

Self-balanced grilles

Full range of single and double airflow grilles from 15 to 150 m³/h for residential housing and commercial premises

Bap'SI



Selection guide

Description

Advantages

Construction

Range

Technical features

Airflow and acoustic details

Installation

Maintenance



Bap'SI Self-balanced grilles

Bap'SI

COMPLIANCES



ADVANTAGES

- Full range from 15 to 150m³/h
- Innovative design
- Modularity of airflow: "Modulo" versions
- Easy installation
- Roll-In shaft

ADVANTAGES

- Full range with simple and double airflow from 15 to 150 m³/h to meet all requirements in the residential housing and commercial premises, both for new buildings and renovations.
- Bap'SI twin also exists in an air supply version, combined with a MR
- Bap'SI Ø 125 mm has certification
- Innovative design which integrates perfectly into sanitary areas, kitchens and offices.
- Original design without front grill preserves the good looks of the grille even when it is dirty.
- Thanks to its removable front face, Bap'SI is easy to clean without being removed from the wall.
- Modularity
 - **of installation:**
 - Bap'SI Ø125mm for fitting in new buildings and replacing existing Ø 125 mm grille
 - Bap'SI without shaft to match all renovation configurations:
 - can receive shaft diameters of 100, 116 and 125 mm
 - clips onto a renovation plate for fitting to shunt ducts or special spaces
 - screws directly to the wall
 - **of airflow:**
 - An adjustable regulator enables the grille to provide several airflow rates (minimizes stock requirements).

AIRFLOW REQUIREMENTS

Self-balanced system

The Orders of 24/03/82 and 28/10/83 define the minimum airflow rates to be extracted from each dwelling.

Bathrooms: room equipped with a bath and/or shower

Wet room: room other than the kitchen or WC equipped with a water supply but no bath or shower (cellar, laundry room, etc.)

Type of dwelling	Kitchen	Bathroom	Single WC	Multiple WC's
F1	Bap'SI 20/75	Bap'SI 15	Bap'SI 15	Bap'SI 15
F2	Bap'SI 30/90	Bap'SI 15	Bap'SI 15	Bap'SI 15
F3	Bap'SI 45/105	Bap'SI 30	Bap'SI 15	Bap'SI 15
F4	Bap'SI 45/120	Bap'SI 30	Bap'SI 30	Bap'SI 15
F5 and larger	Bap'SI 45/135	Bap'SI 30	Bap'SI 30	Bap'SI 15

Self-balanced gas system

The Orders of 24/03/82 and 28/10/83 define the minimum airflow rates to be extracted from each dwelling.

Type of dwelling	Kitchen	Bathroom	Single WC	Multiple WC's
F1	BAZ MOTUS 20/75	Bap'SI 15	Bap'SI 15	Bap'SI 15
F2	BAZ MOTUS 30/90	Bap'SI 15	Bap'SI 15	Bap'SI 15
F3	BAZ MOTUS 45/105	Bap'SI 30	Bap'SI 15	Bap'SI 15
F4	BAZ MOTUS 45/120	Bap'SI 30	Bap'SI 30	Bap'SI 15
F5 and larger	BAZ MOTUS 45/135	Bap'SI 30	Bap'SI 30	Bap'SI 15

ACOUSTIC REQUIREMENTS

The Order of 30/06/1999 specifies requirements in terms of results. Product requirements therefore depend on other dwelling parameters (floor area of room, etc.).

Requirement concerning	Requirement in terms of result	Grilles requirement
Equipment noise	LnAT<35dB(A) in kitchens	Lw <38dB(A) if area > 10 m ² for kitchen
	LnAT<30dB(A) in main rooms	Lw <38dB (A) if area > 30 m ² for kitchen opening onto living room
Isolation between dwellings	DnT,A>50dB in kitchen and wet rooms	Requirement regarding Dnew(C) of the grilles depends on the area of the room and the diameter of the collector
	DnT,A>53dB in main rooms	

VERSIONS OFFERED



Bap'SI single airflow

- Single airflow from 15 to 60 m³/h
- Range certified for certain references



Bap'SI double airflow

- Double airflow from 15/30 to 45/135 m³/h
- Range certified for certain references
































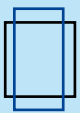




Bap'SI twin

- Single airflow from 15 to 150 m³/h
- Also exists in air supply version in association with a MR

*French certification NF 205. See www.marque-nf.com. See references concerned and their acoustic details on the following pages

Bap'SI Self-balanced grilles

Bap'SI

Aperture	Previous Aldes exhaust grilles	Bap'SI
Ø 150		150/125 adaptation + Bap'SI Ø125  +  or Screw-fit renovation plate + Bap'SI without shaft  +  or  or 
Ø 125		Bap'SI Ø 125  or  or 
Ø 116		shaft Ø 116 + Bap'SI without shaft  +  or  or 
Ø 120 Ø 110 Ø 99 Deformed sleeve		seal + Bap'SI without shaft  +  or  or 
Ø 100 Ø 102		shaft Ø 100 + Bap'SI without shaft  +  or  or 
Existing built-in shaft Ø 132		Screw-fit renovation plate + Bap'SI without shaft  +  or  or 
 Shunt : 130/180 80/270		Claw-fit renovation plate + Bap'SI without shaft  +  or 

Bap'SI Self-balanced grilles

Bap'SI single airflow



COMPLIANCES



ADVANTAGES

- Innovative design
- Modularity of airflow: "Modulo" versions
- Easy installation
- Roll-In shaft

DESCRIPTION

- Self-balanced grilles (constant airflow over the operating range)
- Single airflow from 15 to 60m³/h
- Operating range: 50 – 160Pa
- Tolerance on airflow: [-0+30%]
- The Modulo range provides a choice of airflow rate. One grille gives several airflow values (easily adjusted on-site), which limits the number of references relative to the standard range:
 - Modulo S1: for WC's and bathrooms in collective housing
 - Modulo S2: for sanitary facilities in small commercial premises
- 2 types of connection: Ø125mm and without shaft
- The Ø125mm version has a Roll-in seal
- Packaging: 10 pieces per carton

MODULO RANGE

Designation	Airflow m ³ /h			Code	
	Factory adjusted airflow	Autre débit possible		Ø 125 NF* VMC	Without shaft
Bap'SI modulo S1	30	20	15	11019090	11019094
Bap'SI modulo S2**	60	45	30	11019091	11019095

** Not NF certified

STANDARD RANGE

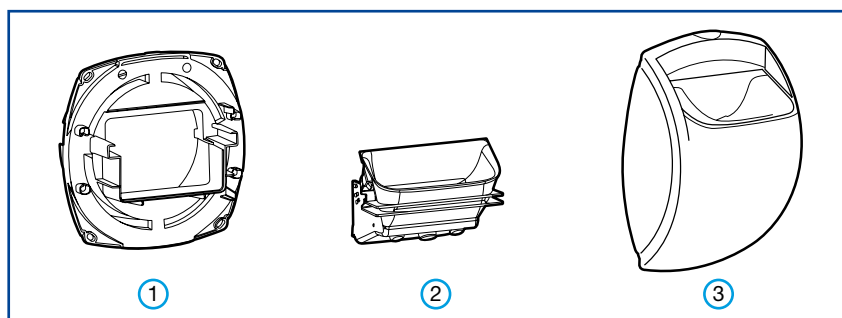
Designation	Airflow m ³ /h		Code	
	Factory adjusted airflow		Ø 125 NF* VMC	Without shaft
Bap'SI 15	15		11019003	11019007
Bap'SI 30	30		11019004	11019008
Bap'SI 45**	45		11019005	11019009
Bap'SI 60**	60		11019006	11019010

** Not NF certified

ACCESSORIES see page 18

CONSTRUCTION

- Bap'SI single airflow is made of 3 parts in white plastic material:
 - an installation plate ①
 - a regulator ②
 - a removable front face ③



Installation plate, regulator and front panel

* French certification NF 205. See www.marque-nf.com. See references concerned and their acoustic details on the following pages

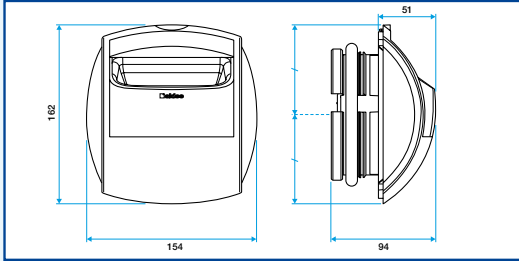
Bap'SI Self-balanced grilles

Bap'SI single airflow

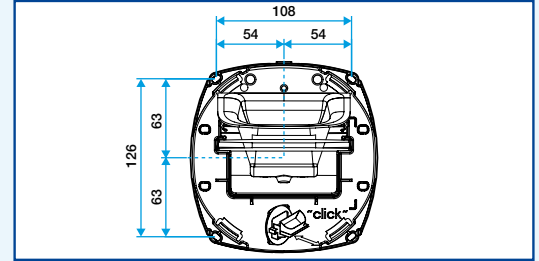
TECHNICAL DETAILS

Dimensions (mm)

