



IQII

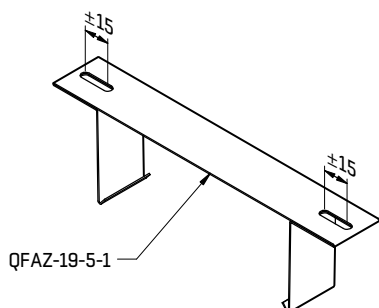
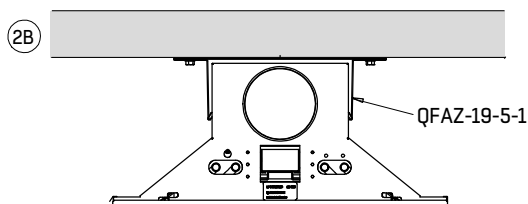
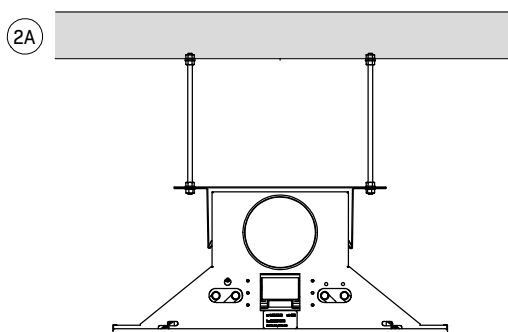
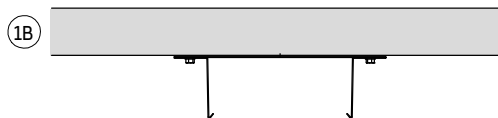
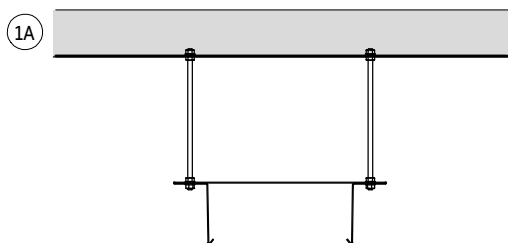
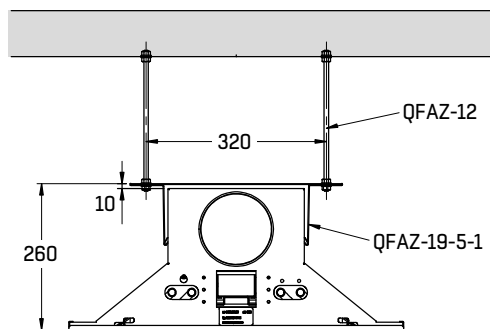
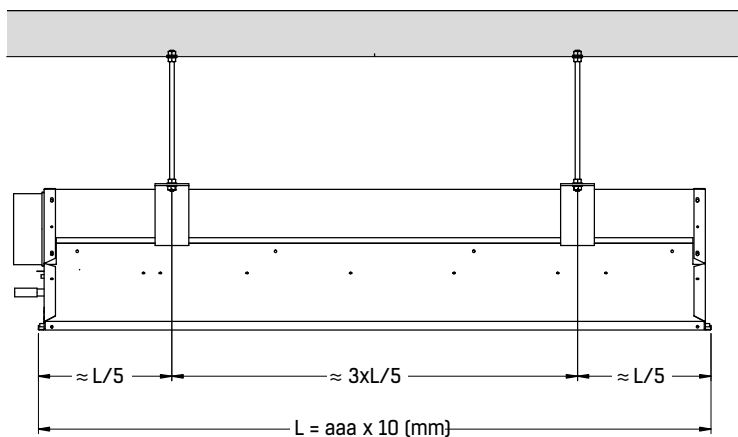
INDUCTIE-UNITS



