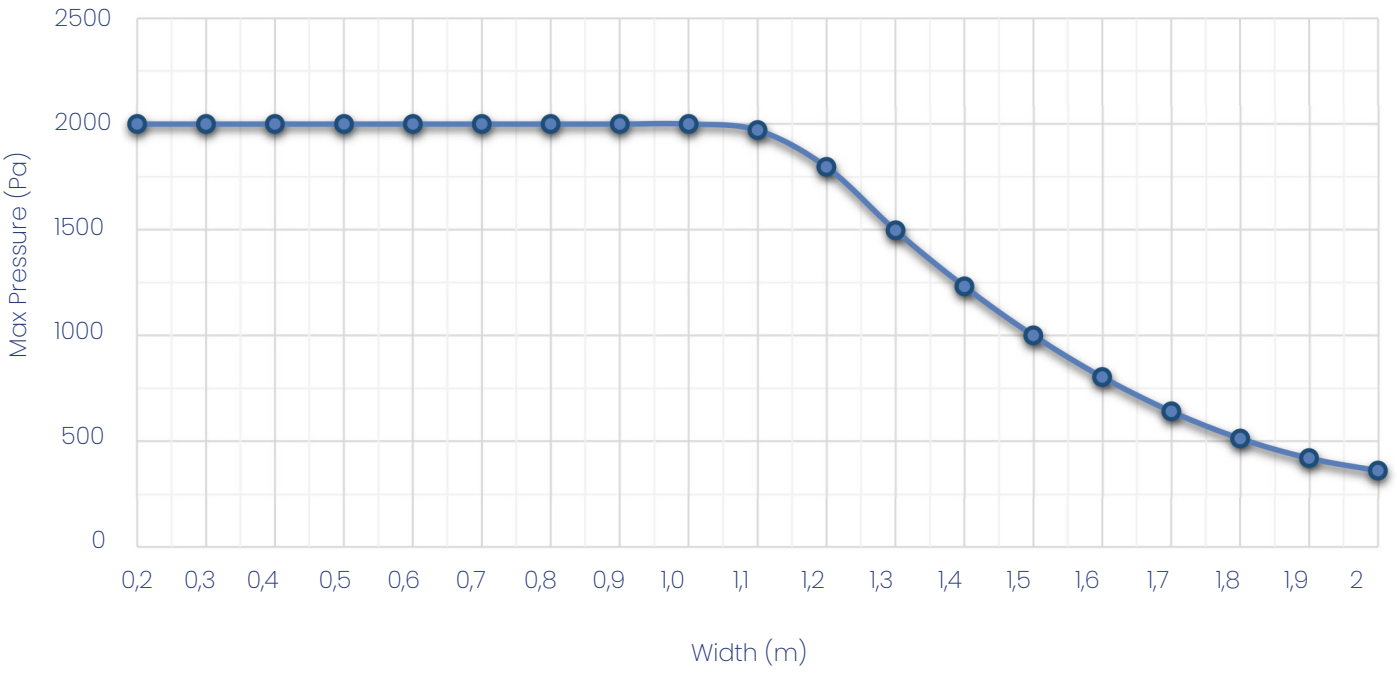
Air speed	alfa = 0°		alfa = 30°		alfa = 60°	
m/s	dP	L_wA	dP	L_wA	dP	L_wA
1	<5	<20	6	32	130	49
2	<5	23	23	49	520	69
3	<5	34	52	58	1185	76
4	<5	42	94	66	1350	83
5*	<5	48	145	71	>1500	87
6*	<5	53	215	75	>1500	92
7*	7	57	290	79	>1500	95
8*	9	61	380	83	>1500	98
9*	11	64	480	86	>1500	>100
10*	13	68	580	88	>1500	>100
11*	16	71	700	91	>1500	>100
12*	19	73	830	93	>1500	>100
13*	22	75	975	95	>1500	>100
14*	25	77	1130	97	>1500	>100
15*	27	79	1300	99	>1500	>100



* Please note that excessively high speeds can lead to excessive noise and pressure drop, particularly when the damper is partially closed.

dP pressure drop (Pa)
L_wA sound power (dB(A))

Graph of the maximum pressure allowable.