Ø 125 mm version

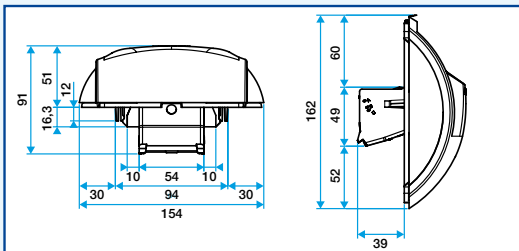


Between centres



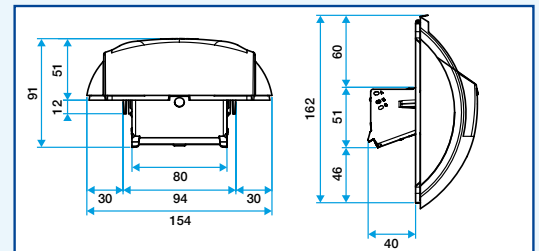
Version without shaft

15 m³/h, 30 m³/hand ModuloS1



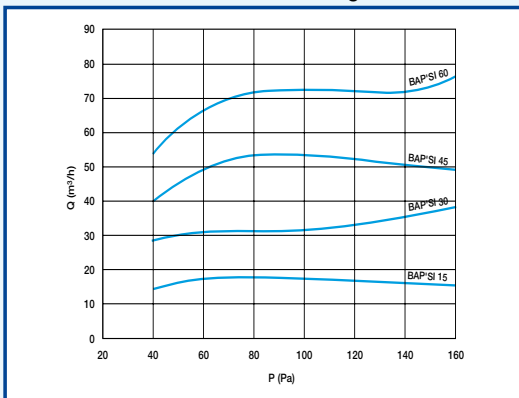
Version without shaft

45 m³/h, 60 m³/hand Modulo S2



AIRFLOW DETAILS

The characteristics of self-balanced grilles are defined in the NFE51-713 and EN131141-2 Standards.



ACOUSTIC DETAILS

Acoustic power level Lw

Represents the noise of the grille itself, generated by the depression. Shown below in octave bands in dB(A).

Test report CSTBN[®]VE-AC08-26012994 (Bap'SI15 and 30m³/hour)

	Pressure (Pa)	Frequency (Hz)						Lw in dB(A)
		125	250	500	1000	2000	4000	
BAP'SI 15	136	23.6	24.9	19.4	24	16.3	26.2	32
BAP'SI 30	136	25.2	26.9	19.7	23.2	22.4	15.8	31
BAP'SI 45	136	28,3	35,0	25,4	27,9	26,6	21,7	38
BAP'SI 60	136	39,1	39,3	35,9	34,7	36,3	31,4	41

Acoustic isolation Dnew (C)

Represents the insulation of the grilles: cross-talk between dwellings on the same duct.

Test report CSTBN[®]VE-AC08-26012994

	Dnew (C, Ctr) en dB
BAP'SI 15	61 (-2 ; -4)
BAP'SI 30	58 (-1 ; -4)

Example: Bap'SI 30 → Dnew(C)=58-1=57dB

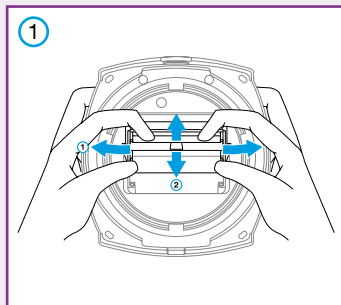
Bap'SI Self-balanced grilles

Bap'SI single airflow

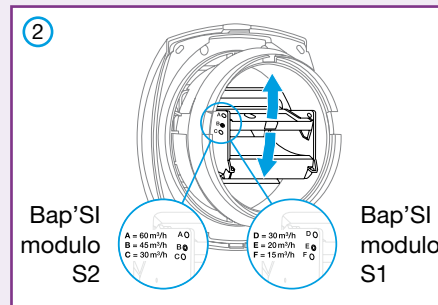
MODULO AIRFLOW ADJUSTMENT

	Ø 125 mm	Without shaft	Airflow m ³ /h
Bap'SI modulo S1	11019090	11019094	30* - 20 - 15
Bap'SI modulo S2	11019091	11019095	60* - 45 - 30

*Factory setting

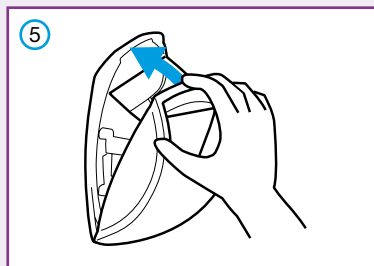
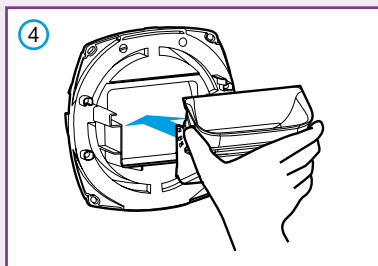
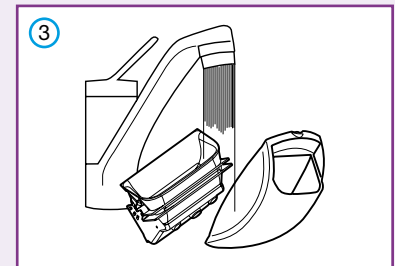
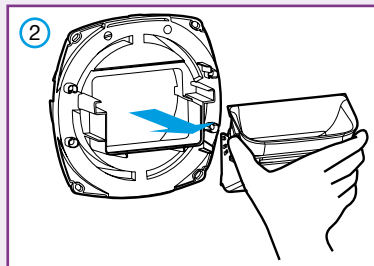
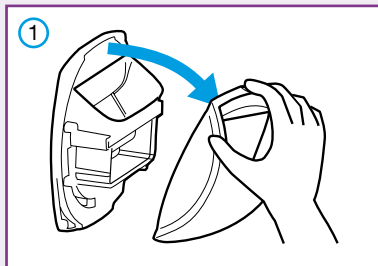


Separate

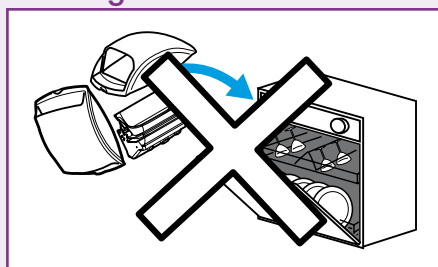


Adjust airflow

MAINTENANCE



Warning



Bap'SI Self-balanced grilles

Bap'SI mechanical double airflow



COMPLIANCES



ADVANTAGES

- Innovative design
- Modularity of airflow: "Modulo" versions
- Easy installation
- Roll-In shaft

DESCRIPTION

- Self-balanced exhaust grilles (constant airflow over the operating range)
- Double airflow with basic airflow of 15 to 45 m³/hour and boost airflow of 30 to 135 m³/hour
- Operating range: 50 – 160Pa
- Tolerance on airflow: [-0+30%]
- The Modulo range provides a choice of airflow rate. One grille gives several airflow values (easily adjusted on-site), which limits the number of references relative to the standard range:
 - Modulo D1: for F1 and F2 kitchens
 - Modulo D2: for F3 kitchens and larger
- 2 types of connection: Ø 125 mm and without shaft
- The Ø 125 mm version has a Roll-in seal
- Packaging: 10 pieces per carton.

