



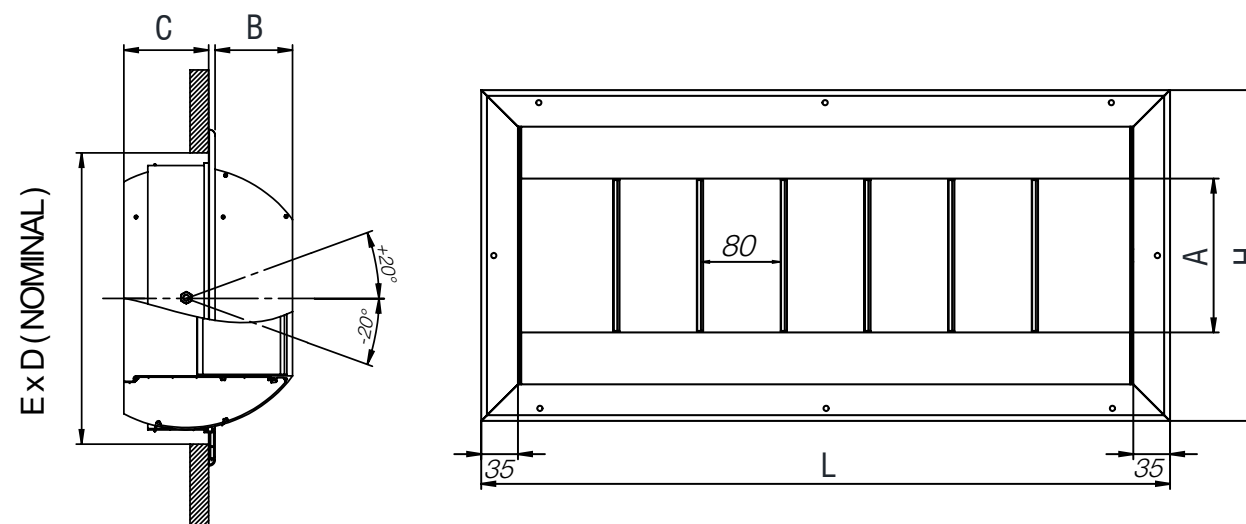
Product manual

Adjustable diffuser

SAP-Q

Air distribution

Version 1.0.1
Date: 27.05.2025



SAP-Q

Manual version of the adjustable long-range diffuser with high flow. SAP-Q provides optimal air distribution control.

- ▼ [Product overview](#)
- ▼ [Selection diagram](#)
- ▼ [Accessories and assembly](#)
- ▼ [Ordering key](#)

ADJUSTABLE DIFFUSER

AIR DISTRIBUTION

DIMENSIONS

Type	Nominal dimension E x D (mm)	A (mm)	B (mm)	C (mm)	H (mm)	L (mm)	Number of fins
SAP-Q-1	300 x 165	82	34	60	216	349	2
SAP-Q-2	600 x 165	82	34	60	216	648	6
SAP-Q-3	600 x 267	147	73	80	316	648	6
SAP-Q-4	1200 x 267	147	73	80	316	1249	14
SAP-Q-5	1040 x 380	229	111	103	423	1089	12