In the next table the values of the torque, in Nm, depending the damper dimensions. They can be controlled via a Belimo on/off actuator or a safety actuator with spring return, available in 230 VAC and 24 VAC versions.

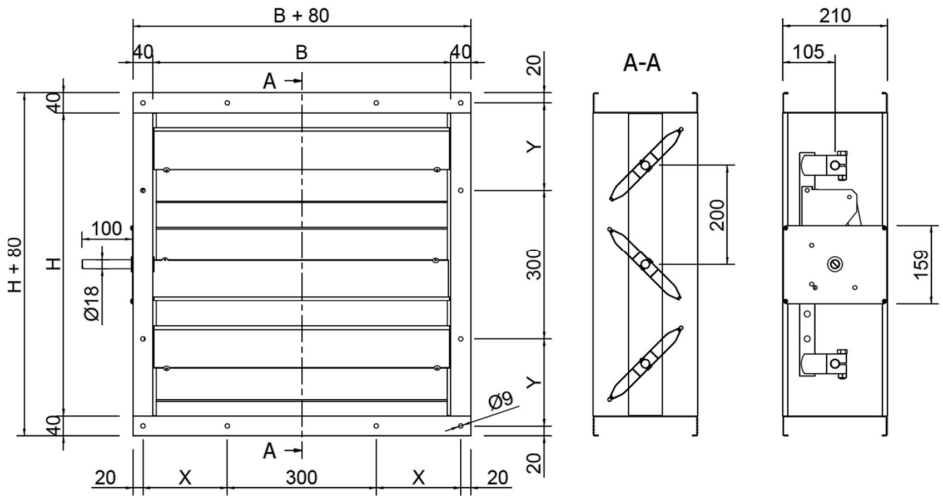
		Base (mm)																		
		200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Height (mm)	210	5	5	10	10	10	10	10	10	10	15	15	15	15	15	15	20	20	20	20
	410	10	10	10	10	10	10	10	15	15	15	15	15	15	15	20	20	20	20	20
	610	10	10	10	10	10	10	10	15	15	15	20	20	20	20	20	20	20	20	20
	810	10	10	10	15	15	15	15	20	20	20	20	20	20	20	25	25	25	30	30
	1010	10	10	15	15	15	15	20	20	20	20	20	25	25	25	25	30	30	30	30
	1210	15	15	15	15	15	20	20	20	20	25	25	25	25	30	30	30	30	30	40*
	1410	15	15	15	20	20	20	20	25	25	25	30	30	30	30	30	40*	40*	40*	40*
	1610	15	20	20	20	20	20	25	25	25	30	30	30	30	40*	40*	40*	40*	40*	50*
	1810	20	20	20	20	20	25	25	25	30	30	30	30	40*	40*	40*	40*	50*	50*	50*
	2010	20	20	20	20	25	25	25	30	30	30	40*	40*	40*	40*	50*	50*	50*	50*	50*

* A shutter fitted with two control pins protruding from the same side

In the next table the values of the weight, in kg, depending the damper dimensions.