ON/OFF version

- The boost airflow is switched on and off mechanically by pulling a cord

Modulo range – On/off version

Designation	Control	Airflow m ³ /h			Code	
		Factory adjusted airflow	Other possible airflow		Ø 125 NF* VMC	Without shaft
Bap'SI modulo D1	Pull cord	30/90	20/75	-	11019092	11019096
Bap'SI modulo D2	Pull cord	45/105	45/120	45/135	11019093	11019097

Standard range – On/off version

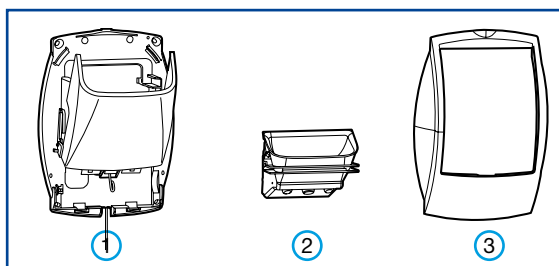
Designation	Control	Airflow m ³ /h		Code	
		Factory adjusted airflow		Ø 125 NF* VMC	Without shaft
Bap'SI 15/30**	Pull cord	15/30		11019011	11019017
Bap'SI 20/75	Pull cord	20/75		11019012	11019018
Bap'SI 30/90	Pull cord	30/90		11019013	11019019
Bap'SI 45/106	Pull cord	45/106		11019014	11019020
Bap'SI 45/120	Pull cord	45/120		11019015	11019021
Bap'SI 45/135	Pull cord	45/135		11019016	11019022

**Not NF certified

ACCESSORIES see page 18

CONSTRUCTION

- Bap'SI double airflow is made of 3 parts in white plastic material:
 - an installation plate ①
 - a regulator ②
 - a removable front face ③



* French certification NF 205. See www.marque-nf.com. See acoustic details on following pages

Bap'SI Self-balanced grilles

Bap'SI electrical double airflow



ADVANTAGES

- Innovative design
- Modularity of airflow: Modulo versions
- Easy installation
- Roll-In shaft

DESCRIPTION

- Self-balanced grilles (constant airflow over the operating range)
- Double airflow with basic airflow of 15 to 45 m³/hour and boost airflow of 30 to 135 m³/hour
- Operating range: 50 – 160 Pa
- Tolerance on airflow: [-0+30%]
- The Modulo range provides a choice of airflow rate. One grille gives several airflow values (easily adjusted on-site), which limits the number of references relative to the standard range:
 - Modulo D1: for F1 and F2 kitchens
 - Modulo D2: for F3 kitchens and larger
- 2 types of connection: Ø 125 mm and without shaft
- The Ø 125 mm version has a Roll-in seal
- Packaging: 10 pieces per carton

on/off version

- The boost airflow is controlled electrically by a switch (not supplied). Switching between basic and boost airflow is controlled by the user.
- Power: 6LR61 alkaline battery (not supplied) or mains power via electrical accessories.

Timer version

- The boost airflow is controlled electrically by a push button (not supplied). The Bap'SI automatically resumes basic airflow after 30 minutes.
- Power: 6LR61 alkaline battery (not supplied) or mains power via electrical accessories.

Modulo range – On/off version

Designation	Control	Airflow m ³ /h			Code
		Factory adjusted airflow	Other possible airflow		Without shaft
Bap'SI elec on/off 15/30	On/off switch	15/30	-	-	11019115
Bap'SI elec on/off modulo D1	On/off switch	30/90	20/75	-	11019116
Bap'SI elec on/off modulo D2	On/off switch	45/105	45/120	45/135	11019117

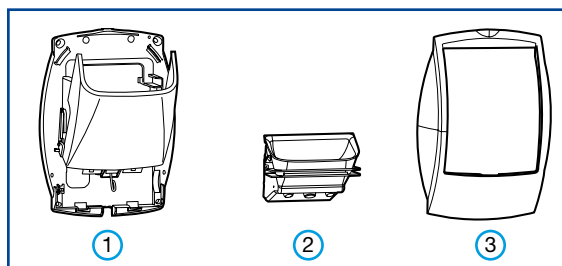
Modulo range – Timer version

Designation	Control	Airflow m ³ /h			Code
		Factory adjusted airflow	Other possible airflow		Without shaft
Bap'SI elec timer 15/30	Push button	15/30	-	-	11019112
Bap'SI elec timer modulo D1	Push button	30/90	20/75	-	11019113
Bap'SI elec timer modulo D2	Push button	45/105	45/120	45/135	11019114

ELECTRICAL ACCESSORIES see page 9
ACCESSORIES see page 18

CONSTRUCTION

- Bap'SI double airflow is made of 3 parts in white plastic material:
 - an installation plate ①
 - a regulator ②
 - a removable front face ③



Bap'SI Self-balanced grilles

Bap'SI electrical double airflow



Push button



CAL



Transformer

DESCRIPTION

Accessories for Bap'Si electric

- Push button: Pressing once sets the boost airflow for 30 minutes.
- CAL power supply board + transformer: Connects the grille to the mains supply instead of the battery. The CAL converts the battery connection of the Bap'Si to a 12 VAC low tension connection, then the transformer connects to the 230 V mains supply. The transformer proposed here can supply two grilles.

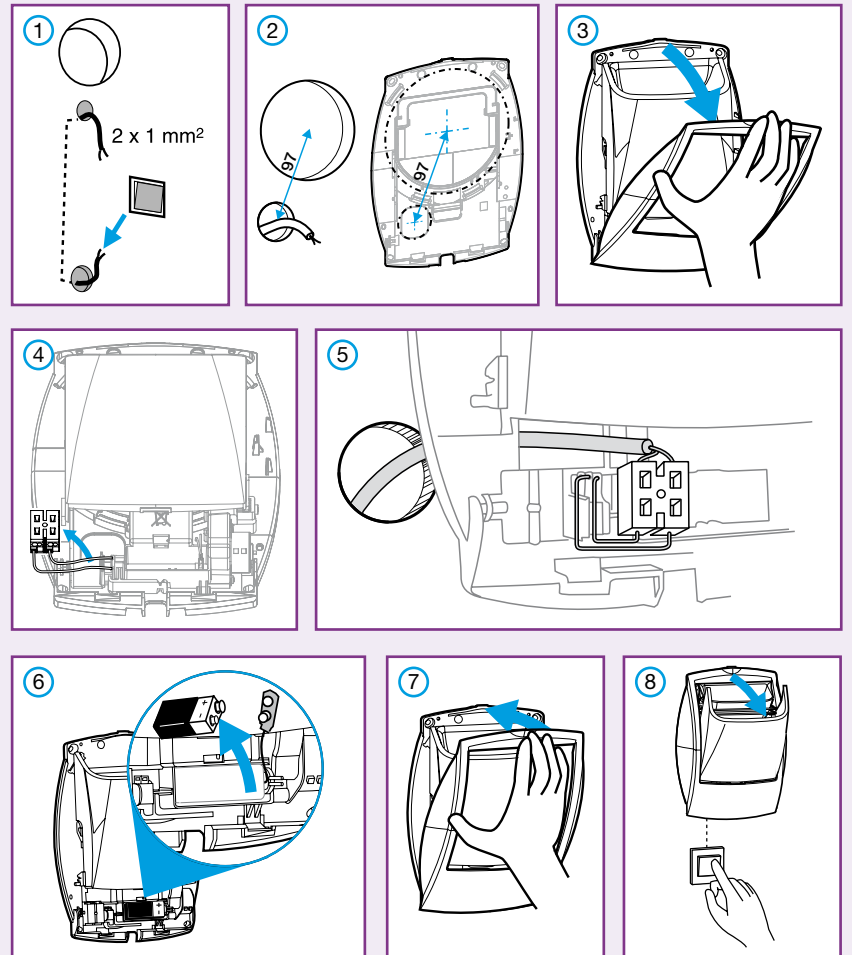
ELECTRICAL ACCESSORIES

Designation	Code
Standard push button	11026011
CAL12V AC-8VDC power supply card	11015275
12V AC-12V A transformer with fuse	11017110

INSTALLATION

9V battery power

Bap'Si electric – battery power



Bap'SI Self-balanced grilles

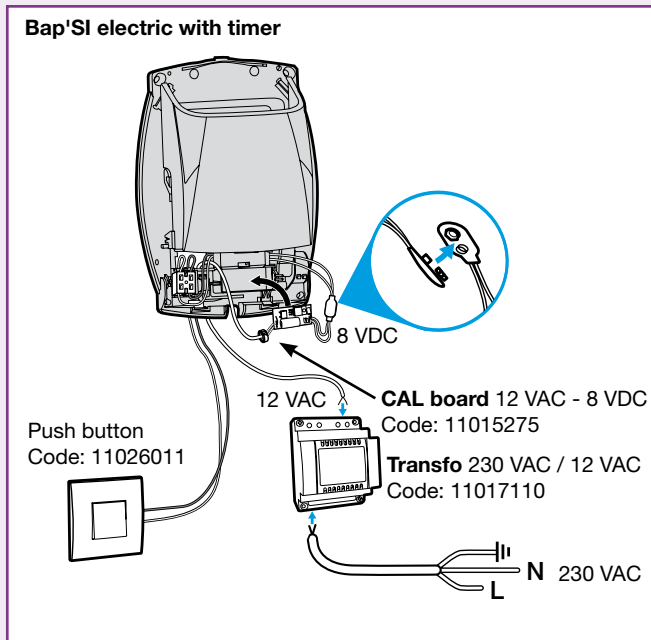
Bap'SI electrical double airflow

230 V mains power

All Bap'SI electric can be connected to the mains supply by a CAL board (code 11015275) + transformer (code 11017110)

