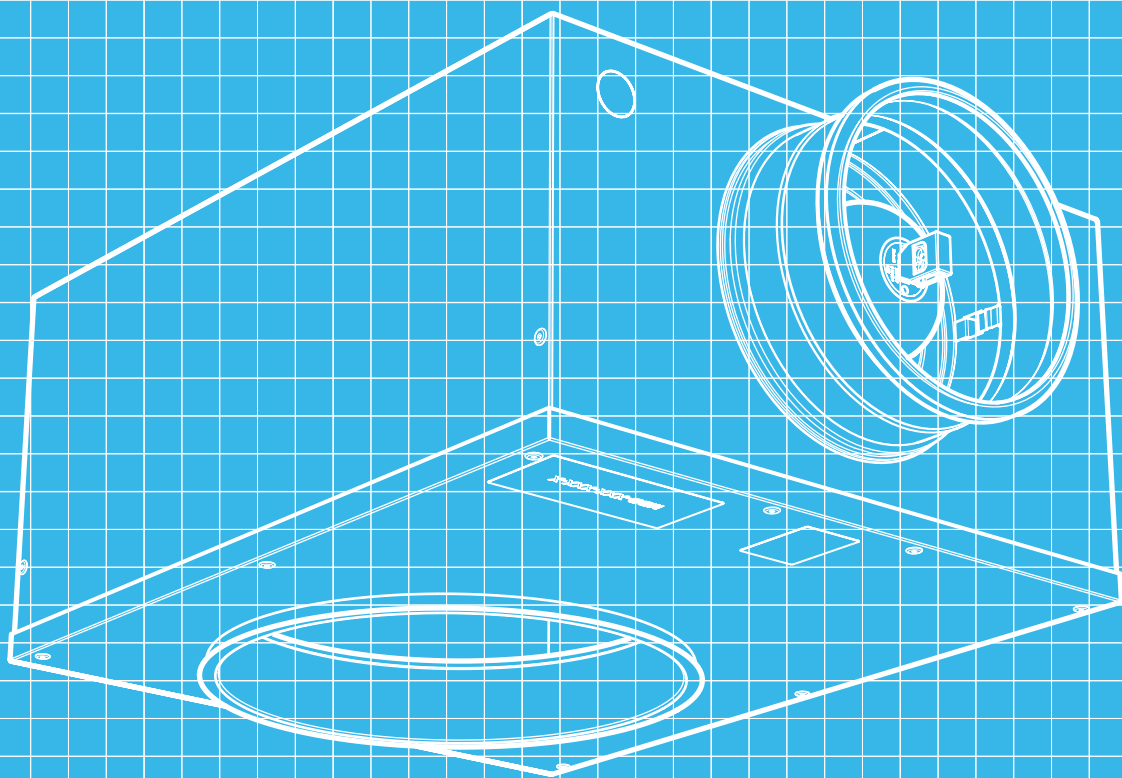




Lindab **MB**

Plenum box - Installation instruction
Tryckfordelingsboks - Installations vejledning
Tryckfördelningslåda - Montageinstruktion
Liitântälaatikko Asennus - ja säätöohjeet
Anschlusskasten - Montageanleitung
Plenum - Istruzioni di montaggio
Plénium - Instructions de montage

MB

Contetent

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Sisällysluettelo

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Symbols

Symboler

Symboler

Symbolit

Symbole

Simboli

Symboles



Vertical supply air
Vertikal tilluft
Vertikal tilluft
Pystysuora puhallus
Vertikaler Zuluft
Mandata vertikale
Soufflage vertical



Low impulse principle
Lavimpuls princip
Lågimpuls princip
Piennopeuspuhallus
Niedrigimpulsprinzip
Principio del baso impulso
Principe basse vitesse



Open damper
Åbent spjæld
Öppet spjäll
Säästöpelte auki
Geöffnete Drossel
Serranda aperta
Registre ouvert



Closed damper
Lukket spjæld
Stängt spjäll
Suljettu säästöpelte
Geschlossene Drossel
Serranda chiusa
Registre fermé



No tools - Magnet
Ingen værktøj - Magnet
Inga verktyg - Magnet
Ei työkaluja - Magneetit
Keine Werkzeuge - Magnete
Nessun attrezzo - Magnete
Sans outil - Aimants



Lock
Lås
Låsa
Lukitse
Geschlossen
Blocco
Verrouiller

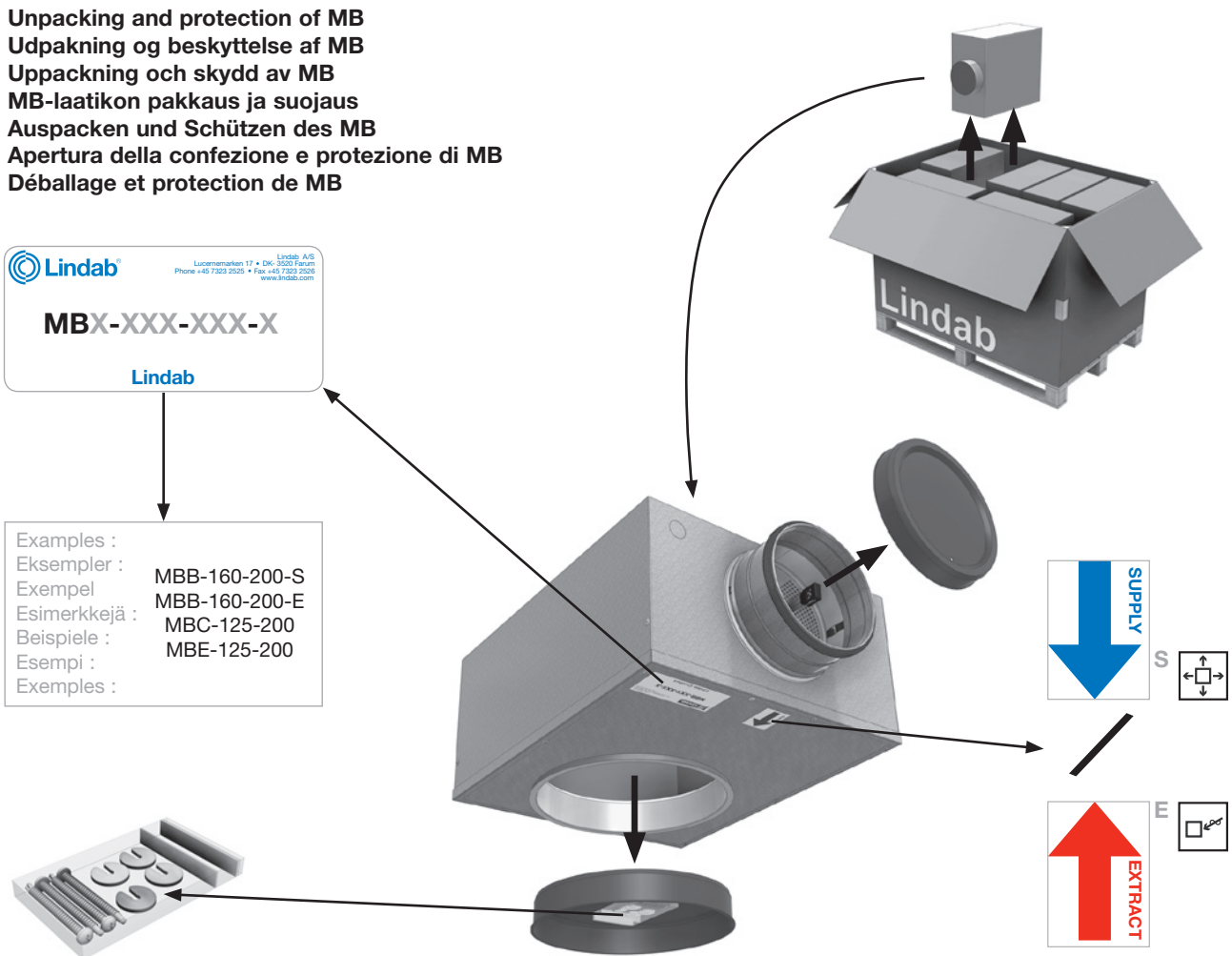


Unlock
Lås op
Låsa upp
Avaa
Geöffnet
Sblocco
Déverrouiller

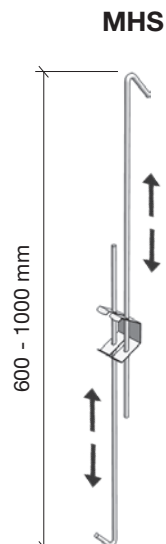
Unpacking and protection of MB
Udpakning og beskyttelse af MB
Uppackning och skydd av MB
MB-laatikon pakkaus ja suojaus
Auspacken und Schützen des MB
Apertura della confezione e protezione di MB
Déballage et protection de MB



Examples :
Eksempler : MBB-160-200-S
Exempel : MBB-160-200-E
Esimerkkejä : MBC-125-200
Beispiele : MBE-125-200
Esempi :
Exemples :



Accessories
Tilbehør
Tillbehör
Lisävarusteet
Zubehör
Accessori
Accessoires



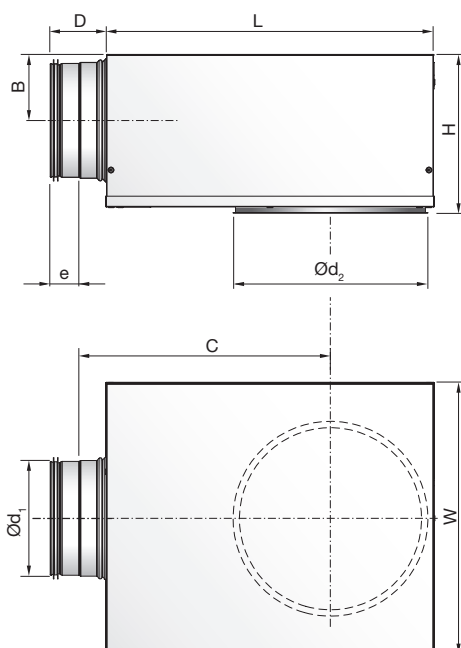
PC410



[PC410](#)

MB

Dimensions
Dimensioner
Dimensioner
Mitat
Dimensionen
Dimensioni
Dimensions



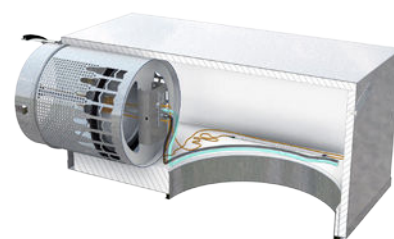
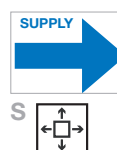
Ød ₁ mm	Ød ₂ mm	B	C	D	e	H	L	W	m kg
100	100	62	245	78	40	163	310	260	2,6
100	125	62	245	78	40	163	310	260	2,6
100	160	62	245	78	40	163	310	260	2,6
125	125*	75	291	78	40	188	376	310	3,7
125	160	75	291	78	40	188	376	310	3,7
125	200	75	291	78	40	188	376	310	3,7
160	160*	92	352	78	40	222	459	380	5,5
160	200	92	352	78	40	222	459	380	5,5
160	250	92	352	78	40	222	459	380	5,5
200	200*	112	425	78	40	263	565	460	7,3
200	250	112	425	78	40	263	565	460	7,3
200	315	112	425	78	40	263	565	460	7,3
250	250*	137	514	118	60	313	698	540	10,6
250	315	137	514	118	60	313	698	540	10,6
250	400	137	514	118	60	313	698	540	10,6
315	315*	170	675	118	60	378	858	540	13,5
315	400	170	675	118	60	378	858	540	13,5

*) Ød₁ = Ød₂ Not available in Sweden, except 315-315 (with some diffusers).