IQII-aaa-bb-cc-d-e

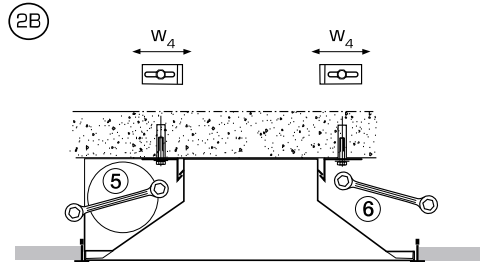
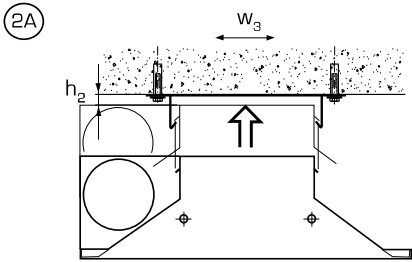
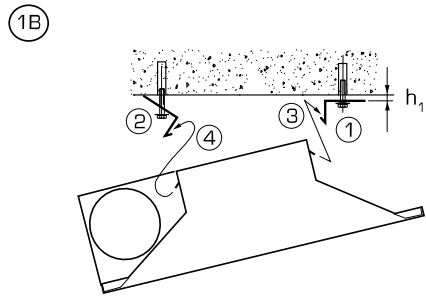
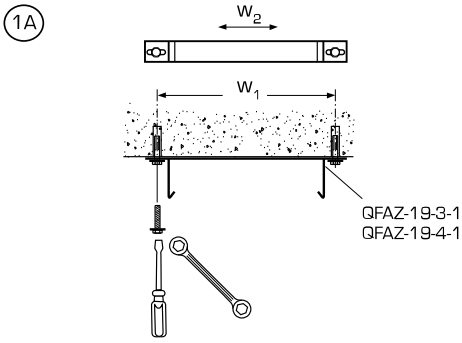
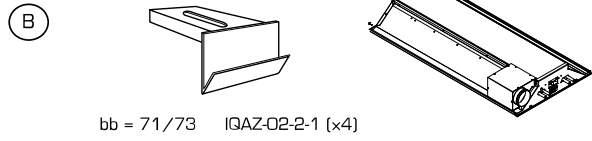
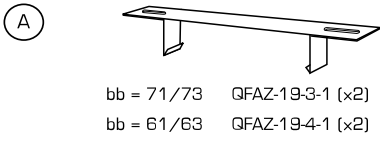
aaa (cm) = 120,180,240,300

bb = 11,13,22,44,81,82,83,84,90



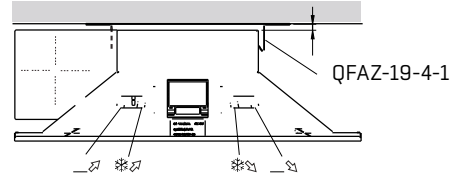
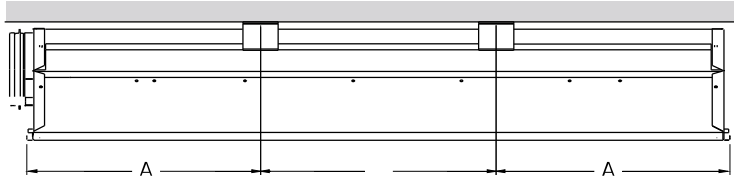
IQII-aaa-61/63/71/73-cc-d-e

aaa = 120 cm, 180 cm, 240 cm, 300 cm

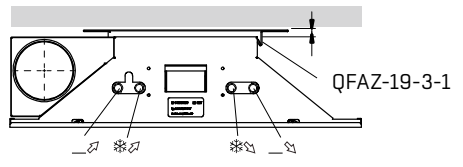
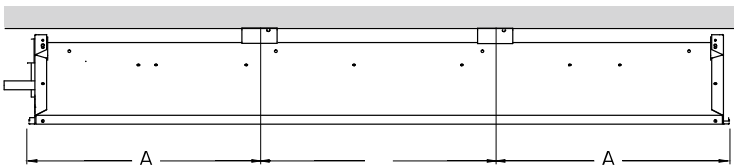


$w_1 = 315 \text{ mm}$ $w_3 = \pm 15 \text{ mm}$ $h_1 = 5 - 10 \text{ mm}$
 $w_2 = \pm 15 \text{ mm}$ $w_4 = \pm 20 \text{ mm}$ $h_2 = 10 \text{ mm}$

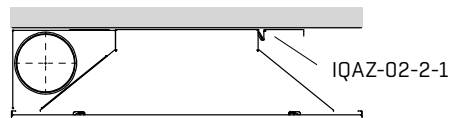
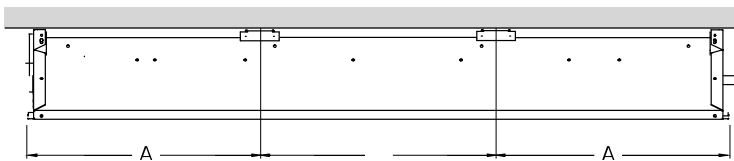
bb = 61