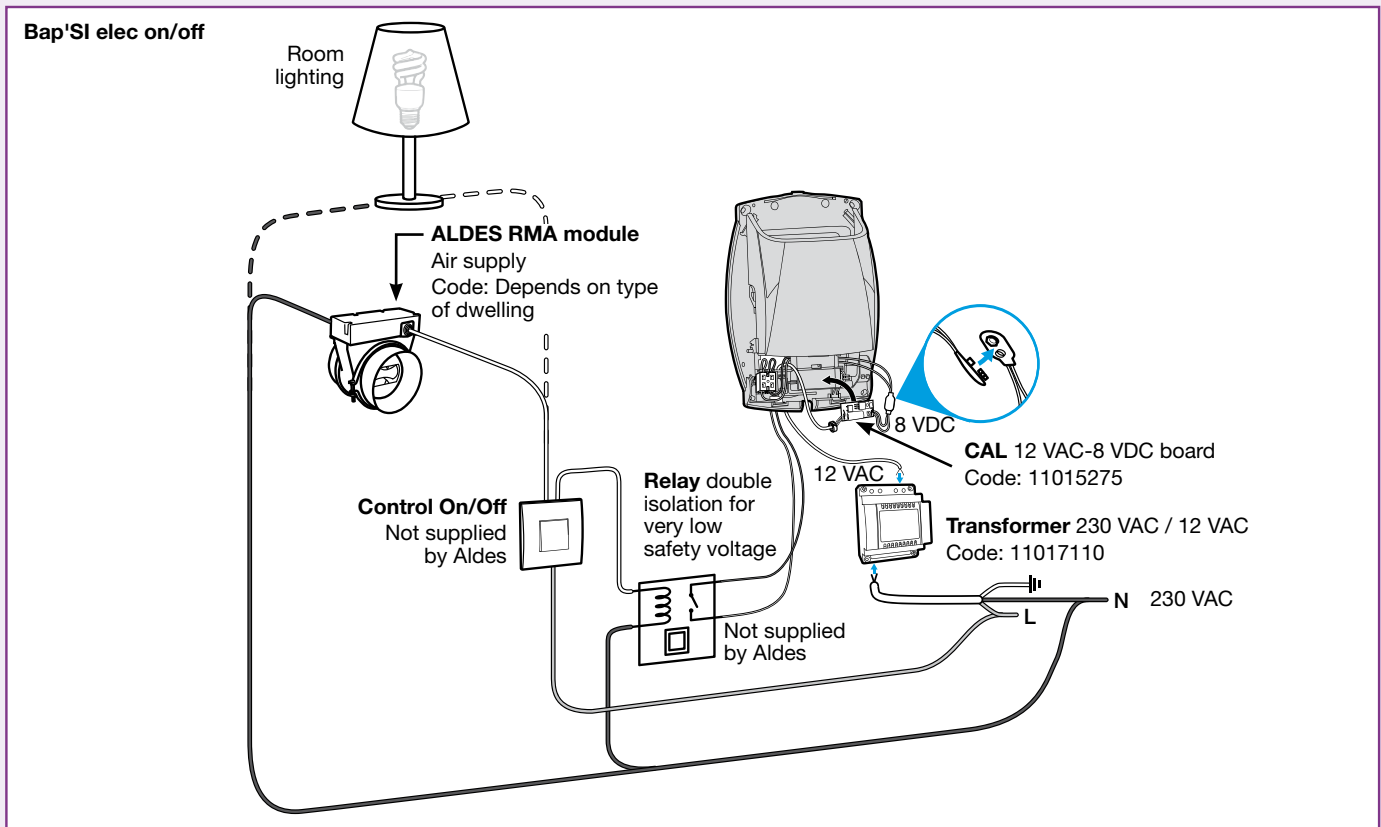
WARNING: Comply with the applicable installation standards

Bap'SI electric-mains power



Bap'SI electric -on/off version-mains power

Example of a double airflow system with airflow balancing



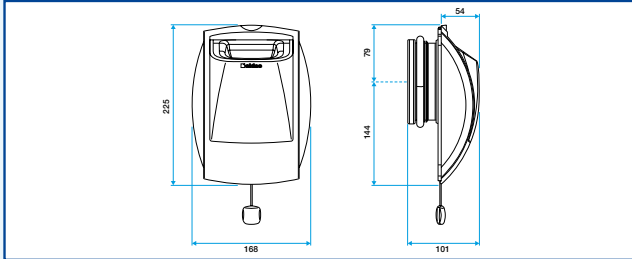
Bap'SI Self-balanced grilles

Bap'SI mechanical and electrical double airflow

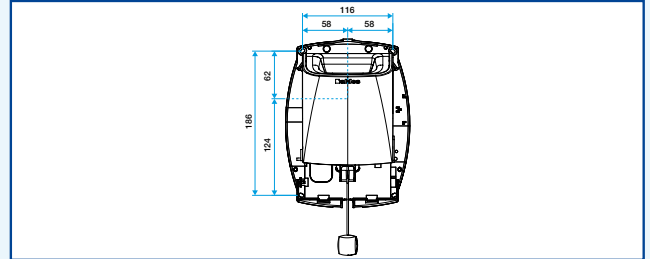
TECHNICAL DETAILS

Dimensions (mm)

Ø 125 mm version

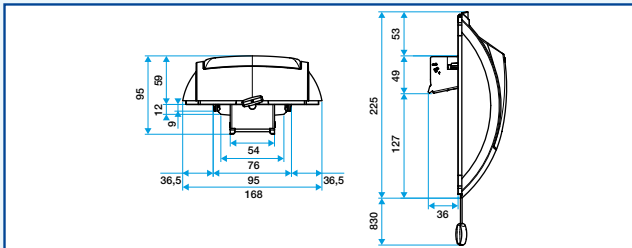


Between centres



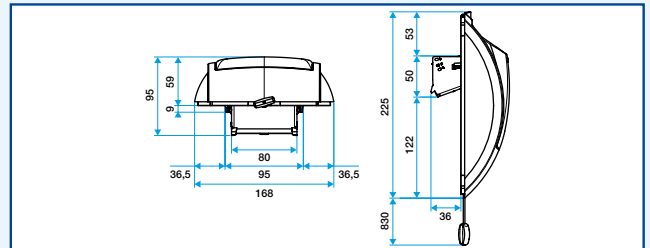
Version without shaft

15/30 m³/h, 20/75 m³/h, 30/90 m³/h, modulo D1



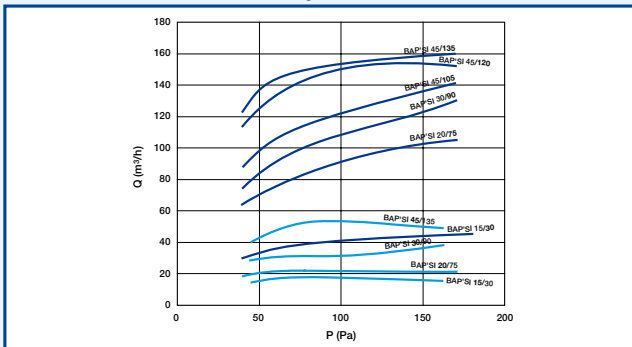
Version without shaft

45/105 m³/h, 45/120 m³/h, 45/135 m³/h, modulo D2



AIRFLOW DETAILS

The characteristic of self-balanced grilles are defined in the NFE51-713 and EN131141-2 Standards.



ACOUSTIC DETAILS

Acoustic power level Lw

Represents the noise of the grille itself, generated by the pressure difference. Shown below in octave bands in dB(A).

Test report CSTBN°VE-AC08-26012994

	Pressure (Pa)	Frequency (Hz)						Lw in dB(A)
		125	250	500	1000	2000	4000	
BAP'SI 15/30	136	23,6	24,9	19,4	24	16,3	26,2	32
BAP'SI 20/75	136	23,6	24,9	19,4	24	16,3	26,2	32
BAP'SI 30/90	136	25,2	26,9	19,7	23,2	22,4	15,8	31
BAP'SI 45/105	136	28,3	35,0	25,4	27,9	26,6	21,7	38
BAP'SI 45/120	136	28,3	35,0	25,4	27,9	26,6	21,7	38
BAP'SI 45/135	136	28,3	35,0	25,4	27,9	26,6	21,7	38

Acoustic isolation Dnew(C)

Represents the insulation of the grilles: cross-talk between dwellings on the same duct.