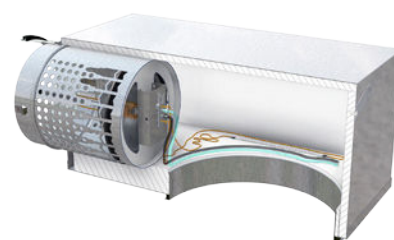
*) Ød₁ = Ød₂ Ej tillgänglig i Sverige, undantaget 315-315 (med vissa don).
PC6, PC7, RC14, RC15, NC19, LCC, LCP, LKP
PS1-V, PS8-V RS14-V, RS15-V, RS16-V, GS23-V

Damper options
Spjæld varianter
Spjällalternativ
Säätöpeltivaihtoehdot
Drosselvarianten
Serranda disponibili
Type de registres

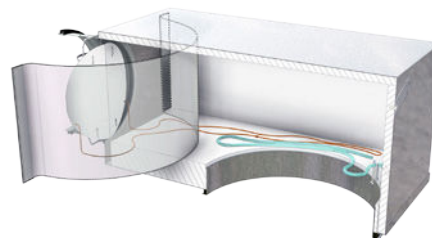
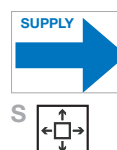
MBB-S



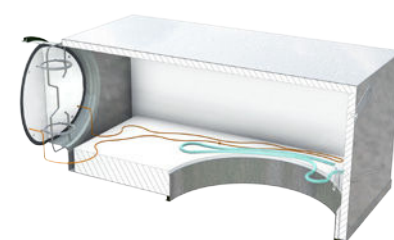
MBB-E



MBC



MBE

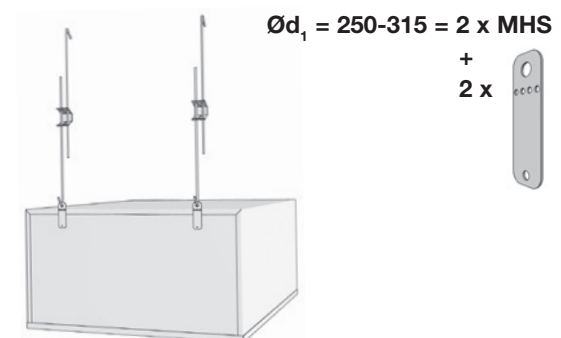
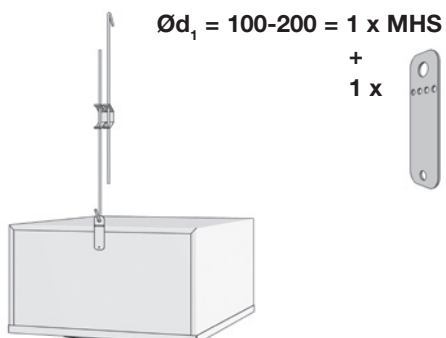
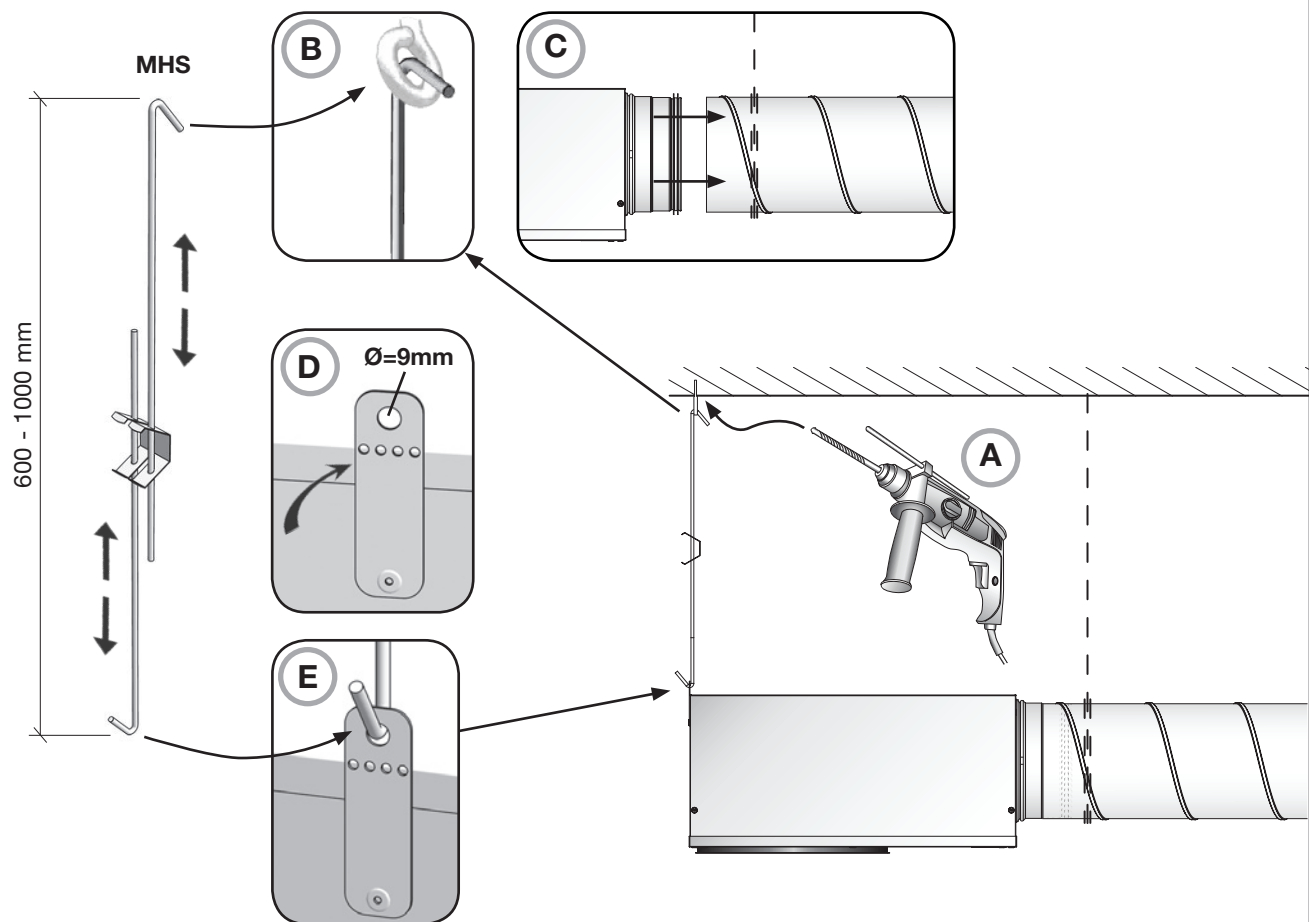
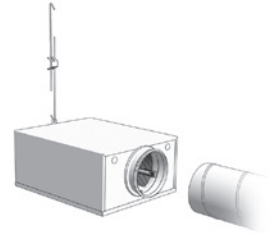


MB

2a

Mounting of MB
 Ophængning af MB
 Upphängning av MB
 Kannakointi MB
 Montage des MB
 Montaggio di MB
 Montage de MB

- accessory MHS
- tilbehør MHS
- MHS pendel
- MHS
- mit Zubehör MHS
- sospensioni MHS
- MHS

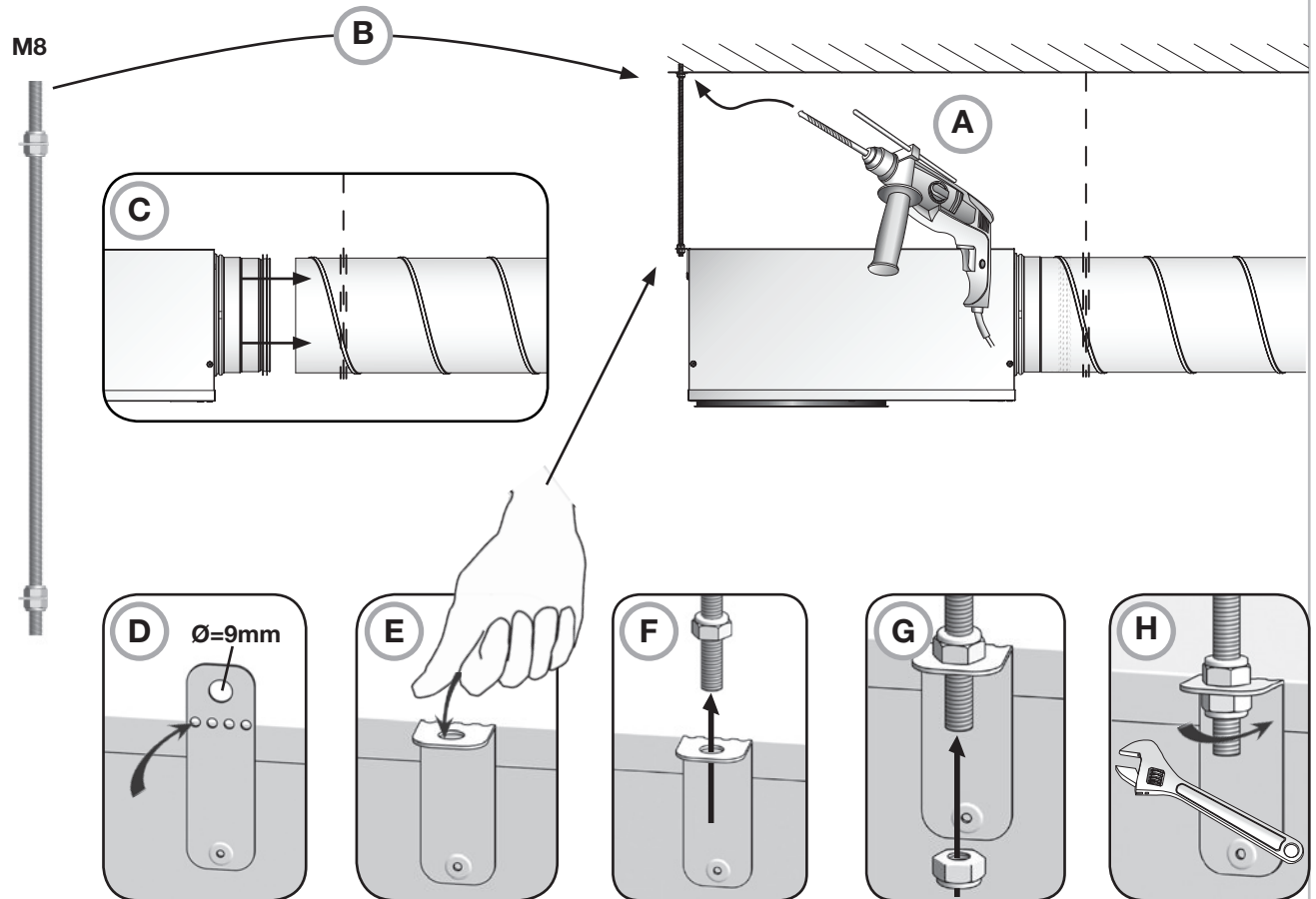
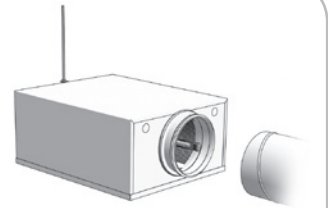