bb = 71



bb = 73

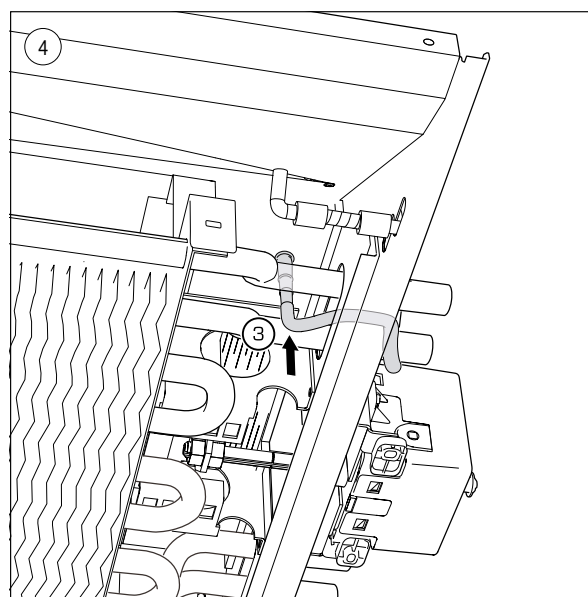
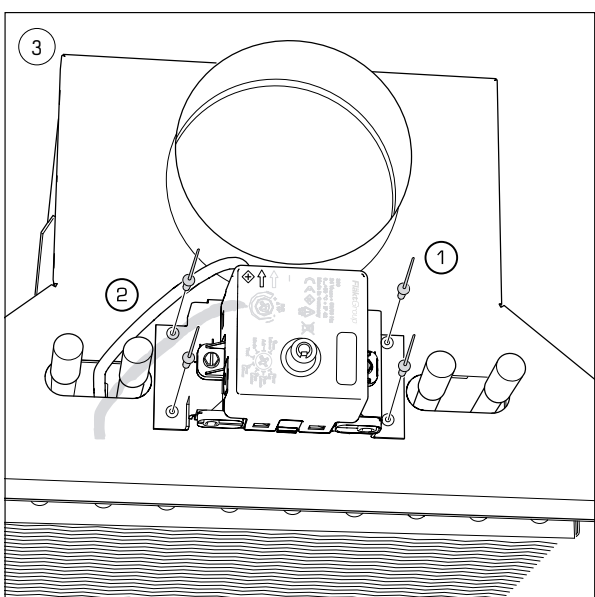
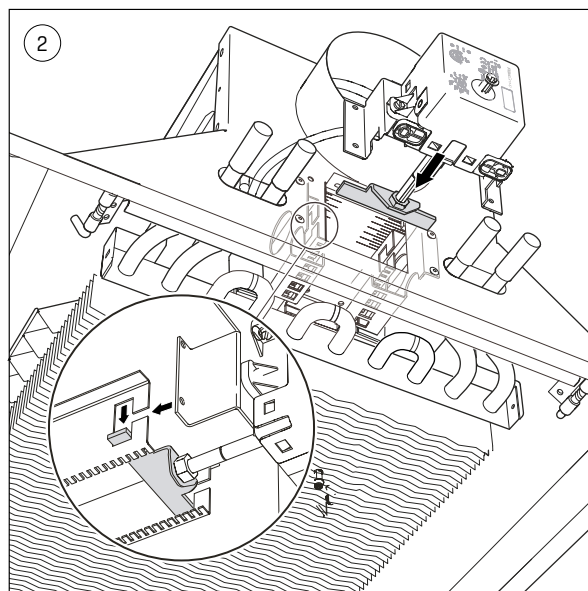
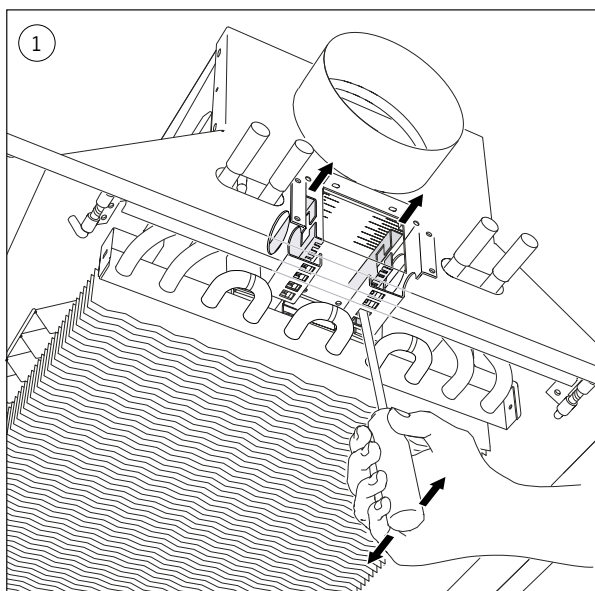
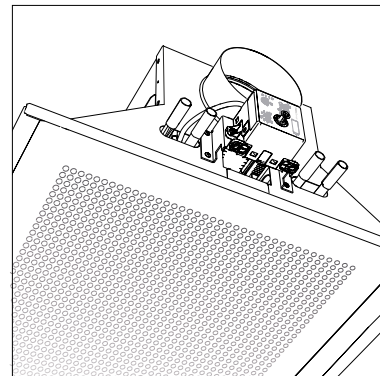