ADVANTAGES

- Long-range diffuser
- Horizontal or vertical air jet direction

MATERIAL AND FINISH

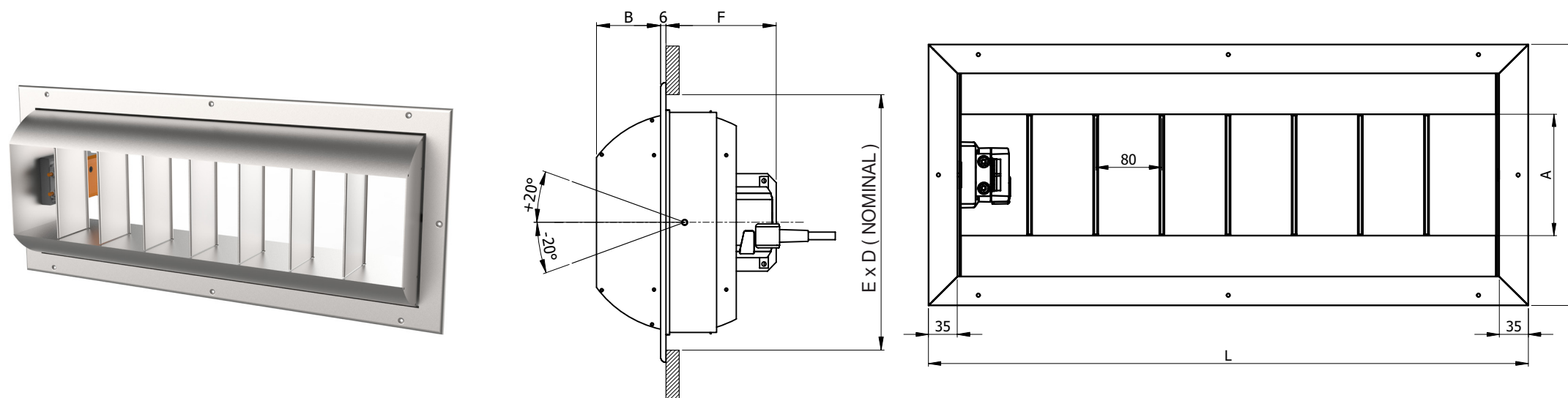
- Frame and fins in extruded aluminium
- Movable blades for directing the air jet (width of jet)
- Swivelling diffuser for altering direction of air jet $\pm 20^\circ$
- Screw mounted

APPLICATION

- Heating and cooling of tertiary or industrial buildings: workshops, supermarkets, warehouses, gymnasiums, hi-bays, etc

VERSIONS

- Installation subframe
- L damper
- Other RAL colors possible



SAP-Q-ER

Motorized version of the adjustable long-range diffuser with high flow. SAP-Q-ER provides optimal air distribution control.

- ▼ [Product overview](#)
- ▼ [Selection diagram](#)
- ▼ [Accessories and assembly](#)
- ▼ [Ordering key](#)

ADJUSTABLE DIFFUSER

AIR DISTRIBUTION

DIMENSIONS

Type	Nominal dimension E x D (mm)	A (mm)	B (mm)	F (mm)	H (mm)	L (mm)	Number of fins
SAP-Q-ER-3	677 x 267	147	73	85	316	725	7
SAP-Q-ER-4	1277 x 267	147	73	85	316	1326	15
SAP-Q-ER-5	1117 x 380	229	111	110	428	1166	13

ADVANTAGES

- Long-range diffuser
- Horizontal or vertical air jet direction
- Motorised version for Dirig'Air regulation

MATERIAL AND FINISH

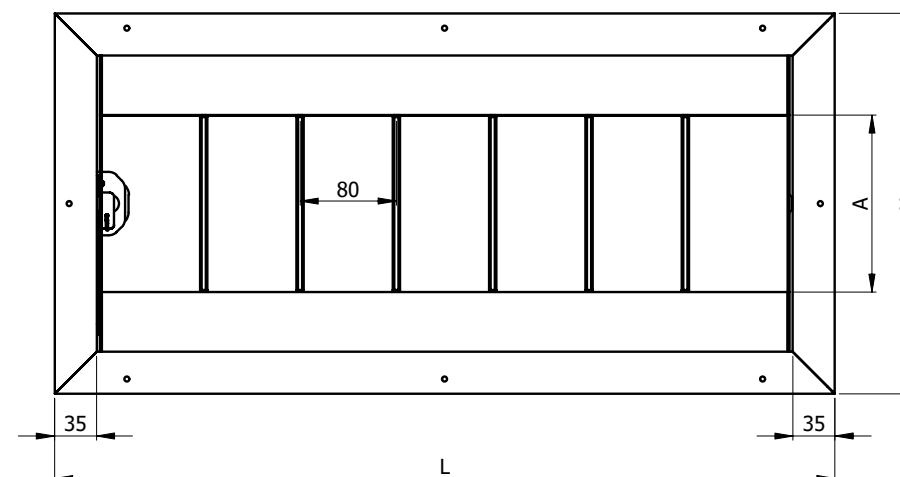
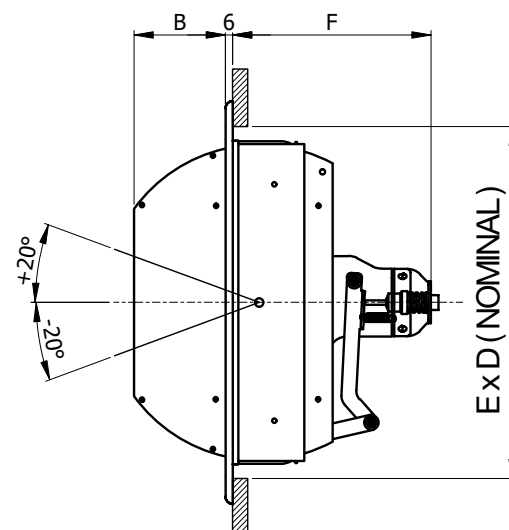
- Frame and fins in extruded aluminium
- Movable blades for directing the air jet (width of jet)
- Swivelling diffuser for altering direction of air jet $\pm 20^\circ$
- Screw mounted
- Motor Belimo NM 24A