MB

2b

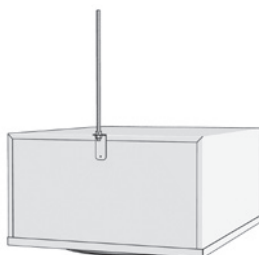
Mounting of MB
Ophængning af MB
Upphängning av MB
Kannakointi MB
Montage des MB
Montaggio di MB
Montage de MB

- Threaded bar
- Gevindstang
- Gångstång
- Kierretanko
- Gewindestange
- Barre filettate
- Tiges filetées



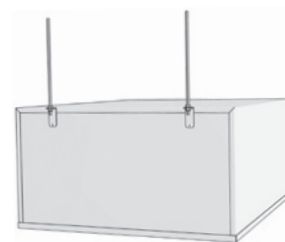
$\text{Ød}_1 = 100-200 = 1 \times \text{M8}$

+
1 x 



$\text{Ød}_1 = 250-315 = 2 \times \text{M8}$

+
2 x 

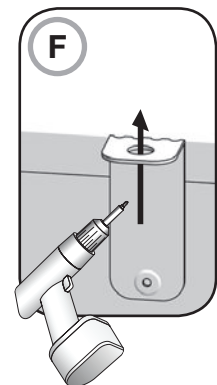
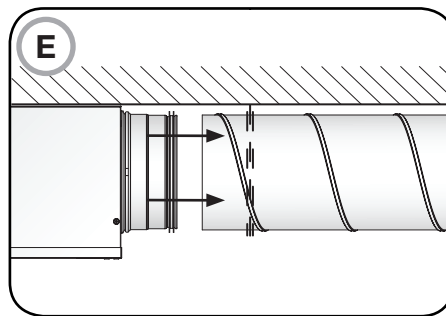
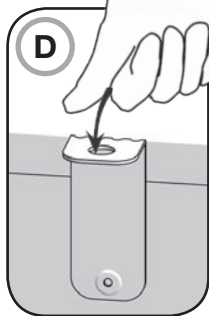
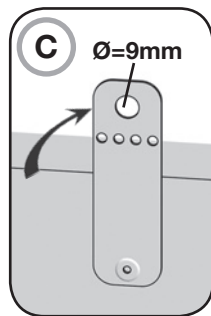
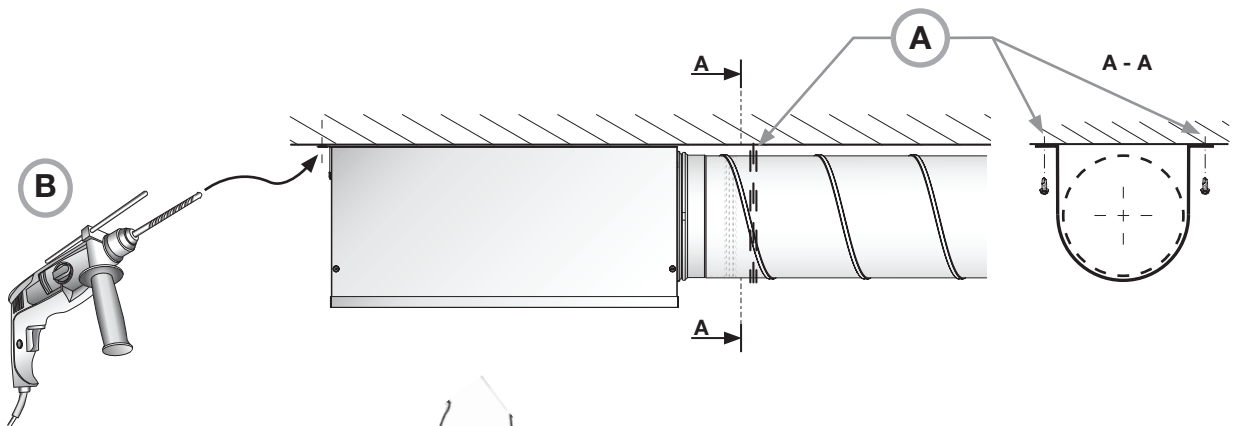
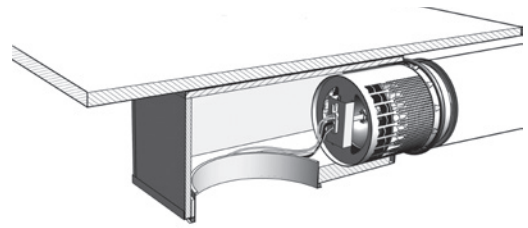


MB

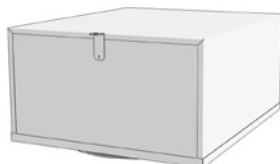
2c

Mounting of MB
 Ophængning af MB
 Upphängning av MB
 Kannakointi MB
 Montage des MB
 Montaggio di MB
 Montage de MB

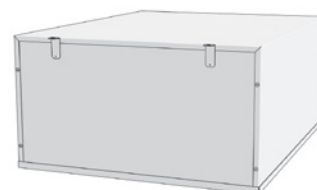
- Directly against ceiling
- Direkte mod loft
- Dikt mot tak
- Suoraan kattopintaan
- Direkt an die Decke
- Direttamente a soffitto
- Directement contre le plafond



$\text{Ød}_1 = 100-200 = 1 \times$



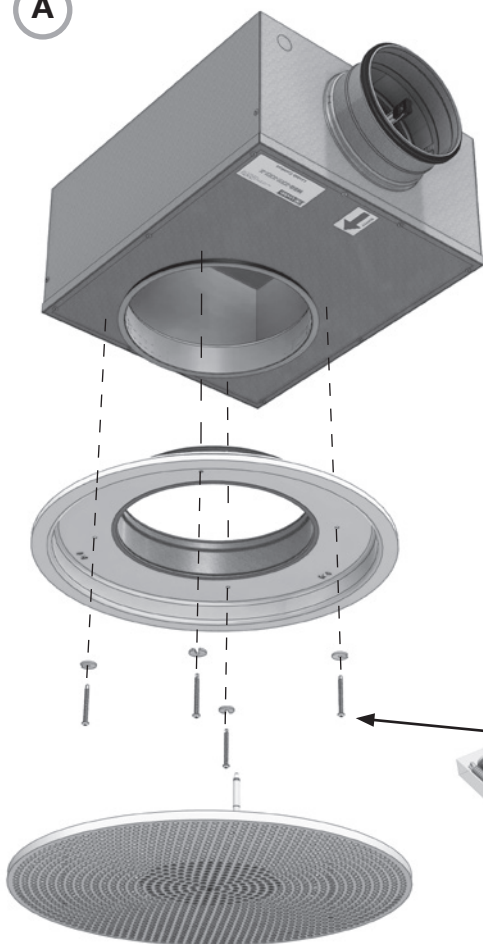
$\text{Ød}_1 = 250-315 = 2 \times$



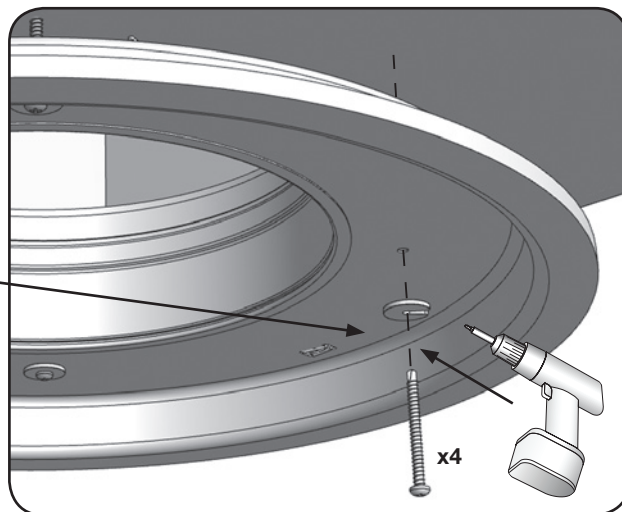
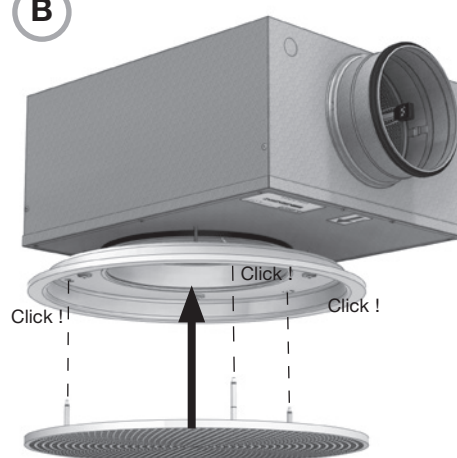
Mounting of diffuser in MB
Montering af armatur i MB
Montering av don i MB
Hajottajan asennus liitântälaatikoon MB
Durchlassmontage im MB
Montaggio del diffusore in MB
Montage du diffuseur dans MB

Example :
 Eksempel :
 Exempel :
 Esimerkki : PCA-200 + MBB-160-200-S
 Beispiel :
 Esempio :
 Exemple :