h = 10 mm

aaa (mm)	A (mm)	B (mm)
1200	400	400
1800	400	800
2400	600	1200
3000	600	1800

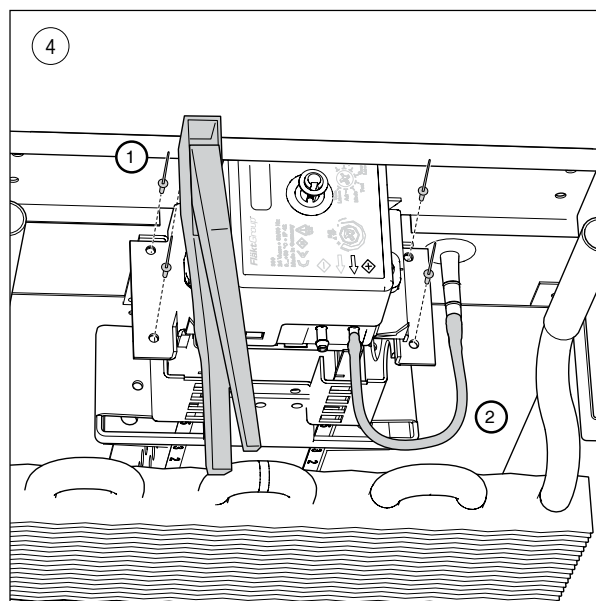
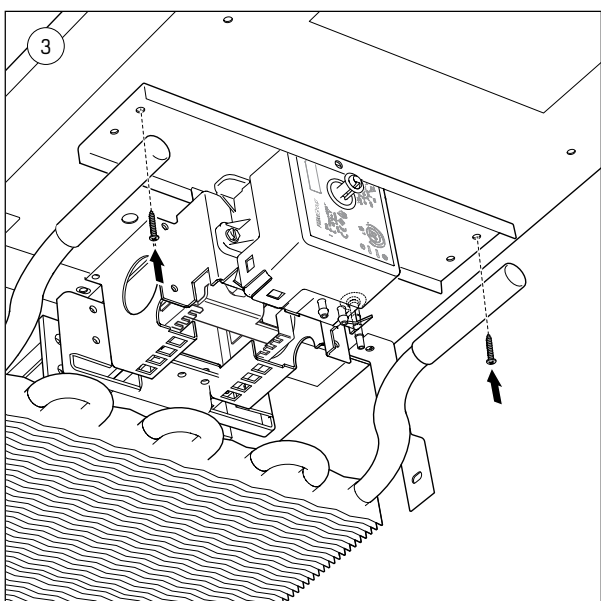
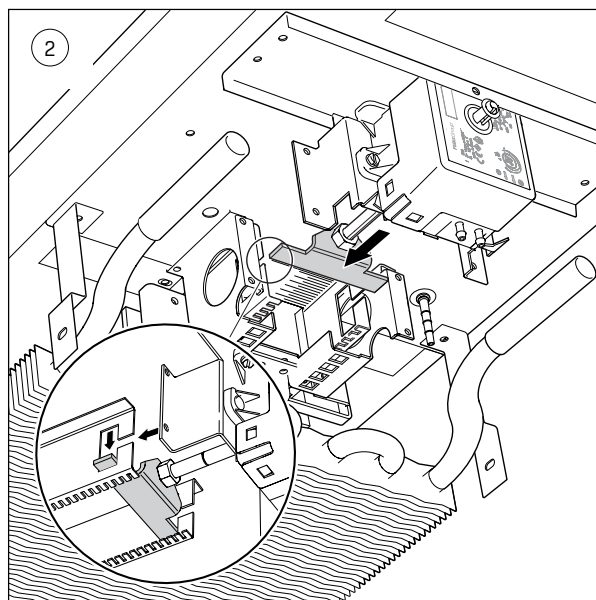
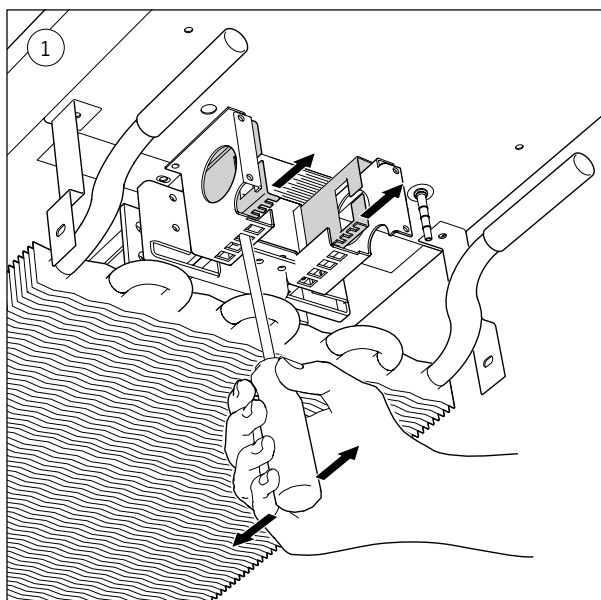
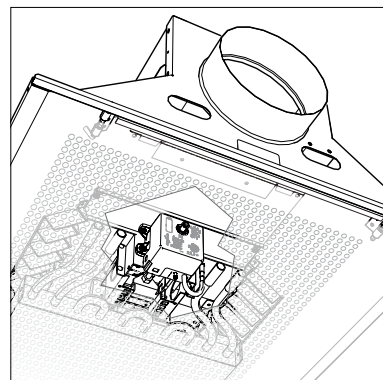
IQAZ-35-01-1-1-2