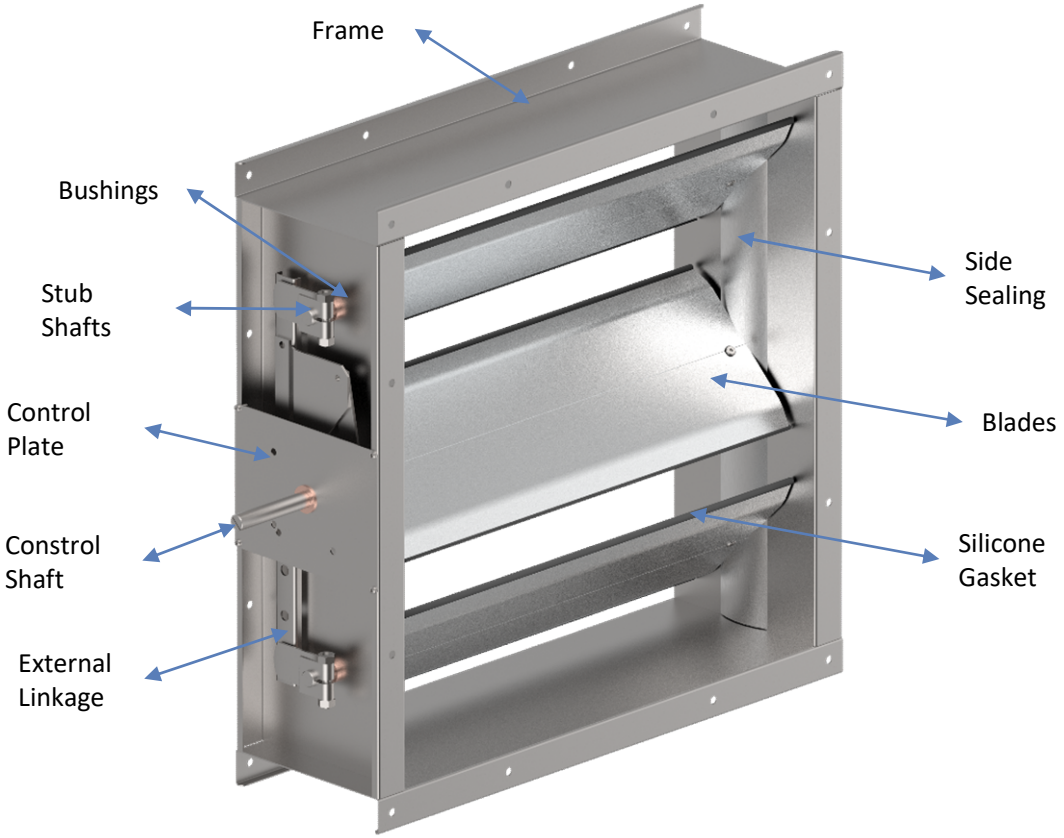
		Base (mm)																		
		200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Height (mm)	210	6,0	7,0	8,1	9,1	10,1	11,1	12,1	13,2	14,2	15,2	16,7	17,2	18,3	19,3	20,3	21,3	22,3	23,4	24,4
	410	9,0	10,2	11,4	12,6	13,8	15,0	16,2	17,4	18,6	19,8	21,0	22,2	23,4	24,6	25,8	27,0	28,2	29,4	30,6
	610	11,9	13,3	14,7	16	17,4	18,8	20,2	21,6	22,9	24,3	25,7	27,1	28,5	29,8	31,2	32,6	34,0	35,4	36,7
	810	14,8	16,4	18,0	19,5	21,1	22,6	24,2	25,8	27,3	28,9	30,4	32,0	33,6	35,1	36,7	38,2	39,8	41,4	42,9
	1010	17,8	19,5	21,3	23,0	24,7	26,5	28,2	30,0	31,7	33,4	35,2	36,9	38,7	40,4	42,1	43,9	45,6	47,4	49,1
	1210	20,7	22,6	24,6	26,5	28,4	30,3	32,2	34,2	36,1	38,0	39,9	41,8	43,8	45,7	47,6	49,5	51,4	53,4	55,3
	1410	23,7	25,8	27,9	30,0	32,1	34,2	36,3	38,4	40,5	42,6	44,7	46,8	48,9	51,0	53,1	55,2	57,3	59,4	61,5
	1610	26,6	28,9	31,2	33,4	35,7	38,0	40,3	42,6	44,8	47,1	49,4	51,7	54,0	56,2	58,5	60,8	63,1	65,4	67,6
	1810	29,5	30,0	34,5	36,9	39,4	41,8	44,3	46,8	49,2	51,7	54,1	56,6	59,1	61,5	64,0	66,4	68,9	71,4	73,8
	2010	32,5	35,1	37,8	40,4	43,0	45,7	48,3	51,0	53,6	56,2	58,9	61,5	64,2	66,8	69,4	72,1	74,7	77,4	80,0