APPLICATION

- Heating and cooling of tertiary or industrial buildings: workshops, supermarkets, warehouses, gymnasiums, hi-bays, etc

VERSIONS

- Installation subframe
- L damper
- Other RAL colors possible



- ▼ [Product overview](#)
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SAP-Q-T

Thermostatic controlled version of the SAP adjusts its orientation based on the temperature of the air passing through it, thanks to a temperature-sensitive element that reacts to the temperature, ensuring precise and automatic regulation of air distribution.

ADJUSTABLE DIFFUSER

AIR DISTRIBUTION

DIMENSIONS

Type	Nominal dimension E x D (mm)	A (mm)	B (mm)	F (mm)	H (mm)	L (mm)	Number of fins
SAP-Q-T-1	300 x 165	144	34	150	216	349	2
SAP-Q-T-2	600 x 165	144	34	150	216	648	6
SAP-Q-T-3	600 x 267	246	73	180	316	648	6
SAP-Q-T-4	1200 x 267	246	73	180	316	1249	14

ADVANTAGES

- Long-range diffuser
- Horizontal or vertical air jet direction

MATERIAL AND FINISH

- Frame and fins in extruded aluminium
- Movable blades for directing the air jet (width of jet)
- Swivelling diffuser for altering direction of air jet $\pm 20^\circ$
- Working temperature of the thermostatic element:
T < 20 °C in cooling mode, T > 28 °C in heating mode
- Damper supplied as standard on SAP-Q T models
- Screw mounted

APPLICATION

- Heating and cooling of tertiary or industrial buildings: workshops, supermarkets, warehouses, gymnasiums, hi-bays, etc

VERSIONS

- Installation subframe
- Other RAL colors possible

SELECTION
SAP-Q
SAP-Q-T

Flow rate (m³/h)	Size Aef (m²)	1	2	3	4	5
		0,0198	0,0383	0,0613	0,1213	0,1508
150	X 0.3 X 0.5 X1.0(m)	4.6 2.7 1.4				
	Pt (Pa)	2				
	NR	<20				
300	X 0.3 X 0.5 X1.0(m)	9.1 5.4 2.7	6.5 3.9 2.0			
	Pt (Pa)	9	2			
	NR	<20	<20			
500	X 0.3 X 0.5 X1.0(m)	15.1 9.1 4.5	10.9 6.5 3.3	7.1 4.3 2.1		
	Pt (Pa)	24	7	3		
	NR	27	<20	<20		
750	X 0.3 X 0.5 X1.0(m)	22.7 13.6 6.8	16.3 9.8 4.9	10.7 6.4 3.2		
	Pt (Pa)	55	15	6		
	NR	40	22	<20		
1000	X 0.3 X 0.5 X1.0(m)	30.3 18.2 9.1	21.8 13.1 6.5	14.2 8.5 4.3	7.6 4.5 2.1	
	Pt (Pa)	98	26	10	1	
	NR	49	31	< 20	<20	
1500	X 0.3 X 0.5 X1.0(m)	45.4 27.2 13.6	32.6 19.6 9.8	21.3 12.8 6.4	10.1 6.1 3.0	7.4 4.4 2.2
	Pt (Pa)	220	59	23	3	2
	NR	62	44	31	< 20	< 20
2000	X 0.3 X 0.5 X1.0(m)		43.5 26.1 13.1	28.4 17.1 8.5	20.2 12.1 6.1	11.1 6.7 3.3
	Pt (Pa)		104	41	10	4
	NR		53	40	22	< 20
3000	X 0.3 X 0.5 X1.0(m)			42.6 26.1 12.8	30.3 18.2 9.1	22.2 13.3 6.7
	Pt (Pa)			92	23	15
	NR			53	35	29
5000	X 0.3 X 0.5 X1.0(m)				50.5 30.3 15.2	37.0 22.2 11.1
	Pt (Pa)				65	42
	NR				51	45
7000	X 0.3 X 0.5 X1.0(m)					51.7 31.0 15.5
	Pt (Pa)					82
	NR					56