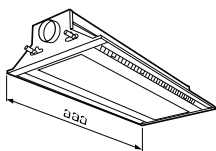
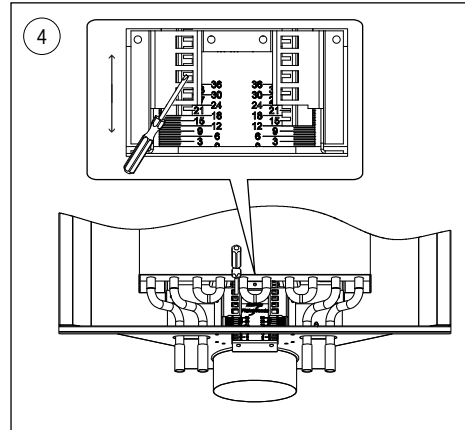
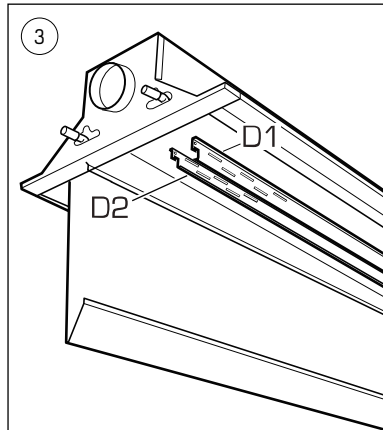
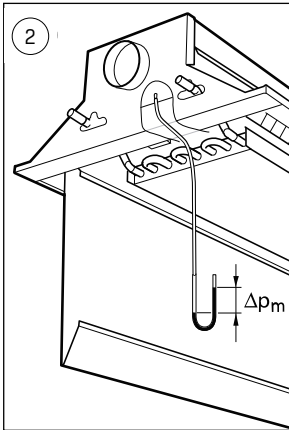
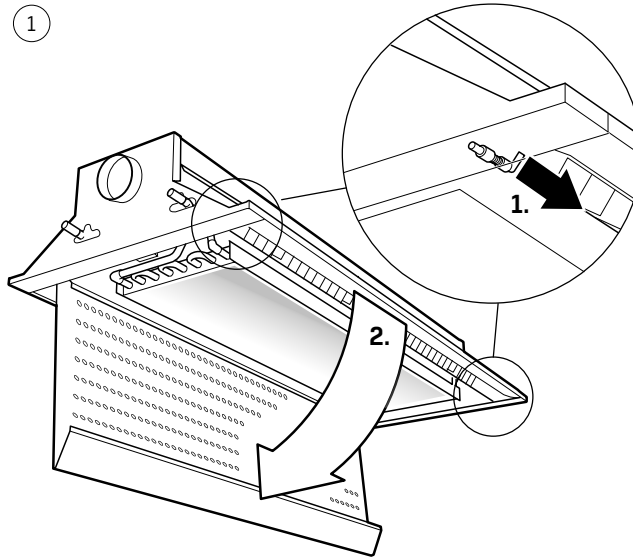
- GB** RETROFIT OF EXTERNAL DAMPER MOTOR
- SE** INSTALLATION I EFTERHAND AV EXTERN SPJÄLLMOTOR
- FI** ULKOISEN PELTIMOOTTORIN JÄLKIASENNUS
- DK** EFTERMONTERING AF EKSTERN SPJÆLDMOTOR
- DE** NACHRÜSTEN EINES EXTERNEN KLAPPENMOTORS
- NL** RETROFIT VAN EXTERNE DEMPERMOTOR
- FR** MONTAGE À POSTERIORI DU SERVOMOTEUR DE REGISTRE EXTERNE
- IT** INSTALLAZIONE SUCCESSIVA DEL MOTORE PER SERRANDA ESTERNO
- PL** REGENERACJA ZEWNĘTRZNEGO SILNIKA PRZEPUSTNICY
- CZ** RETROFITOVÁNÍ EXTERNÍHO MOTORU KLAPKY
- RU** ЗАМЕНА ВНЕШНЕГО ЭЛЕКТРОДВИГАТЕЛЯ КЛАПАНА
- LT** ĀRĒJĀ SLĀPĒTĀJA MOTORA MODERNIZĀCIJA
- LV** IŠORINIO SKLENDĒS VALDIKLIO PAKEITIMAS