Test report CSTBN°VE-AC08-26012994

	Dnew (C, Ctr) en dB
BAP'SI 15/30	58 (-2 ; -4)
BAP'SI 20/75	58 (-2 ; -4)
BAP'SI 30/90	58 (-2 ; -4)

	Dnew (C, Ctr) en dB
BAP'SI 45/105	54 (-1 ; -3)
BAP'SI 45/120	54 (-1 ; -3)
BAP'SI 45/135	54 (-1 ; -3)

Example: Bap'SI 20/75
→ Dnew(C) = 58-2 = 56dB

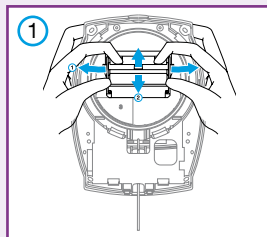
Bap'SI Self-balanced grilles

Bap'SI mechanical and electrical double airflow

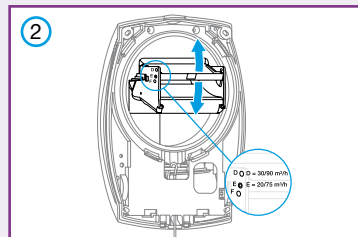
MODULO AIRFLOW ADJUSTMENT

Bap'SI modulo D1	Ø 125 mm	Without shaft	Airflow m³/h
Bap'SI modulo D1	11019092	11019096	30/90* - 20/75
Bap'SI élec. on/off modulo D1	-	11019116	30/90* - 20/75
Bap'SI elec timer modulo D1	-	11019113	30/90* - 20/75

* Factory setting



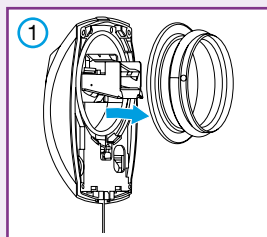
Separate



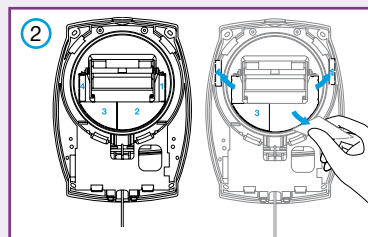
Adjust airflow

Bap'SI modulo D2	Ø 125 mm	Without shaft	Airflow m³/h
Bap'SI modulo D2	11019093	11019097	45/105* - 45/120 - 45/135
Bap'SI élec. on/off modulo D2	-	11019117	45/105* - 45/120 - 45/135
Bap'SI elec tempo modulo D2	-	11019114	45/105* - 45/120 - 45/135

* Factory setting



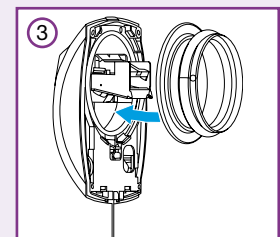
Remove the shaft



Remove the break-off parts

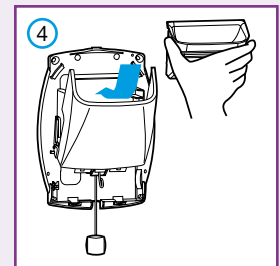
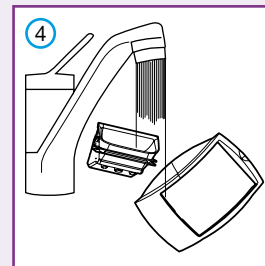
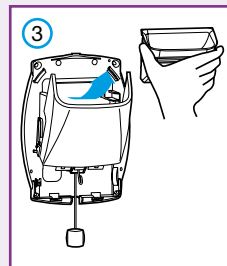
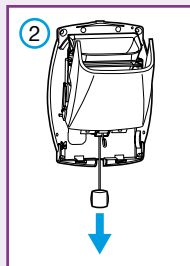
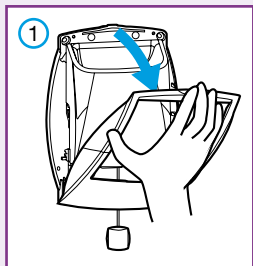
Break-off parts to be removed:

	1	2	3	4
45/105 m³/h				
45/120 m³/h		X	X	
45/135 m³/h	X	X	X	X

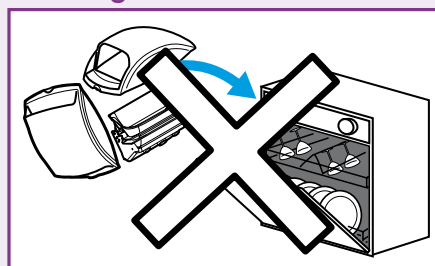


Replace the shaft

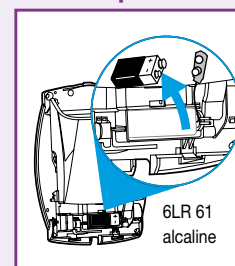
MAINTENANCE



Warning life



End of product



These used products must be disposed of at a waste treatment centre or reseller





Bap'Si meets your every need

A full range of self-balancing
grilles for homes and commercial
premises:

Single and double airflow,
from 15 to 150 m³/hour !



Bap'Si
Single airflow



Bap'Si twin
Single airflow



Bap'Si
double airflow

Bap'SI Self-balanced grilles

Bap'SI twin



ADVANTAGES

- Innovative design
- Modularity of airflow: "Modulo" versions
- Easy installation
- Roll-In shaft

DESCRIPTION

- Self-balanced grille (constant airflow over the operating range)
- Single airflow from 15 to 150 m³/h.
- Operating range: 50-160Pa
- Tolerance on airflow: [-0; +30%]
- The Modulo range provides a choice of airflow rate. One grille gives several airflow values (easily adjusted on-site), which limits the number of references.
- 2 types of connection: Ø 125 mm and without shaft
- The Ø 125 mm version has a Roll-in seal for Bap'SI twin 15 to 90 m³/hour, and a foam seal for Bap'SI twin 100 to 150 m³/hour
- Packaging: 10 pieces per carton

Modulo range

Designation	Airflow m ³ /hour			Code	
	Factory adjusted airflow	Other possible airflow		Ø 125	Without shaft
Bap'SI twin modulo 60	60	75	90	11019188	11019197
Bap'SI twin modulo 100	100	120	150	11019191	-

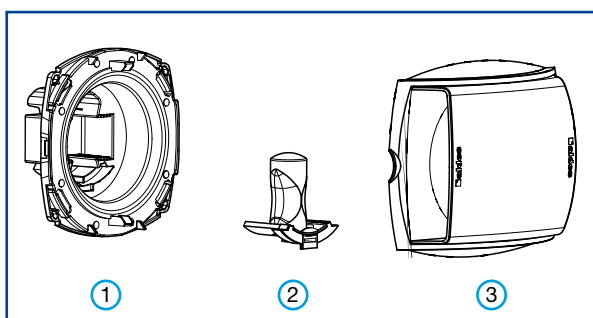
Standard range

Designation	Airflow m ³ /hour		Code	
	Factory adjusted airflow	Ø 125	Without shaft	
Bap'SI twin 15	15	11019185	11019194	
Bap'SI twin 30	30	11019186	11019195	
Bap'SI twin 45	45	11019187	11019196	
Bap'SI twin 60	60	11019188	11019197	
Bap'SI twin 75	75	11019189	11019198	
Bap'SI twin 90	90	11019190	11019199	
Bap'SI twin 100	100	11019191	-	
Bap'SI twin 120	120	11019192	-	
Bap'SI twin 150	150	11019193	-	

ACCESSORIES see page 18

CONSTRUCTION

- Bap'SI twin is made of 3 parts in white plastic material:
 - an installation plate ①
 - a regulator ②
 - a removable front panel ③



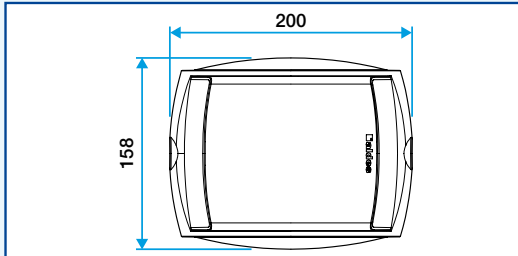
Bap'SI Self-balanced grilles

Bap'SI twin

TECHNICAL DETAILS

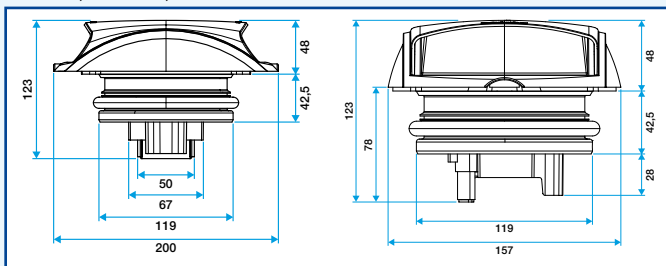
Dimensions (mm)