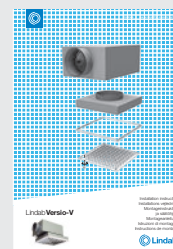
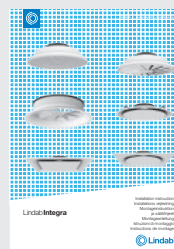
A



B



Mounting of diffuser
 Montering af armatur
 Montering av don
 Hajottajan asennus
 Durchlassmontage
 Montaggio del diffusore
 Montage de diffuseur

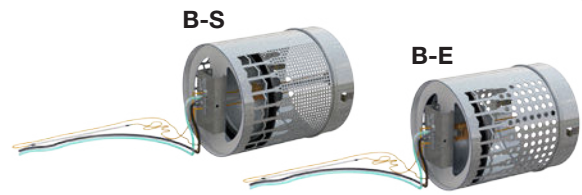
[Formo](#)
[Integra](#)
[Versio](#)


MBB-S / MBB-E

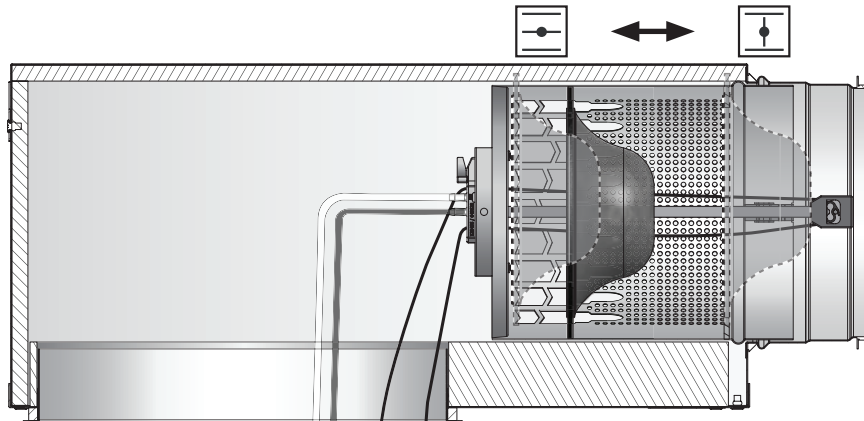
4a

Balancing
Indregulering
Injustering
Säätöohjeet
Einregulierung
Bilanciamento
Réglage

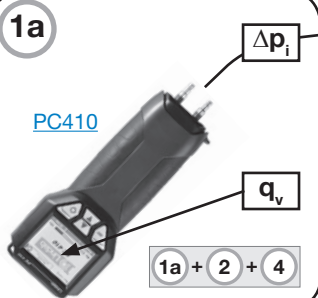
Using the k-factor scale
Anvendelse af k-faktor skalaen
Att använda k-faktorskalan
k-arvoasteikon käyttö
Verwenden der k-Wert Skala
Impiego della scala graduata del fattore k
Utiliser la règle coefficient k



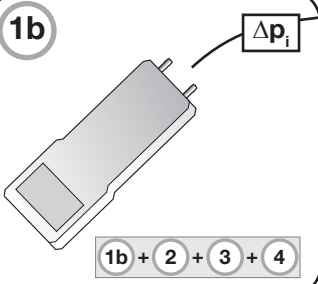
MBB-S /
MBB-E



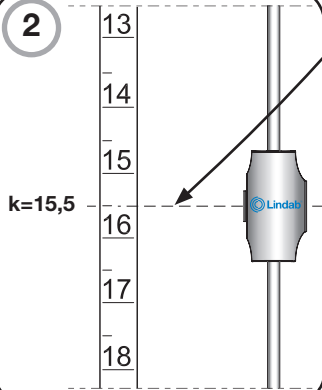
1a



1b



2



90°

!

Only pull the strings, NOT the ruler or marker!
 Træk kun i snorene, ikke linealen eller markøren!
 Drag enbart i snörena, INTE i linjalen eller markören!
 Vedä vain narusta, ei mitta-asteikosta!
 Ziehen Sie nur an der Schnüren,
 NIE an der Skala oder der Peilkugel!
 Tirare solo i cavi di taratura, NON il righello o l'indicatore!
 Tirer uniquement la cordelette,
 pas la règlette ou le marqueur