DIMENSIONS



Base Holes			Height Holes		
B	N° Holes	X	H	N° Holes	X
mm		mm	mm		mm
200	/	/	210	/	/
300	/	/	410	1	225
400	1	220	610	1	325
500	1	270	810	2	275
600	1	320	1010	3	225
700	2	220	1210	3	325
800	2	270	1410	4	275
900	2	320	1610	5	225
1000	3	220	1810	5	325
1100	3	270	2010	6	275
1200	3	320			
1300	4	220			
1400	4	270			
1500	5	320			
1600	5	220			
1700	5	270			
1800	5	320			
1900	6	220			
2000	6	270			

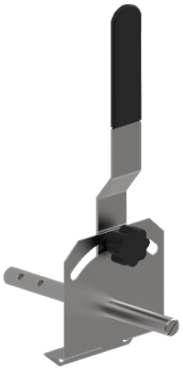
N.B. For dimensions not shown in the table, the number of holes and the starting dimension (X or Y) are determined by referring to the smaller measurement. If X or Y is greater than 369.5 mm, refer to the row above for the number of holes.



- Made from Z200 galvanised steel + natural aluminium;
- Riveted frame, front-welded, 1.5 mm thick, 210 mm deep;
- Frame sealed internally at the corners with silicone for a tight fit;
- 40 mm flange with Ø9 holes, 300 mm pitch, BM=20 mm;
- Fins in natural extruded aluminium alloy EN AW-6060 with silicone sealing gasket;
- Fin pitch 200 mm with opposing movement;
- Side sealing slats in raw 301 stainless steel;
- Bronze bushings;
- End pins Ø18 mm in galvanised steel;
- Fin movement via external galvanised linkages;
- Control pin Ø18, protruding L=100 mm;
- Control plate designed for manual and/or motorised operation (suitable for models with anti-rotation rod).
- Temperature: from -10°C to +180°C (Negative temperatures are achievable only provided that no ice forms);
- Pressure drop tests carried out in accordance with ISO 7244;
- Self-generated noise tests carried out in accordance with UNI EN 25135;
- Leakage test in accordance with DIN 1946/4;
- Leakage test in accordance with EN 1751;
- Sealing class 4C in accordance with EN 1751:2014 and class 4 ATC3 in accordance with EN 1751:2024;

ACCESSORIES

Manual control C-ERTA



Internal control plate support R21Z.

ATEX VERSIONS

The product is available in a version compliant with ATEX Directive 2014/34/EU for installation in potentially explosive atmospheres, classified as Zone 1 or 2 (gas) or Zone 21 or 22 (dust), depending on the requirements.
If fully motorized versions are requested, it is mandatory to use ATEX-certified components (only Schischek-Rotork actuators may be used) and to follow the installation instructions specified for these environments.

The dampers are prearrange with:
- Bronze bushings (standard for air leakage damper);
- For manual operation, round control shaft Ø18 mm L=100 mm (standard shaft);
- For motorized versions, Schischek kit added with control square shaft 12x12 / 16x16 (AISI shaft);
- Grounding tab with corresponding label;
- ATEX certificate.

The available models are:

SUITABLE FOR ZONE 1, 2, 21 e 22.
ATEX version damper simple without actuator equipped withfree round control shaft Ø18 mm L=100mm and/or with manualcontrol (optional heating cables can be installed on the damper).

SUITABLE FOR ZONE 1, 21.
ATEX version damper with ExMax Schischek actuator supplied by us and/or only prepared with Schischek kit (optional heating cables can be installed on the damper).

SUITABLE FOR ZONE 2, 22.
ATEX version damper with RedMax Schischek actuator supplied by us and/or only prepared with Schischek kit (optional heating cables can be installed on the damper).

Kit Schischek Tg.s - Plate + Square shaft Q=12x12

Kit Schischek Tg.M - Plate + Square shaft Q=16x16

CODE

How to order

ERT-A 200T	200	X	210
Galvanised steel shut-off regulation damper 200 mm pitch	**Base** 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1900		**Height** 410 610 810 1010 1210 1410 1610 1810 2010

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AIR EVOLUTION

Head quarter

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