NR < 25

25 ≤ NR < 35

35 ≤ NR < 45

NR ≥ 45

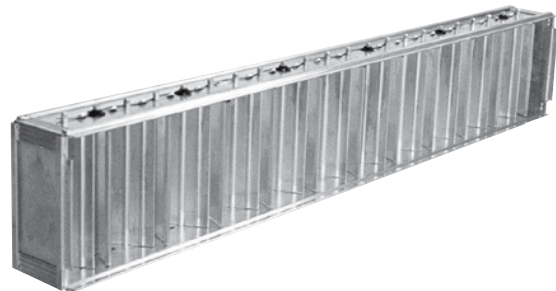
X 0.3: range at a terminal velocity of 0.3 m/s
X 0.5: range at a terminal velocity of 0.5 m/s
X 1.0: range at a terminal velocity of 1 m/s
NR: sound power without attenuation in the room
Aef: effective area
Pt: total pressure



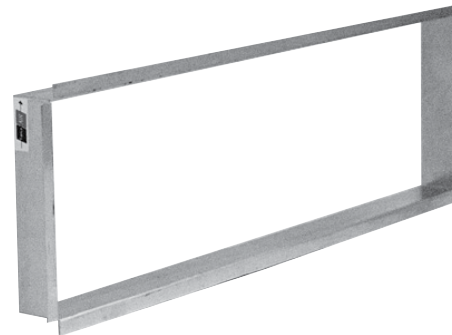
ACCESSORIES

Available for SAP-Q, SAP-Q-ER and SAP-Q-T models

L Damper



Installation subframe



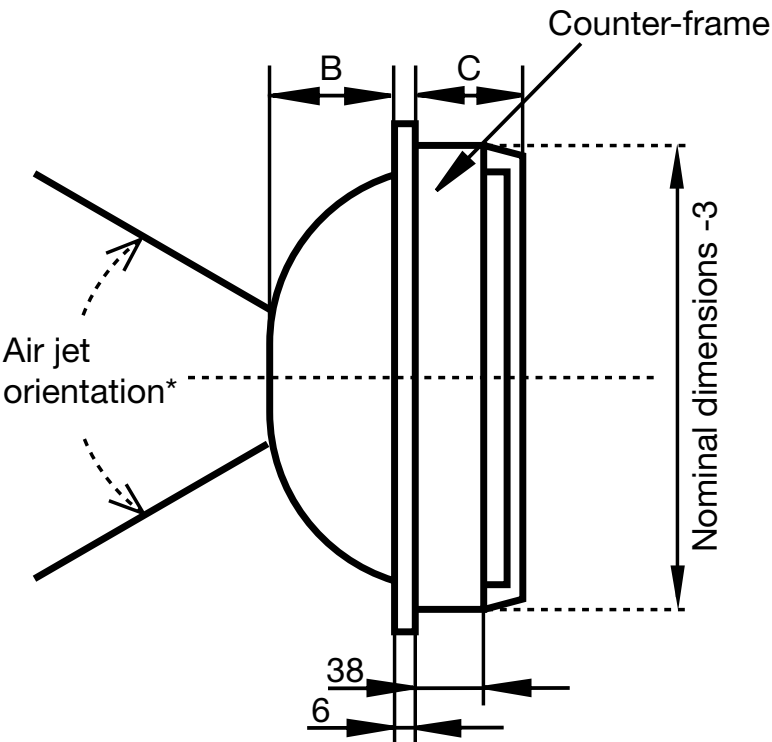
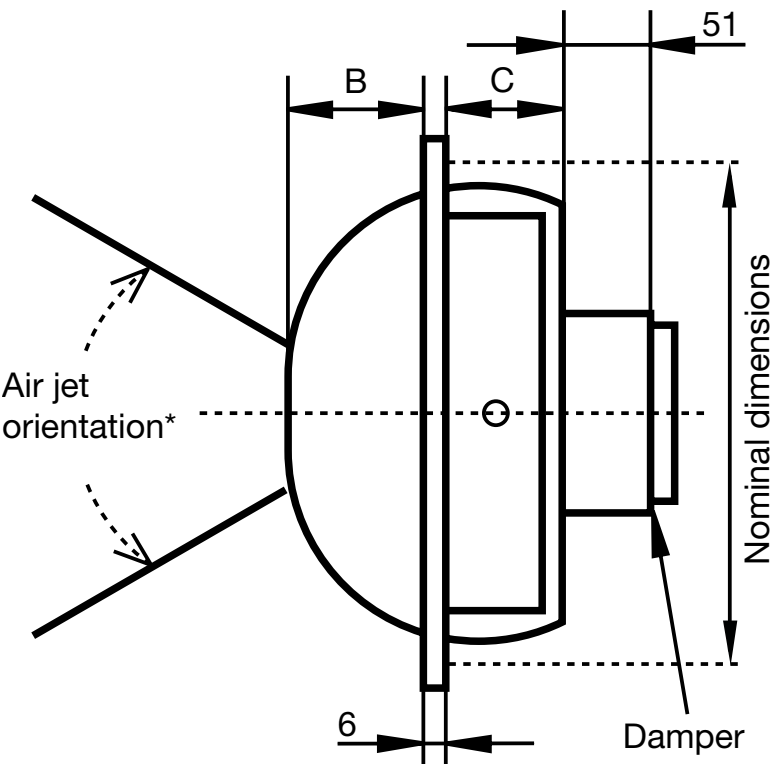
ASSEMBLY AND CONNECTION

Assembly of the damper

- The damper clips on to the diffuser (SAP-Q and SAP-Q-ER models).
- Damper supplied as standard on SAP-Q-T models.

Fitting with installation subframe

- Reservation with installation subframe: $(E - 3) \times (D - 3)$ mm



* Air jet orientation:
 $\pm 20^\circ$ SAP-Q
 $\pm 20^\circ$ SAP-Q-T

ORDERING KEY

(1) Diffuser	(2) Type	(3)Color