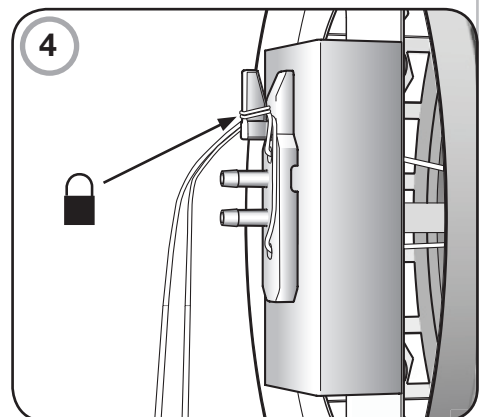
3

$$q_v \text{ [l/s]} = k \times \sqrt{\Delta p_i}$$

$$\Delta p_i = (q_v / k)^2$$

$$q_v \text{ [m}^3\text{/h]} = q_v \text{ [l/s]} \times 3,6$$

4

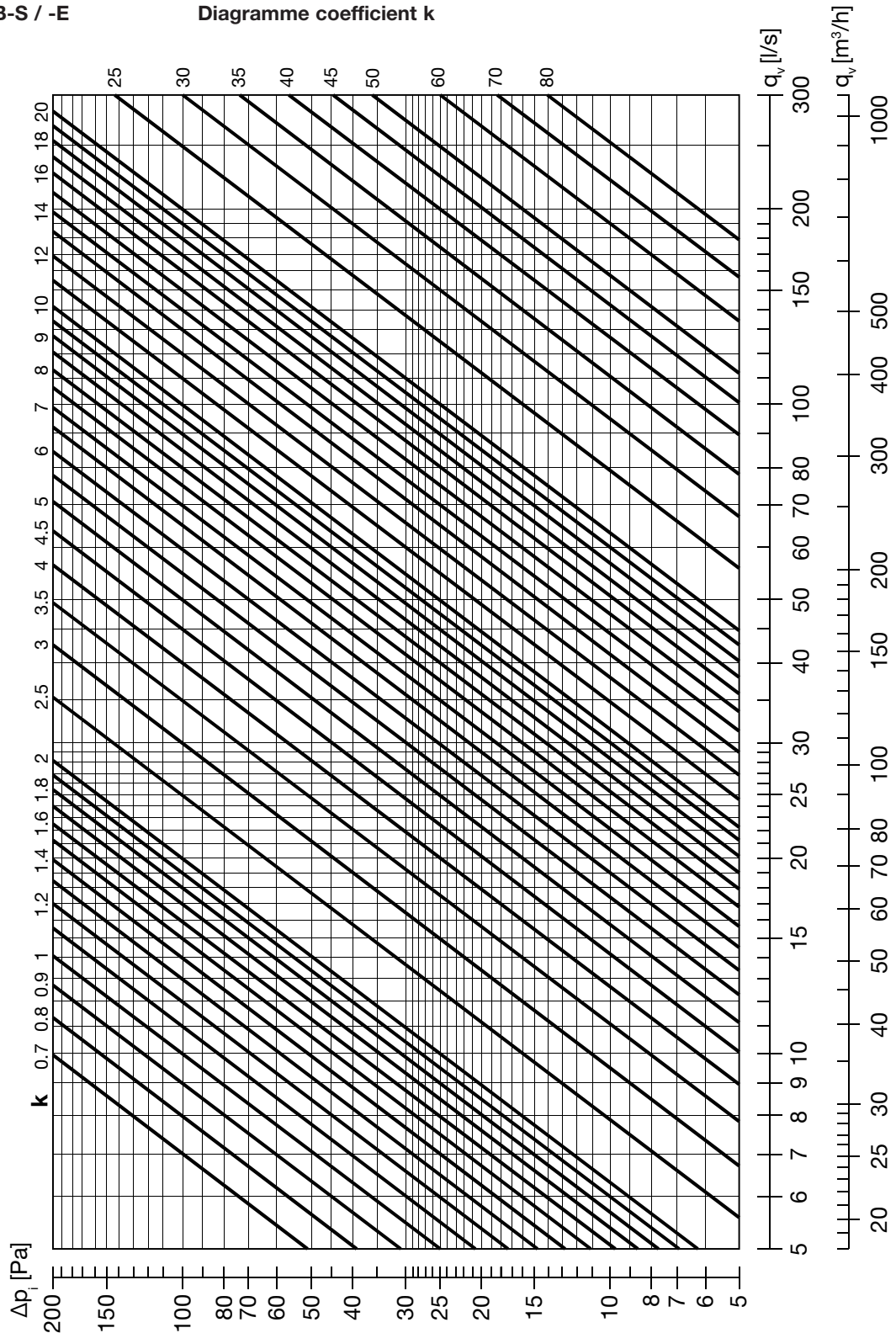


MBB-S / MBB-E

4a

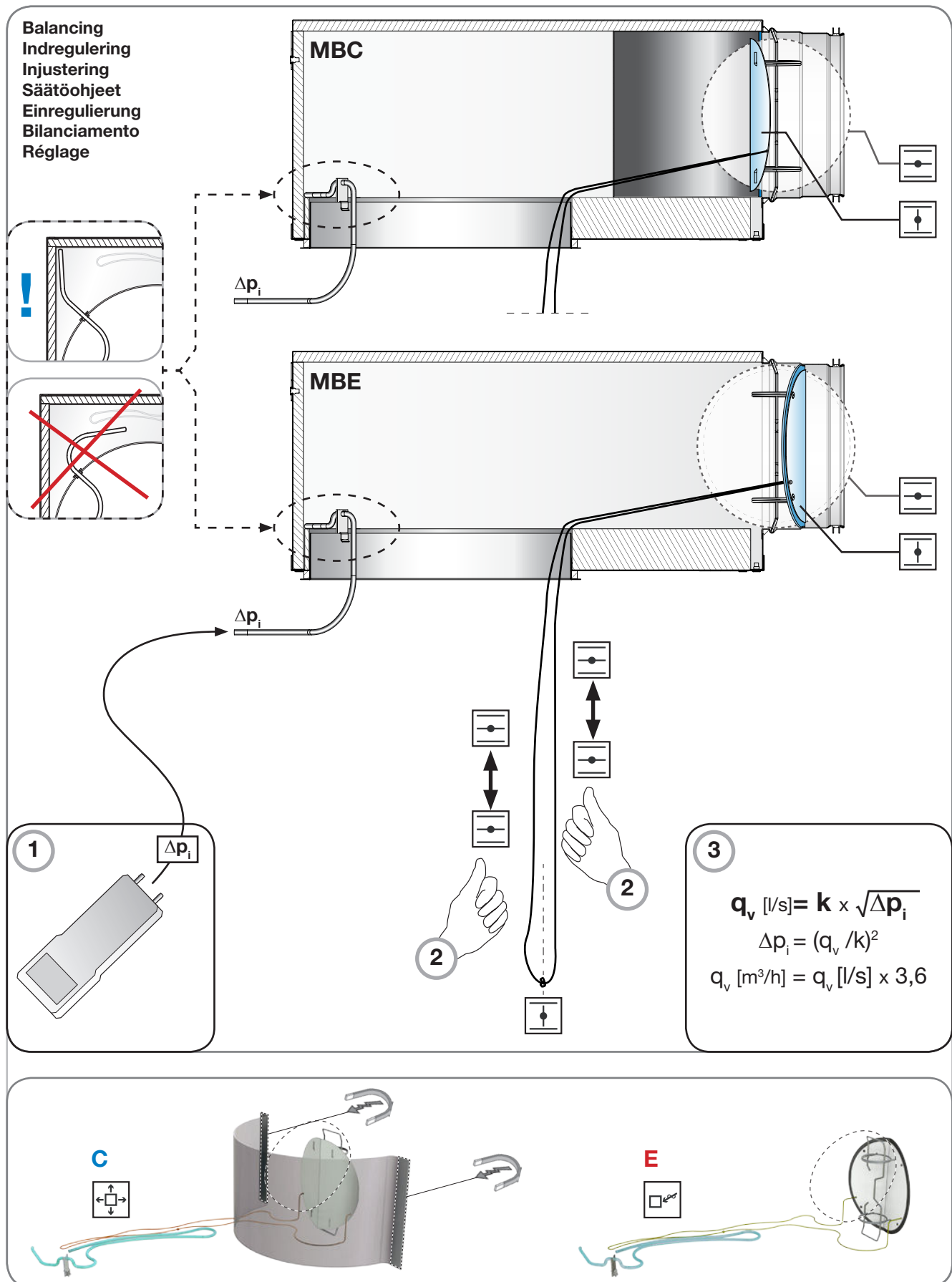
Balancing MBB-S / -E
Indregulering MBB-S / -E
Injustering MBB-S / -E
Säätöohjeet MBB-S / -E
Einregulierung MBB-S / -E
Bilanciamento MBB-S / -E
Réglage MBB-S / -E

k-factor diagram
k-faktor diagram
k-faktor diagramm
k-arvoasteikko
k-Wert Diagram
Diagramma fattore k
Diagramme coefficient k



MBC / MBE

4b



MBC / MBE

4b

k-factors for ceiling diffusers + MBC / MBE**k-faktorer for loftarmaturer + MBC / MBE****k-faktorer för takdon + MBC / MBE****k-arvoasteikko kattohajottajille + MBC / MBE****k-Werte für Deckendurchlässe + MBC / MBE****Fattori k per diffusori da soffitto + MBC / MBE****Coefficients k diffuseurs plafonniers + MBC / MBE**

**) $\varnothing d_1 = \varnothing d_2$ Not available in Sweden,
except 315-315 (with some diffusers).
**) $\varnothing d_1 = \varnothing d_2$ Ej tillgänglig i Sverige,
undantaget 315-315 (med vissa don).



MBC 	Formo				Integra						
	PCA / PKA	LCA / LKA	CRL  		PC6  	PC7	RC14	RC15	RCG	NC19	LCP / LKP / LCC
MBC-100-100**	11,2*, **	7,7*, **	6,8**	5,1**	-	-	-	-	-	-	-
MBC-100-125	14,5	9,1	9,7	7,0	7,8	-	-	-	3,9	7,6	9,2
MBC-100-160	14,0	14,0	12,7	10,1	13,9	10,7	11,6	11,0	7,2	12,3	13,6
MBC-125-125**	13,3**	10,1**	9,6**	7,0**	10,5**	-	-	-	3,7**	11,3**	9,3**
MBC-125-160	15,5	15,1	14,3	9,8	16,2	13,1	13,5	11,7	6,7	12,2	14,1
MBC-125-200	22,1	20,2	14,5	13,9	20,0	14,9	10,3	13,3	10,3	17,0	18,8
MBC-160-160**	19,3**	15,3**	17,0**	11,8**	17,0**	15,2**	12,5**	10,5**	7,2**	16,5**	14,3**
MBC-160-200	23,5	17,1	19,5	17,0	22,2	16,8	16,0	13,6	10,8	18,1	18,5
MBC-160-250	33,6	28,2	33,1	27,8	30,4	23,8	21,9	22,1	18,3	26,9	26,0
MBC-200-200**	25,7**	25,6**	25,0**	21,1**	22,9**	17,7**	19,1**	18,9**	10,4**	19,2**	20,4**
MBC-200-250	35,2	31,8	37,9	32,5	23,6	26,4	29,1	22,5	17,3	28,3	25,0
MBC-200-315	49,1	38,6	51,8	37,5	40,8	30,3	35,3	34,1	25,9	33,7	27,2
MBC-250-250**	37,7**	30,5**	39,5**	34,6**	34,0**	24,5**	24,4**	21,6**	18,5**	28,8**	25,3**
MBC-250-315	51,1	34,0	55,1	39,4	48,8	29,5	34,5	31,6	25,0	34,3	30,2
MBC-250-400	68,4	36,3	80,5	66,4	-	-	-	-	43,9	-	-
MBC-315-315	50,1**	39,9**	56,9**	40,0**	48,5	29,9	35,5	33,2	25,4**	32,3	27,8
MBC-315-400	68,6	35,1	83,8	68,5	-	-	-	-	41,0	-	-

- Not possible / Ikke mulig / Ej tillgänglig / Ei mahdollinen / Nicht möglich / Non possibile / Pas possible

*) Only / kun / endast / vain / nur / solo / seulement PCA + LCA

MBE 	Formo			INTEGRA						
	PCA / PKA	LCA / LKA	CRL	PC6	PC7	RC14	RC15	RCG	NC19	LCP / LKP / LCC
MBE-100-100**	10,1*, **	10,4*, **	10,4**	-	-	-	-	-	-	-
MBE-100-125	15,4	12,0	14,0	16,4	-	-	-	-	-	11,5
MBE-100-160	29,0	19,1	25,0	21,5	-	14,6	19,9	-	-	20,6
MBE-125-125**	15,2**	12,6**	14,1**	14,8**	-	-	-	-	-	11,3**
MBE-125-160	25,3	16,5	17,2	21,9	-	8,0	19,3	-	-	15,8
MBE-125-200	31,1	19,0	34,6	38,2	-	17,3	32,7	-	-	19,1
MBE-160-160**	20,8**	15,7**	17,6**	22,9**	-	12,9**	19,8**	-	-	15,3**
MBE-160-200	36,5	20,6	35,2	34,5	-	13,4	27,9	-	-	18,0
MBE-160-250	49,9	31,2	47,5	68,3	-	21,0	49,8	-	-	28,4
MBE-200-200**	31,8**	19,9**	29,9**	32,6**	-	17,6**	14,0**	-	-	17,9**
MBE-200-250	44,2	32,3	44,3	28,9	-	21,8	51,6	-	-	31,0
MBE-200-315	67,7	68,9	49,5	66,4	-	27,4	58,8	-	-	29,7
MBE-250-250**	44,1**	36,3**	49,2**	54,2**	-	20,6**	48,3**	-	-	18,9**
MBE-250-315	73,2	29,5	55,9	72,5	-	29,8	67,1	-	-	28,5
MBE-250-400	119,0	35,8	115,4	-	-	-	-	-	-	-
MBE-315-315	60,9**	35,4 **	57,8**	68,1	-	30,7	61,9	-	-	28,5
MBE-315-400	78,8	43,3	103,4	-	-	-	-	-	-	-

Differential pressure <3Pa at 4 m/s in duct connection. - Differenstryk <3Pa ved 4 m/s i kanaltilslutning.
Differenstryck <3Pa vid 4 m/s i kanalanslutning. - Kanavaliitoksen painehäviö <3Pa 4 m/s kanavanopeudella.
Differenzdruck < 3Pa bei 4m/s in Rohranschluss - Pressione differenziale <3Pa a 4 m/s all'attacco canale -
Pression différentielle <3Pa à 4 m/s dans le piquage de raccordement.

49,9

MBC / MBE

4b

k-factors for ceiling diffusers + MBC / MBE
k-faktorer for loftarmaturer + MBC / MBE
k-faktorer för takdon + MBC / MBE
k-arvoasteikko kattohajottajille + MBC / MBE
k-Werte für Deckendurchlässe + MBC / MBE
Fattori k per diffusori da soffitto + MBC / MBE
Coefficients k diffuseurs plafonniers + MBC / MBE



**) $\varnothing d_1 = \varnothing d_2$ Not available in Sweden,
 except 315-315 (with some diffusers).
 **) $\varnothing d_1 = \varnothing d_2$ Ej tillgänglig i Sverige,
 undantaget 315-315 (med vissa don).