IQAZ-35-02-1-1-2

- GB RETROFIT OF INTERNAL DAMPER MOTOR
- SE INSTALLATION I EFTERHAND AV INTERN SPJÄLLMOTOR
- FI SISÄISEN PELTIMOOTTORIN JÄLKIASENNUS
- DK EFTERMONTERING AF INTERN SPJÆLDMOTOR
- DE NACHRÜSTEN EINES INTERNEN KLAPPENMOTORS
- NL RETROFIT VAN INTERNE DEMPERMOTOR
- FR MONTAGE À POSTERIORI DU SERVOMOTEUR DE REGISTRE INTERNE
- IT INSTALLAZIONE SUCCESSIVA DEL MOTORE PER SERRANDA INTERNO
- PL REGENERACJA WEWNĘTRZNEGO SILNIKA PRZEPUSTNICY
- CZ RETROFIT VNITŘNÍHO KLAPKOVÉHO MOTORU
- RU ЗАМЕНА ВНУТРЕННЕГО ЭЛЕКТРОДВИГАТЕЛЯ КЛАПАНА
- LT IEKŠĒJĀ SLĀPĒTĀJA MOTORA MODERNIZĀCIJA
- LV VIDINIO SKLENDĒS VALDIKLIO PAKEITIMAS



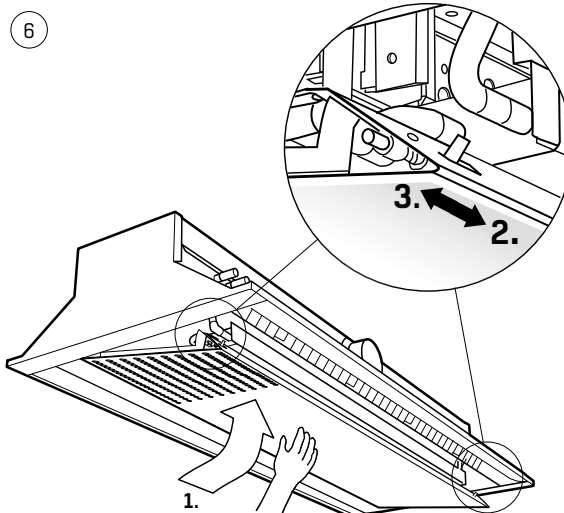


5 **D1 = D2**

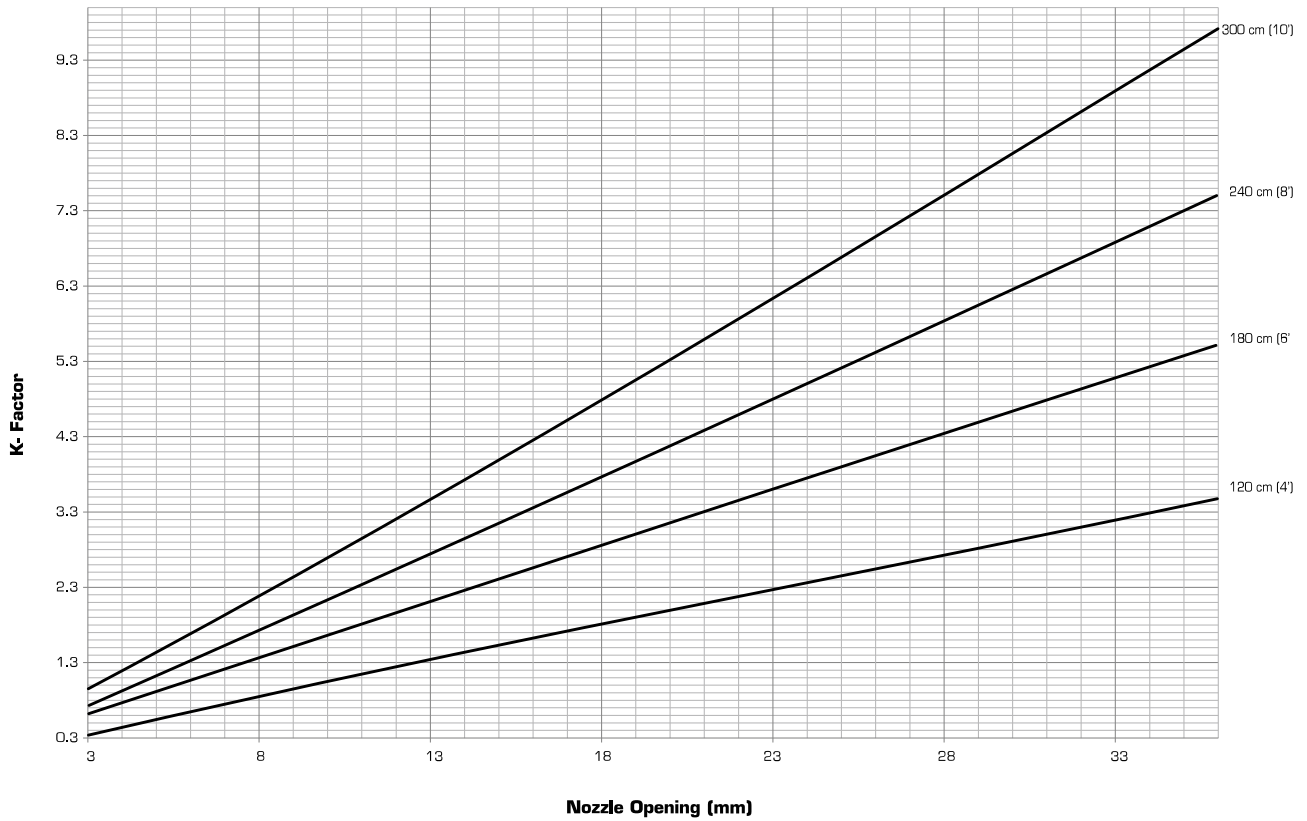
$q = k \sqrt{\Delta p_m}$	$q = 3.6k \sqrt{\Delta p_m}$
(l/s) (Pa)	(m³/h) (Pa)

5 **D1 ≠ D2**

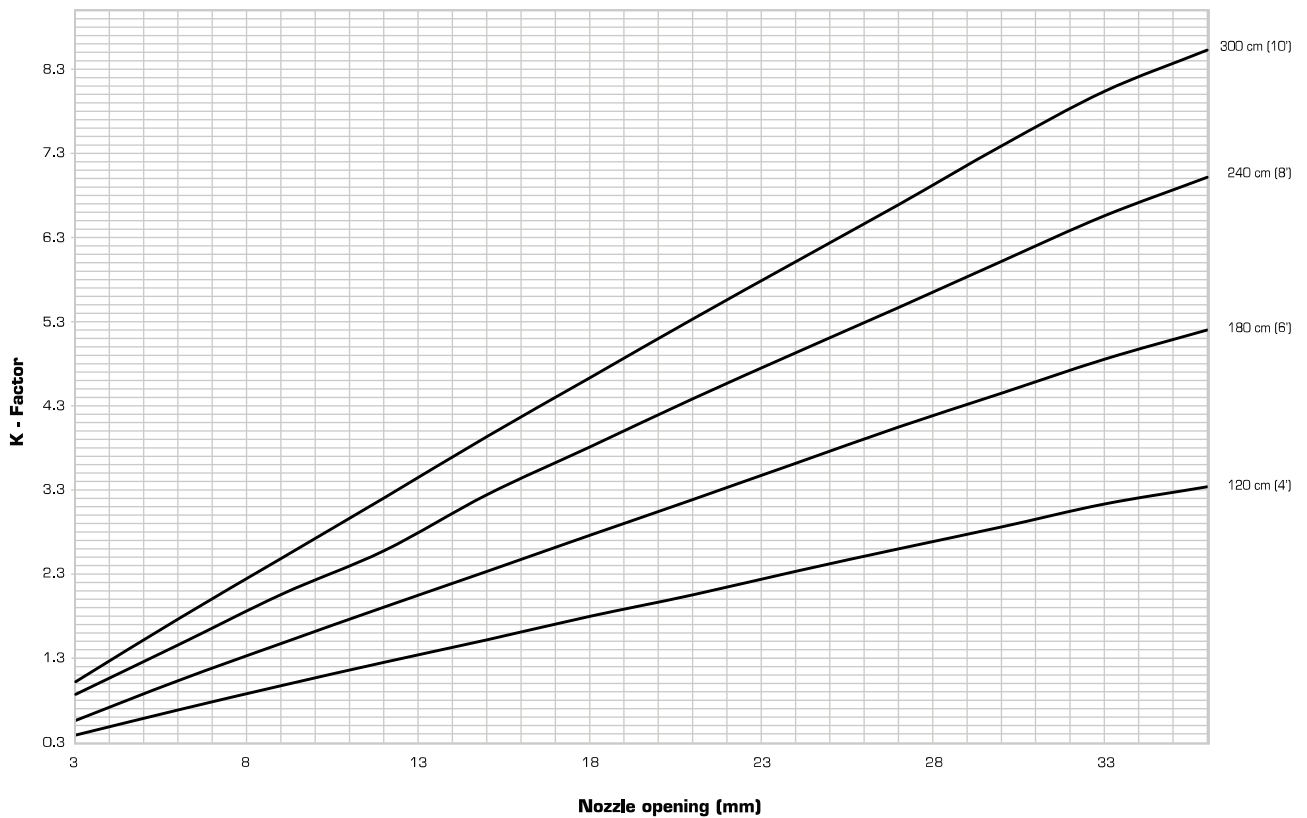
$q = \left(\frac{k_{D1}}{2} + \frac{k_{D2}}{2} \right) \sqrt{\Delta p_m}$	$q = 3.6 \left(\frac{k_{D1}}{2} + \frac{k_{D2}}{2} \right) \sqrt{\Delta p_m}$
(l/s) (Pa)	(m³/h) (Pa)