Front face



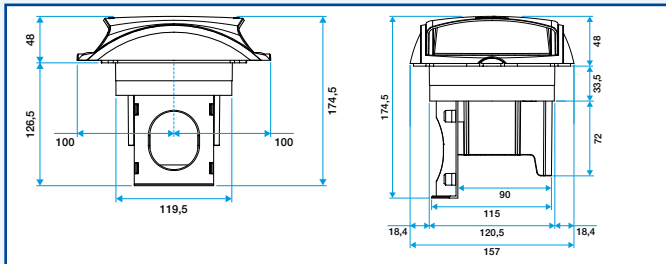
Ø 125 mm version

15 m³/h, 30 m³/h, 45 m³/h



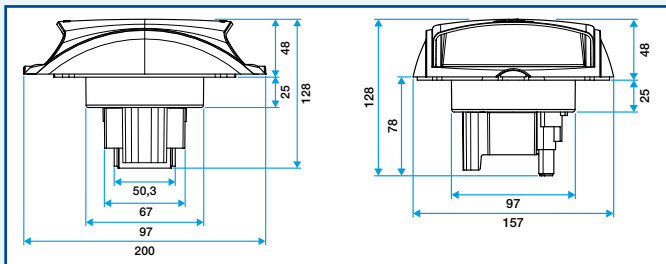
Ø 125 mm version

100 m³/h, 120 m³/h, 150 m³/h

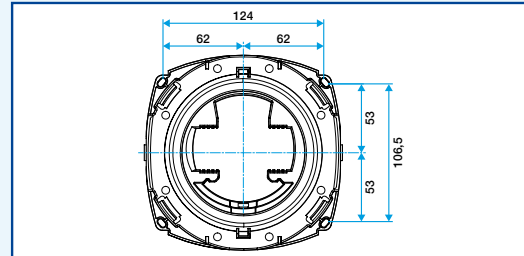


Version without shaft

15 m³/h, 30 m³/h, 45 m³/h

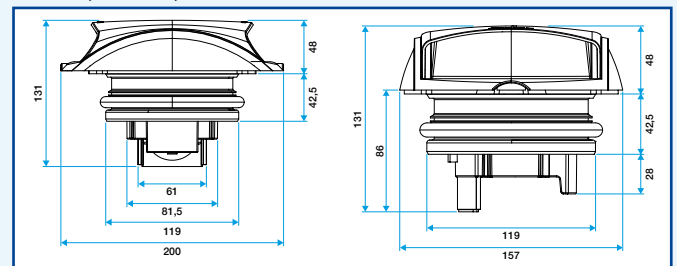


Between centres



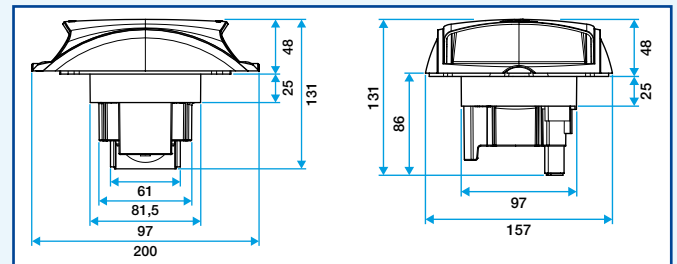
Ø 125 mm version

60 m³/h, 75 m³/h, 90 m³/h



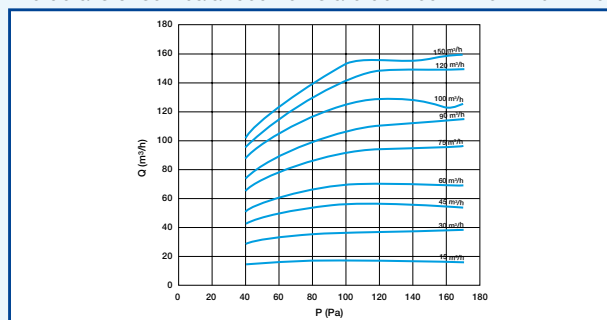
Version without shaft

60 m³/h, 75 m³/h, 90 m³/h



AIRFLOW DETAILS

The details of self-balanced vents are defined in the NFE51-713 and EN131141-2 Standards.



Bap'SI Self-balanced grilles

Bap'SI twin

ACOUSTIC DETAILS

Acoustic power level Lw

Represents the noise of the grille itself, generated by the pressure difference. Shown below in octave bands in dB(A).

	Pressure (Pa)	Frequency (Hz)						Lw in dB(A)
		125	250	500	1000	2000	4000	
BAP'SI twin 15	136	40,2	31,4	30,9	31,0	19,7	18,4	34
BAP'SI twin 30	136	40,3	36,4	35,9	35,8	23,1	20,6	38
BAP'SI twin 45	136	45,5	43	40,4	29,7	26,3	20,5	41
BAP'SI twin 60	136	42,8	43	40,8	40,6	31,4	27,8	43
BAP'SI twin 75	136	44,8	47,8	44,6	43,7	34,6	30,4	47
BAP'SI twin 90	136	44,8	49,9	46,2	44,3	36,6	32,3	49
BAP'SI twin 100	136	47,1	47,3	47,2	42,7	38,1	31,9	48
BAP'SI twin 120	136	50,8	50,3	49,4	43,7	39,2	34,0	50
BAP'SI twin 150	136	52,5	51,9	50,1	44,3	40,5	35,2	51

MODULO AIRFLOW ADJUSTMENT

Bap'SI twin 60 modulo

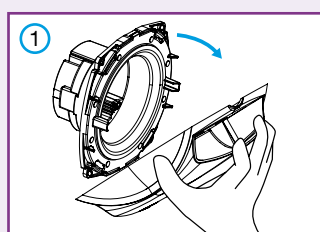
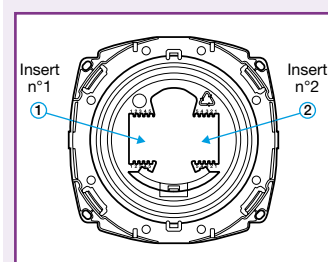
Airflow m ³ /h	Position insert n°1	Position insert n°2
60*	2 - 1	1 - 1
75	X	1 - 1
90	X	X

*Factory setting

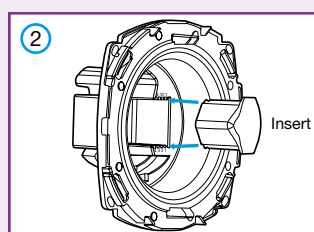
Bap'SI twin 100 modulo

Airflow m ³ /h	Position insert n°1	Position insert n°2
100*	1 - 1	1 - 1
120	X	1 - 1
150	X	X

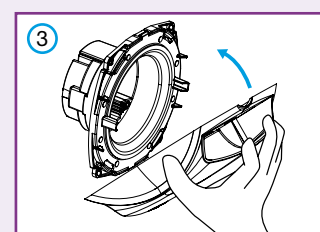
*Factory setting



Remove front face



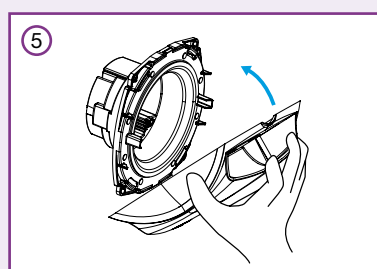
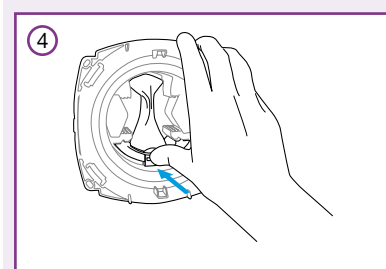
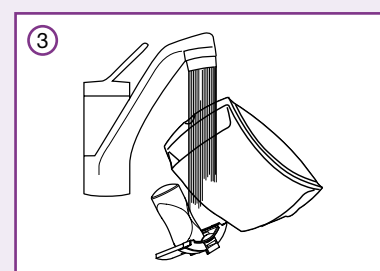
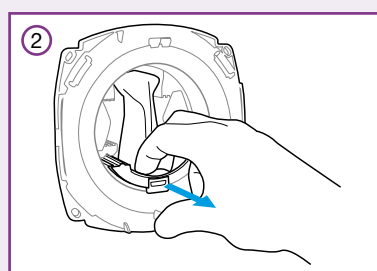
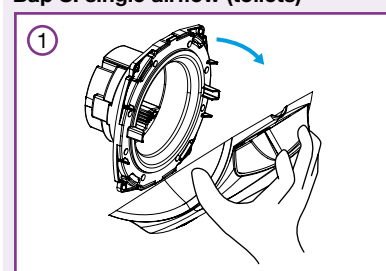
Position the insert(s)



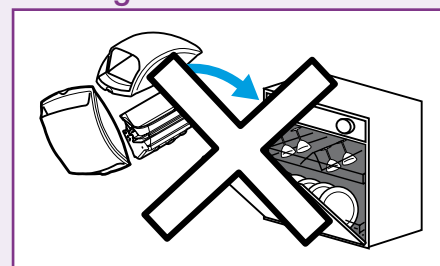
Replace the front face

MAINTENANCE

Bap'SI single airflow (toilets)



Warning



Bap'SI Self-balanced grilles

Bap'SI twin air supply



ADVANTAGES

- Innovative design
- Easy installation
- Good acoustic performance

DESCRIPTION

- Operates in association with a MR
- Retains the design of the Bap'SI range, without grill
- Operating range: 50-200Pa
- Tolerance on airflow: [-10+10%]
- Packaging: 10 pieces per carton