MBC 	Versio							FKD	
	PS1-V 	PS8-V 	RS14-V 	RS15-V 	RS16-V 	NS19-V 	GS23-V 	 H	 V
MBC-100-100	-	-	-	-	-	-	-	-	-
MBC-100-125	-	-	-	-	-	-	-	-	-
MBC-100-160	-	8,2	10,8	-	-	12,3	-	14,4	11,6
MBC-125-125	-	-	-	-	-	-	-	-	-
MBC-125-160	-	9,6	13,1	-	-	12,9	-	15,2	12,0
MBC-125-200	19,4	9,3	13,5	12,1	-	14,8	-	23,2	19,7
MBC-160-160**	-	10,5**	13,3**	-	-	14,3**	-	17,1**	12,5**
MBC-160-200	21,0	9,8	15,2	11,8	-	16,6	-	15,8	14,9
MBC-160-250	30,6	20,2	21,1	19,6	-	21,7	-	32,7	27,8
MBC-200-200**	22,7**	10,5**	14,8**	12,7**	-	16,5**	-	22,7**	17,7**
MBC-200-250	34,6	18,0	22,0	20,4	-	22,6	-	36,0	29,1
MBC-200-315	55,3	31,1	32,5	32,9	38,4	33,6	-	53,1	43,5
MBC-250-250**	33,1**	22,4**	22,9**	21,2**	-	23,5**	-	33,8**	27,7**
MBC-250-315	46,5	31,8	33,3	33,6	39,7	35,0	-	58,5	44,2
MBC-250-400	-	-	-	-	-	-	-	73,9	68,1
MBC-315-315	48,1	29,8	32,1	29,3	32,3	37,2	-	61,1**	45,8**
MBC-315-400	-	-	-	-	-	-	-	80,4	64,8

- Not possible / Ikke mulig / tillgänglig / Ei mahdollinen / Nicht möglich / Non possibile / Pas possible

MBE 	Versio							FKD	
	PS1-V 	PS8-V 	RS14-V 	RS15-V 	RS16-V 	NS19-V 	GS23-V 	 H	 V
MBE-100-100	-	-	-	-	-	-	-	-	-
MBE-100-125	-	-	-	-	-	-	-	-	-
MBE-100-160	-	-	11,2	-	-	-	24,6	-	-
MBE-125-125	-	-	-	-	-	-	-	-	-
MBE-125-160	-	-	11,3	-	-	-	41,3	-	-
MBE-125-200	35,6	-	13,3	27,8	-	-	45,8	-	-
MBE-160-160**	-	-	10,2**	-	-	-	24,5**	-	-
MBE-160-200	34,4	-	13,6	26,8	-	-	43,2	-	-
MBE-160-250	53,3	-	21,1	46,3	-	-	92,0	-	-
MBE-200-200**	33,6**	-	12,7**	27,7**	-	-	43,0**	-	-
MBE-200-250	52,1	-	20,3	48,6	-	-	67,1	-	-
MBE-200-315	69,3	-	25,1	61,0	70,6	-	88,4	-	-
MBE-250-250**	51,5**	-	19,7**	45,2**	-	-	-	-	-
MBE-250-315	91,4	-	30,0	70,9	92,6	-	66,5	-	-
MBE-250-400	-	-	-	-	-	-	-	-	-
MBE-315-315	71,9	-	29,9	66,7	78,8	-	57,0	-	-
MBE-315-400	-	-	-	-	-	-	-	-	-

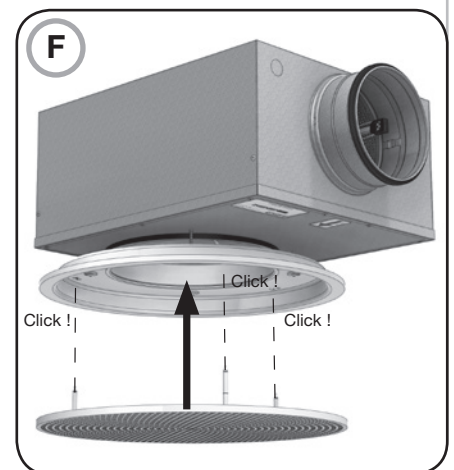
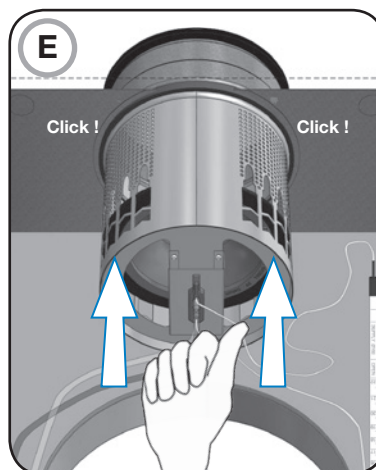
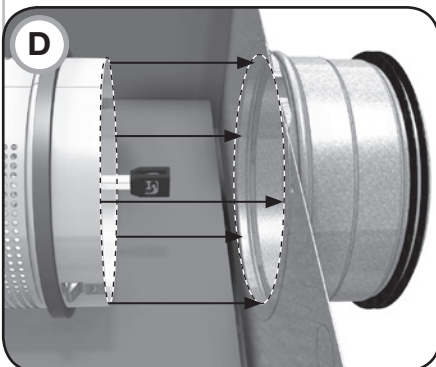
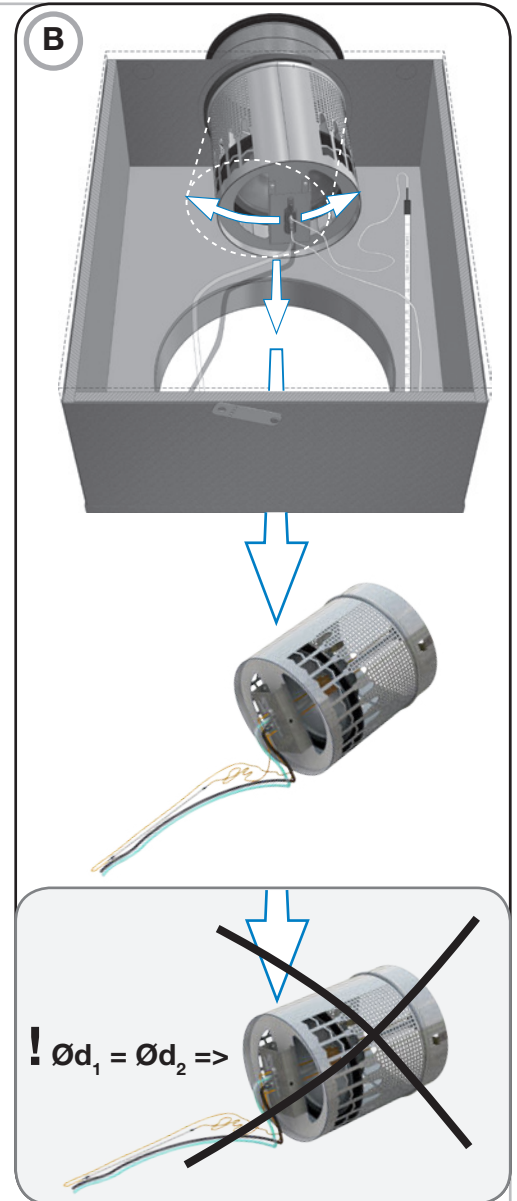
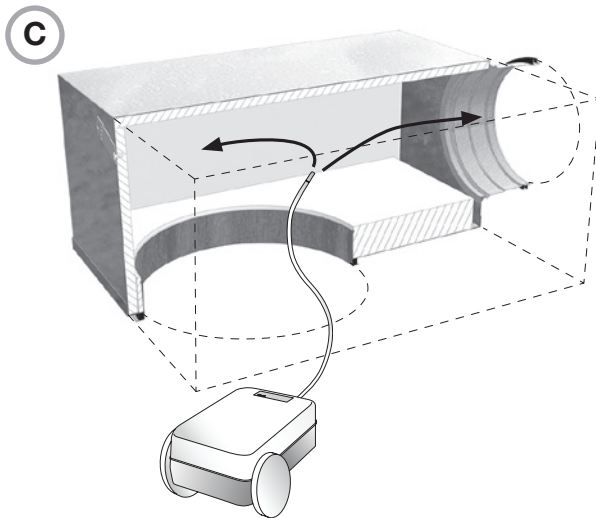
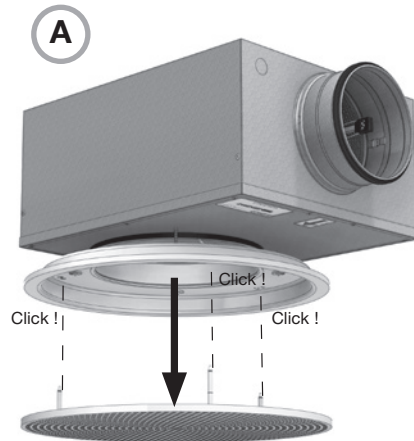
41,3

Differential pressure <3Pa at 4 m/s in duct connection. - Differenstryk <3Pa ved 4 m/s i kanaltilslutning.
 Differenstryck <3Pa vid 4 m/s i kanalslutning. - Kanavaliitoksen painehäviö <3Pa 4 m/s kanavanopeudella
 Differenzdruck <3Pa bei 4m/s in Rohranschluss - Pressione differenziale <3Pa a 4 m/s all'attacco canale -
 Pression différentielle <3Pa à 4 m/s dans le piquage de raccordement.

MBB-S / MBB-E

5a

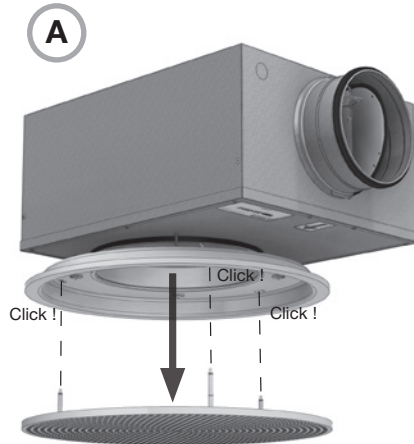
Maintenance
Vedligeholdelse
Underhåll
Huolto
Wartung
Manutenzione
Entretien