SAP-Q-ER	- 1	- RAL

- (1)

Diffuser:
SAP-Q - manual series
SAP-Q-ER - motorised series
SAP-Q-T- series with thermostatic regulation
- (2)

Type:
SAP-Q: 1, 2, 3, 4, 5
SAP-Q-ER: 3, 4, 5
SAP-Q-T: 1, 2, 3, 4
- (3)

Color: RAL

ORDERING KEY ACCESSORIES

SAP-Q and SAP-Q-T models

(1) Accessories	(2) Diffuser Type
UR-SAP-Q	- 1

- (1)

Accessories:
L-SAP-Q - damper
* Damper supplied as standard on SAP-Q-T models.
UR-SAP-Q - installation subframe
- (2)

Diffuser Type:
SAP-Q: 1, 2, 3, 4, 5
SAP-Q-T: 1, 2, 3, 4

SAP-Q-ER model

(1) Accessories	(2) Diffuser Type
L-SAP-Q-ER	- 4

- (1)

Accessories:
L-SAP-Q-ER - damper
UR-SAP-Q-ER - installation subframe
- (2)

Diffuser Type:
SAP-Q-ER: 3, 4, 5



ORDER KEY



AIR DISTRIBUTION

Images are for informational purposes only and may differ from the actual product.
Follow the latest versions of the catalog on the website.

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