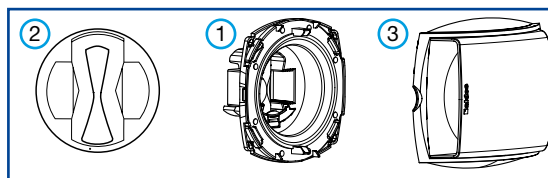
Standard range

Designation	Air flow ^{m³/h}		Code
	Factory adjusted airflow	Ø 125	Without shaft
Bap'SI twin air supply	-	-	11019200

ACCESSORIES see page 18

CONSTRUCTION

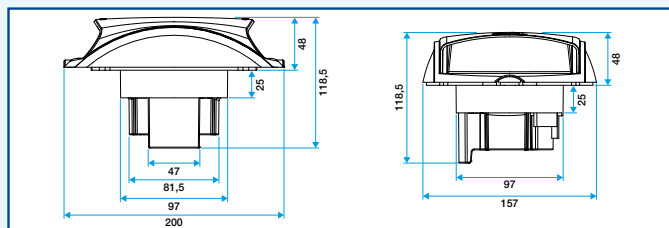
- Bap'SI twin air supply is made of 2 parts in white plastic:
 - a technical plate, ①
 - a removable front face. ③
- a MR used as a regulator ② must be added upstream



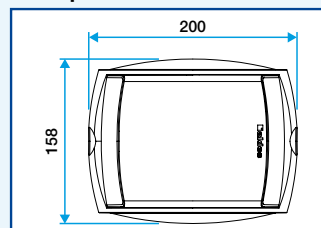
TECHNICAL DETAILS

Dimensions (mm)

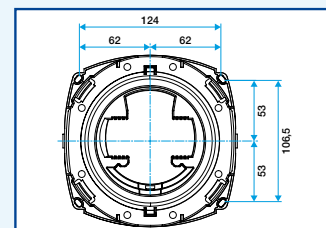
Version without



Front panel

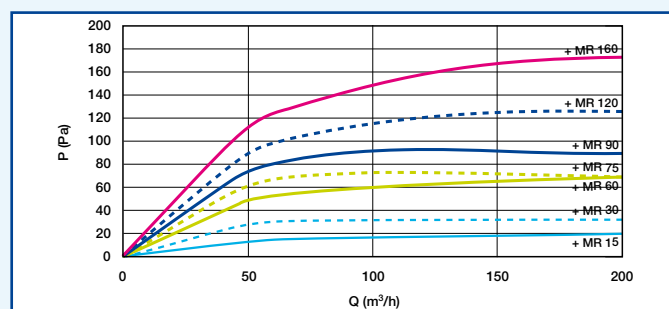


Between centres



AIRFLOW DETAILS

The characteristics of self-balanced grille are defined in the NFE51-713 and EN131141-2 Standards.



ACOUSTIC DETAILS

Acoustic power level Lw

Represents the noise of the grille itself, generated by the pressure difference. Shown below in octave bands in dB(A).

	Pressure (Pa)	Frequency (Hz)						Puissance globale en dB(A)*
		125	250	500	1000	2000	4000	
BAP'SI twin air supply + MR 15	136	35	25	29	21	15	11	31
BAP'SI twin air supply + MR 30	136	36	27	30	28	17	14	33
BAP'SI twin air supply + MR 45	136	37	29	31	34	19	17	35
BAP'SI twin air supply + MR 60	136	38	32	34	35	23	19	36
BAP'SI twin air supply + MR 75	136	45	38	39	33	25	18	38
BAP'SI twin air supply + MR 90	136	48	41	39	36	28	21	40
BAP'SI twin air supply + MR 100	136	49	42	40	38	30	23	42
BAP'SI twin air supply + MR 120	136	52	44	42	41	33	26	44
BAP'SI twin air supply + MR 150	136	56	48	45	44	37	31	48
BAP'SI twin air supply + MR 160	136	57	49	46	45	39	33	49

*NB: Results obtained for a distance of 5 Ø between the Bap'SI twin air supply and the MR.

Bap'SI Self-balanced grilles

ACCESSORIES

Bap'SI/Bap'SI twin can be installed in all its configurations, in a wall or a ceiling, with or without accessories.



DESCRIPTION

Shafts and seals

- Shafts Ø125 (Roll-In seal), Ø116 (Roll-In seal), Ø100 (foam seal): clips onto Bap'SI/Bap'SI twin without shaft, for connection to an existing duct Ø125, Ø116, Ø100mm.
- Foam seal to provide sealing when the grille is screwed directly to the wall.

ACCESSORIES

Designation	Code
Shaft Ø 125 mm	11019023
Shaft Ø 116 mm	11019024
Shaft Ø 100 mm	11019025
Bap'SI seals (set of 5)	11019049

Renovation plates

- Renovation plate: allows to install a Bap'SI/Bap'SI twin on a deformed surface, shunt duct or a different shaft diameter. Two types of mounting: screw (Bap'SI and Bap'SI twin) or claw (Bap'SI only).
- 180x280mm shutter plate: screw-mounted in place of a previous grille which has not been replaced, in order to conceal the hole tidily.
- 150/125 adaptation: for fitting a Bap'SI single airflow Ø125 to a hole Ø150.

Designation	Code
Claw-fit Bap'SI renovation plate	11019050
Screw-fit Bap'SI / Bap'SI twin renovation plate	11019054
180 x 280 Shutter plate	11034108
150/125 adaptation	11018056

Acoustic ring and cord return

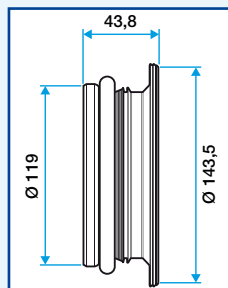
- Acoustic ring: installed in the Ø125duct just behind the grille, it improves the acoustic isolation between dwellings. Recommended for kitchens which open onto the living room.
- Cord return: guides the pull cord when a Bap'SI double airflow is fixed to a ceiling.

Designation	Code
Acoustic ring	11019429
Pull cord return	11015001

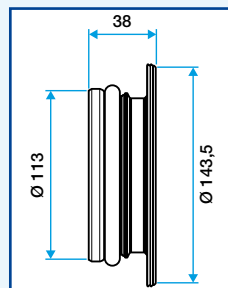
TECHNICAL DETAILS

Dimensions (mm)

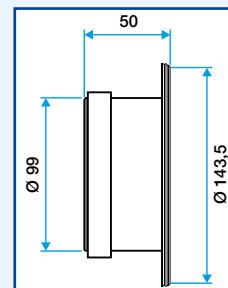
Shaft Ø125



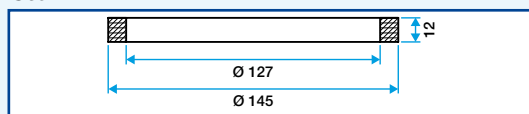
Shaft Ø116



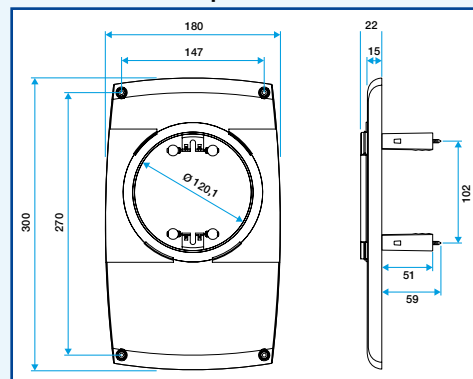
Shaft Ø100



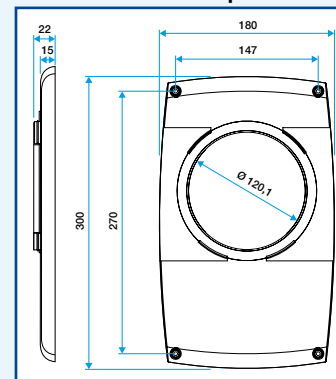
Seal



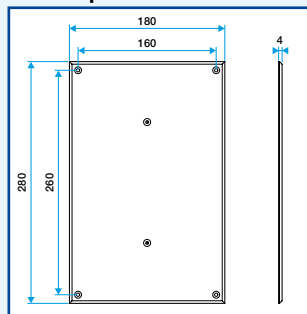
Claw-fit renovation plate



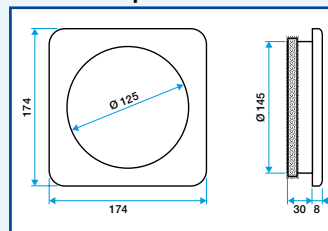
Screw-fit renovation plate



Shutter plate



150/125 adaptation

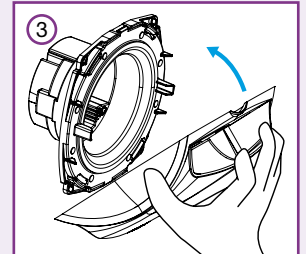
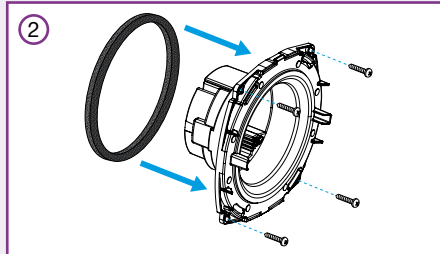
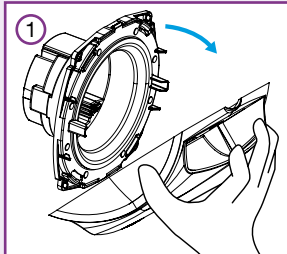