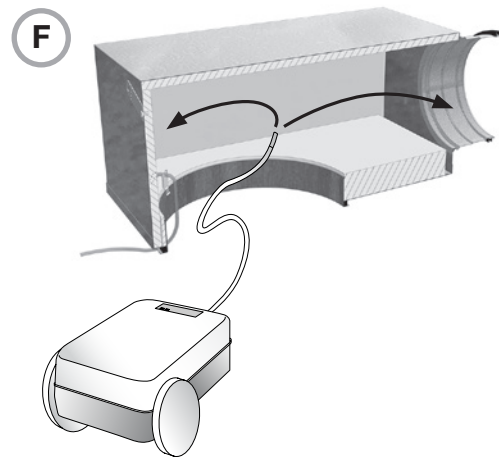
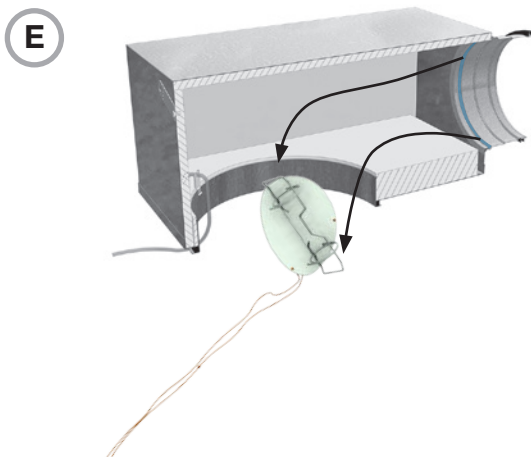
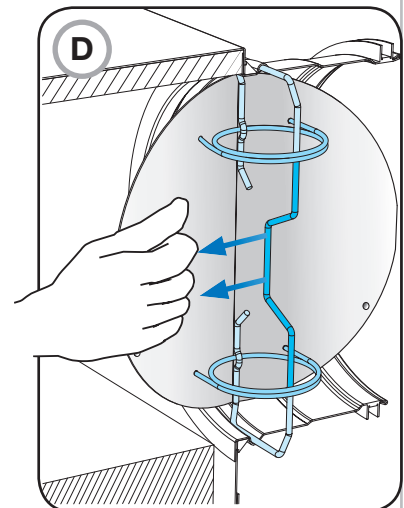
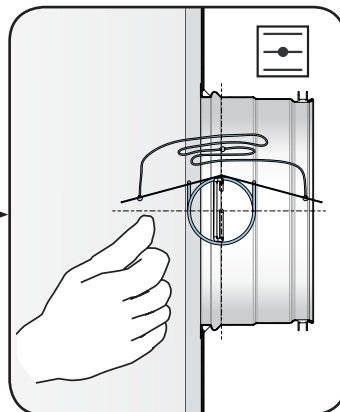
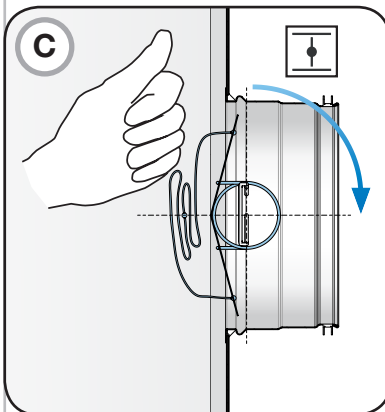
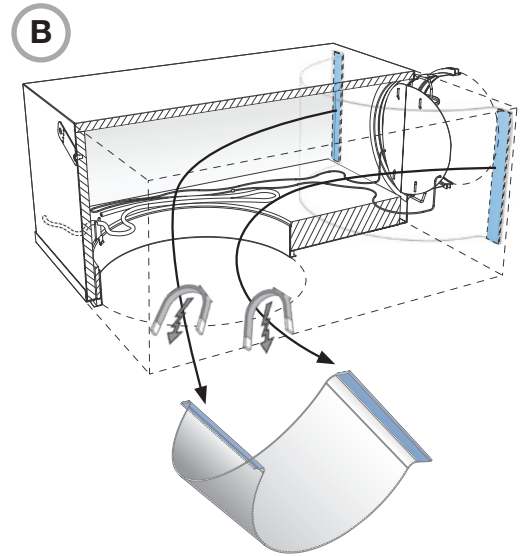
MBC

5b

Maintenance
Vedligeholdelse
Underhåll
Huolto
Wartung
Manutenzione
Entretien



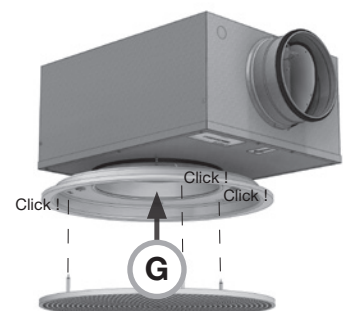
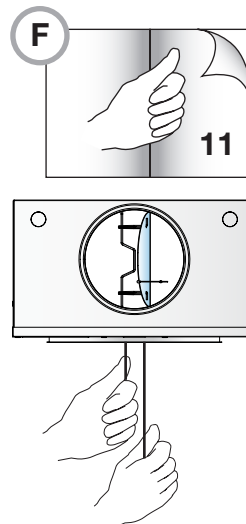
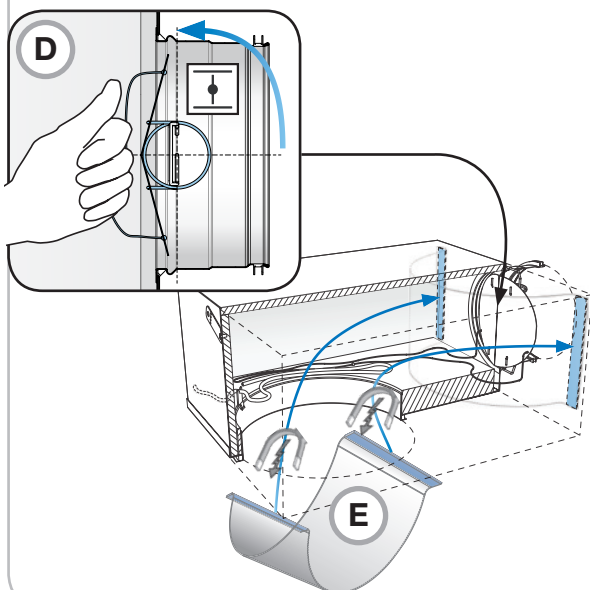
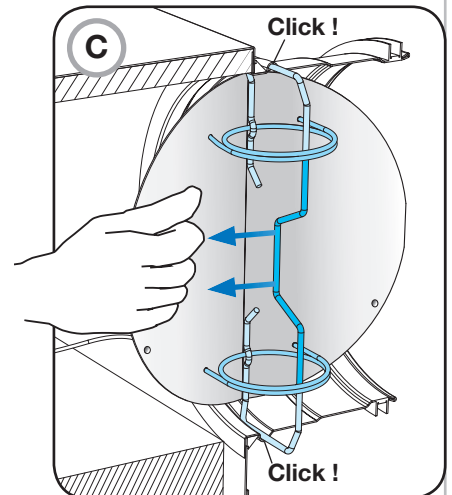
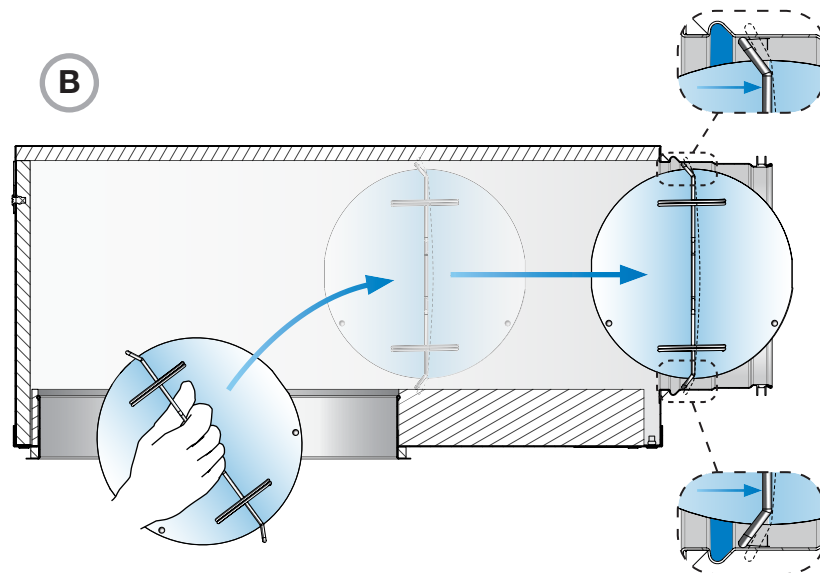
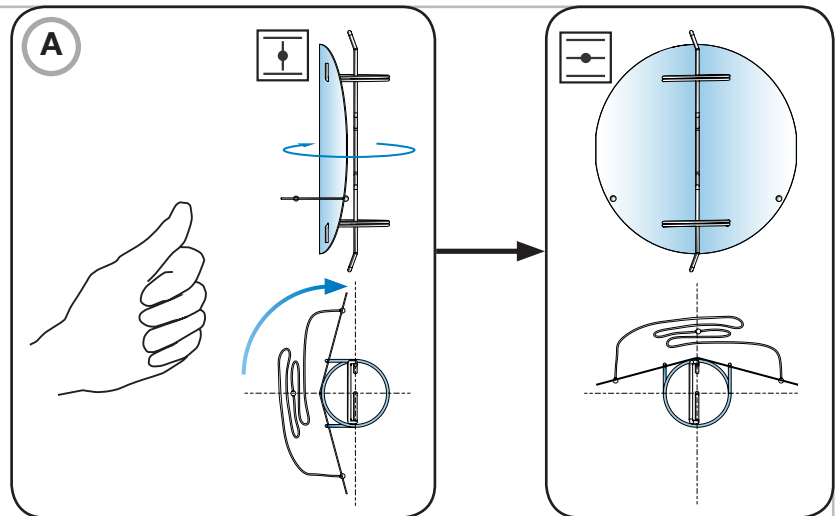
MBC



MBC

5b

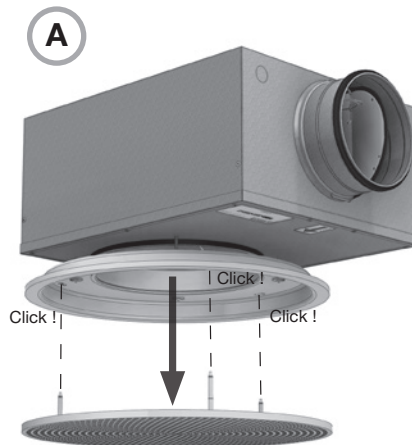
Installation of C-damper
 Montering af C-spjæld
 Montering av C-spjäll
 C-säätöpellin asennus
 Montage des C-Drossel
 Montaggio di seranda C
 Montage de registre C



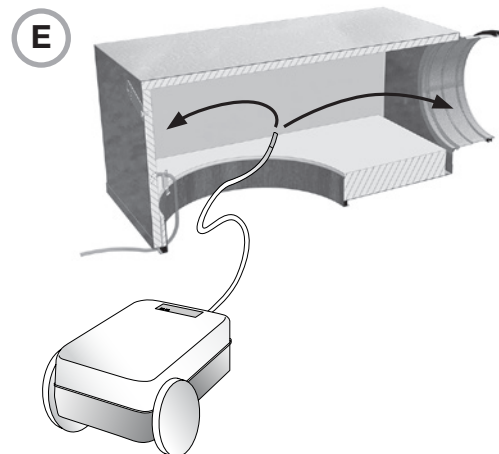
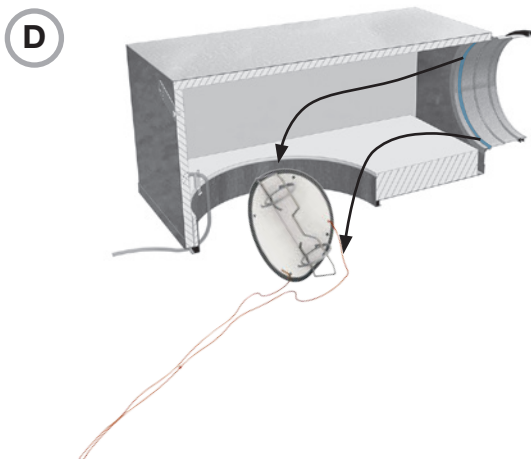
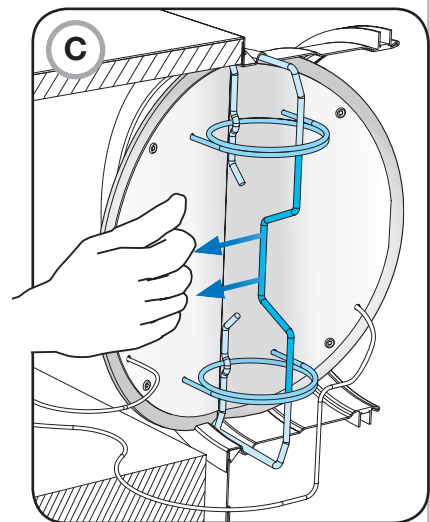
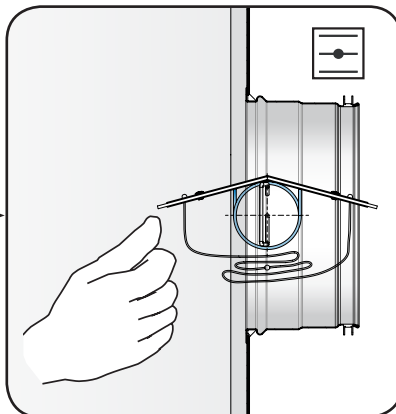
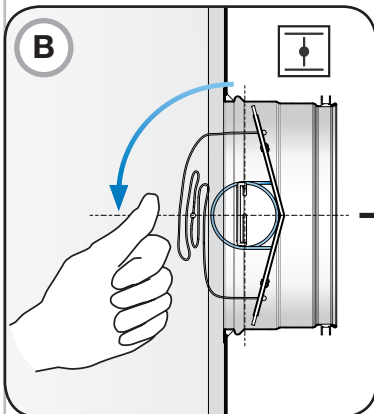
MBE

5b

Maintenance
 Vedligeholdelse
 Underhåll
 Huolto
 Wartung
 Manutenzione
 Entretien



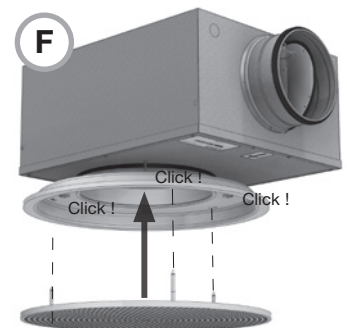
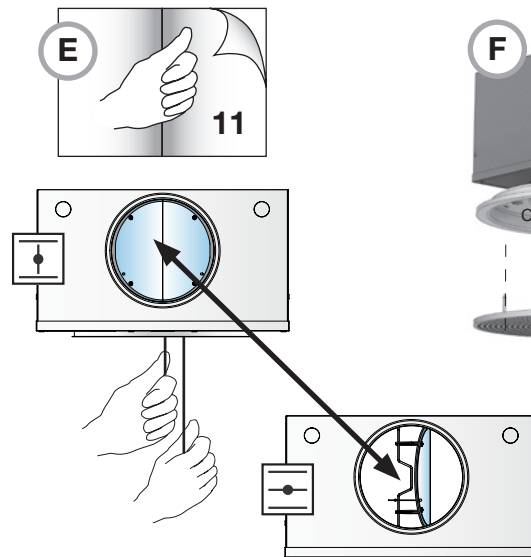
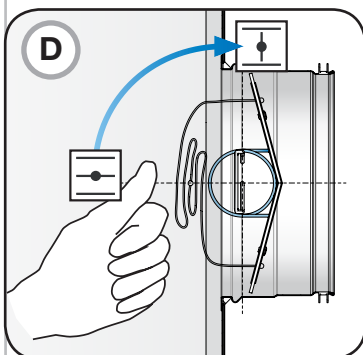
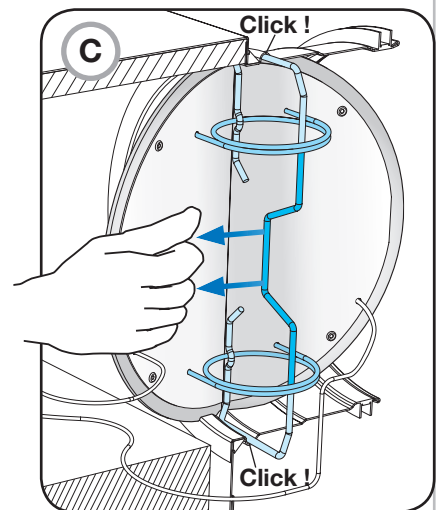
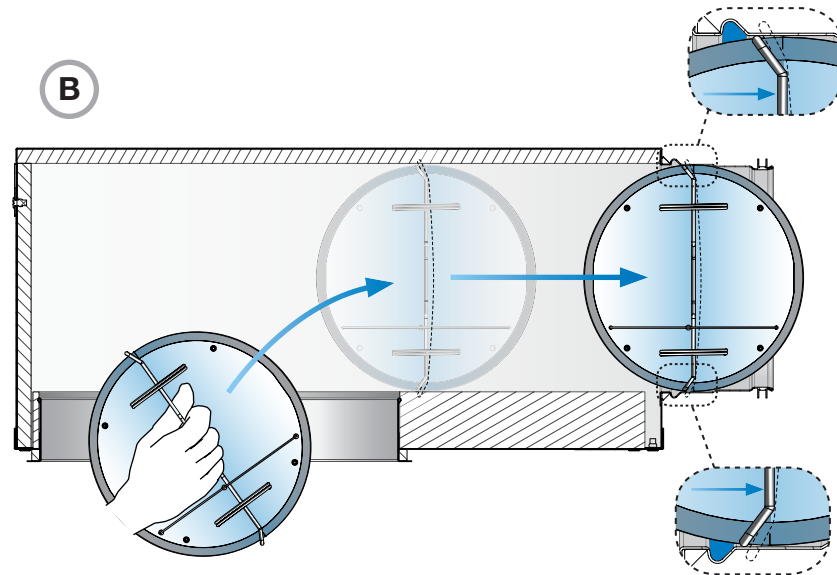
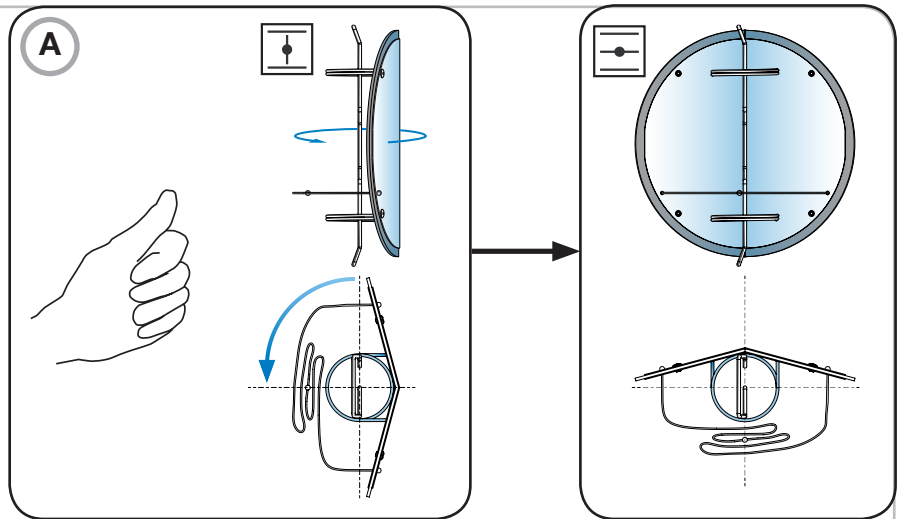
MBE



MBE

5b

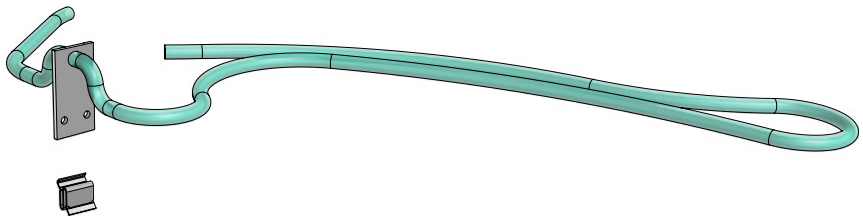
Installation of E-damper
 Montering af E-spjæld
 Montering av E-spjäll
 E-säätöpellin asennus
 Montage des E-Drossel
 Montaggio di seranda E
 Montage de registre E



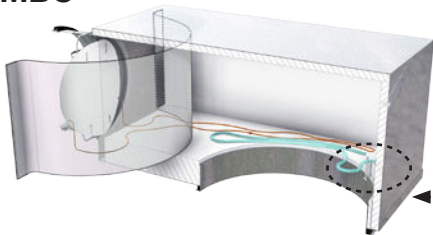
MBC / MBE

5c

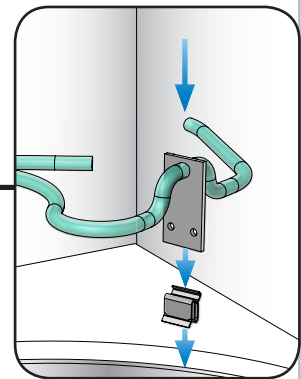
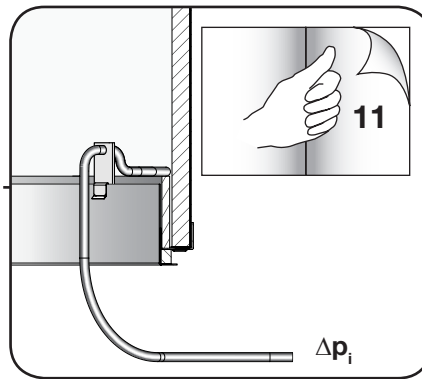
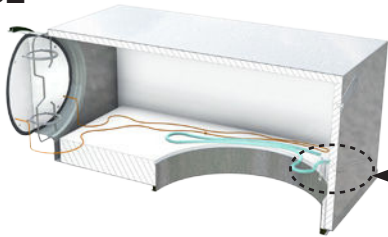
Measuring tube
Måleslange
Mätrör
Mittaletku
Messblende
Measuring-tube_IT
Tube de mesure



MBC



MBE





Good Thinking

At Lindab, good thinking is a philosophy that guides us in everything we do. We have made it our mission to create a healthy indoor climate - and to simplify the construction of sustainable buildings. We do that by designing innovative products and solutions that are easy to use, as well as offering efficient availability and logistics. We are also working on ways to reduce our impact on our environment and climate. We do that by developing methods to produce our solutions using a minimum of energy and natural resources, and by reducing negative effects on the environment. We use steel in our products. It's one of few materials that can be recycled an infinite number of times without losing any of its properties. That means less carbon emissions in nature and less energy wasted.

We simplify construction