Bap'SI Self-balanced grilles

INSTALLATION

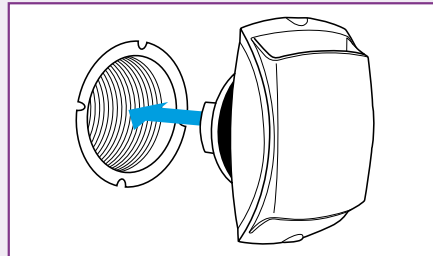
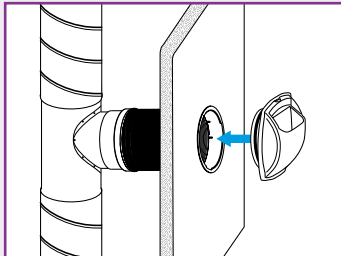
Screwed directly to the wall

Bap'SI/Bap'SI twin, single and double airflow without shaft can be screwed directly to the wall in a hole size of 100 to 125 mm. Use Bap'SI/Bap'SI twin without shaft + seal11019049.



Fitted in Ø100, Ø116, Ø125 sleeves or in RT Flex

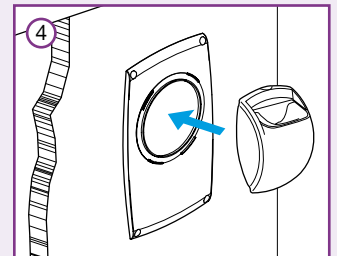
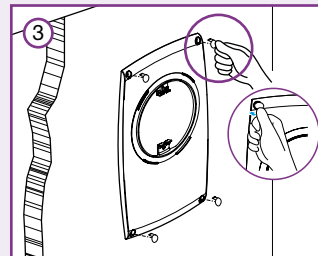
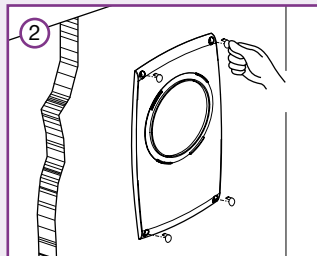
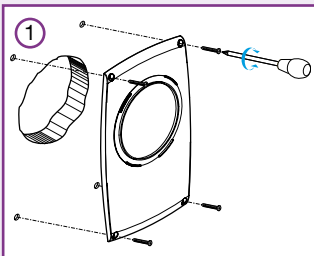
Use Bap'SI/Bap'SI twin with shaft Ø100, Ø116 or Ø125.



Fitted on a renovation plate

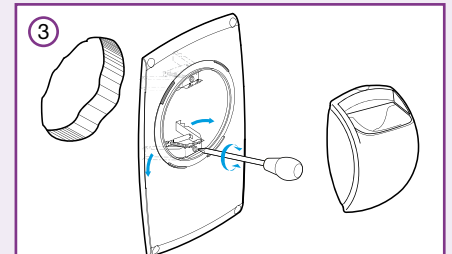
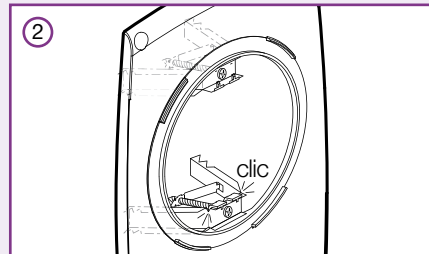
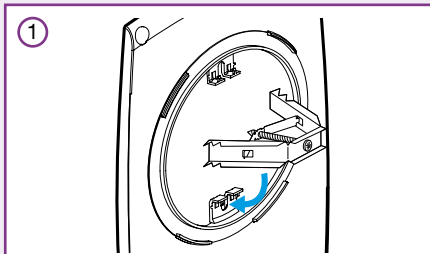
Screw-fit plate

Fix the plate using plaster board screws Ø3.5 mm x L25 mm, or wall plugs Ø4 or 5mm x L 30 mm + wood screws Ø3.5 mm x L 30 mm (not supplied). Use Bap'SI/Bap'SI twin without shaft + screw-fit plate.



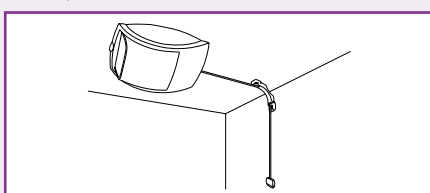
Claw-fit plate

Use Bap'SI without shaft + claw-fit plate



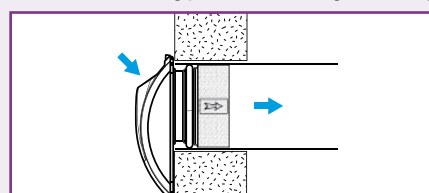
Fitted in ceiling

Add a pull cord return



In a kitchen opening onto a living room

Fit an acoustic ring just behind the grille to improve the acoustic insulation between dwellings



Self-balanced grilles

Bap'SI



Principle

Self-balanced: constant airflow over its operating range

Designed for use in all installation configurations (new construction or renovation)

An exclusive regulator to modulate the airflow.

A removable front face to facilitate maintenance.

ADVANTAGES

Modularity of airflow rates

Easy installation

Innovative design without grill

Roll-in shaft

Certified *

* French certification NF 205. See www.marque-nf.com. See references concerned and their details in this documentation

ALDES BORDEAUX - Tél : 05 56 34 28 79 - Départements : 16-17-24-33-40-47-64 ■ **ALDES CLERMONT-FERRAND** - Tél : 04 73 74 68 00 - Départements : 03-15-42-43-63 ■ **ALDES DIJON** - Tél : 03 80 52 38 74 - Départements : 21-25-39-58-70-71-89-90 ■ **ALDES GRENOBLE** - Tél : 04 76 14 74 50 - Départements : 38-73-74 ■ **ALDES LILLE** - Tél : 03 20 22 40 42 - Départements : 02-08-10-51-59-62-80 ■ **ALDES LYON - Agence Rhône** - Tél : 04 78 78 89 89 - Départements : 69 ■ **ALDES LYON - Agence Vallée du Rhône-Ain** - Tél : 04 78 78 88 66 - Départements : 01-07-26 ■ **MARSEILLE - ALDES Aubagne** - Tél : 04 42 62 80 20 - Départements : 13-83(ouest)-84 ■ **ALDES MONTPELLIER** - Tél : 04 67 42 16 16 - Départements : 11-30-34-48-66 ■ **ALDES NANCY** - Tél : 03 83 25 79 79 - Départements : 52-54-55-57-88 (sud ouest) ■ **ALDES NANTES** - Tél : 02 40 92 15 10 - Départements : 44-49-56-85 ■ **ALDES NICE** - Tél : 04 97 21 28 10 - Départements : 04-05-06-2A-2B-83 (est)-98 ■ **PARIS - ALDES LA COURNEUVE** - Tél : 01 43 11 10 10 - Départements : 60-92-93-95 ■ **PARIS - ALDES VITRY** - Tél : 01 43 91 65 65 - Départements : 75-77-78-91-94 ■ **ALDES RENNES** - Tél : 02 99 14 51 60 - Départements : 22-29-35-53 ■ **ALDES ROUEN** - Tél : 02 32 19 50 50 - Départements : 14-27-50-61-76 ■ **ALDES STRASBOURG** - Tél : 03 88 60 13 10 - Départements : 67-68-88 (nord est) ■ **ALDES TOURS** - Tél : 02 47 63 15 15 - Départements : 18-28-36-37-41-45-72-79-86 ■ **ALDES TOULOUSE** - Tél : 05 34 60 44 60 - Départements : 09-12-19-23-31-32-46-65-81-82-87

■ **ALDES INTERNATIONAL** - Tél : +33 4 78 77 15 15 - Fax : +33 4 78 77 15 56

Aldes se réserve le droit d'apporter à ses produits toutes modifications liées à l'évolution de la technique. - RCS Lyon 956 506 828 - VC 100870-1