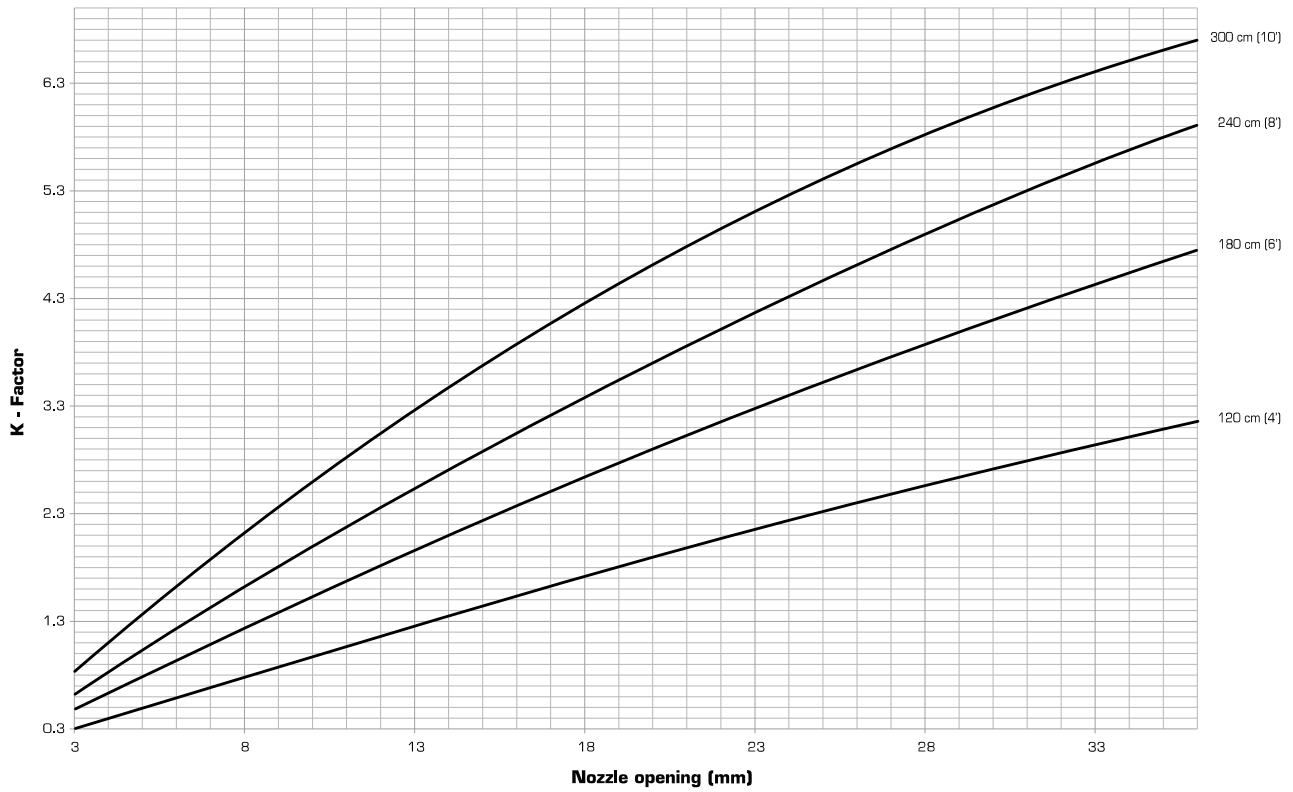
IQII-aaa-11/13/22/44/90-cc-d-e, (Ø125 mm, h = 250 mm)



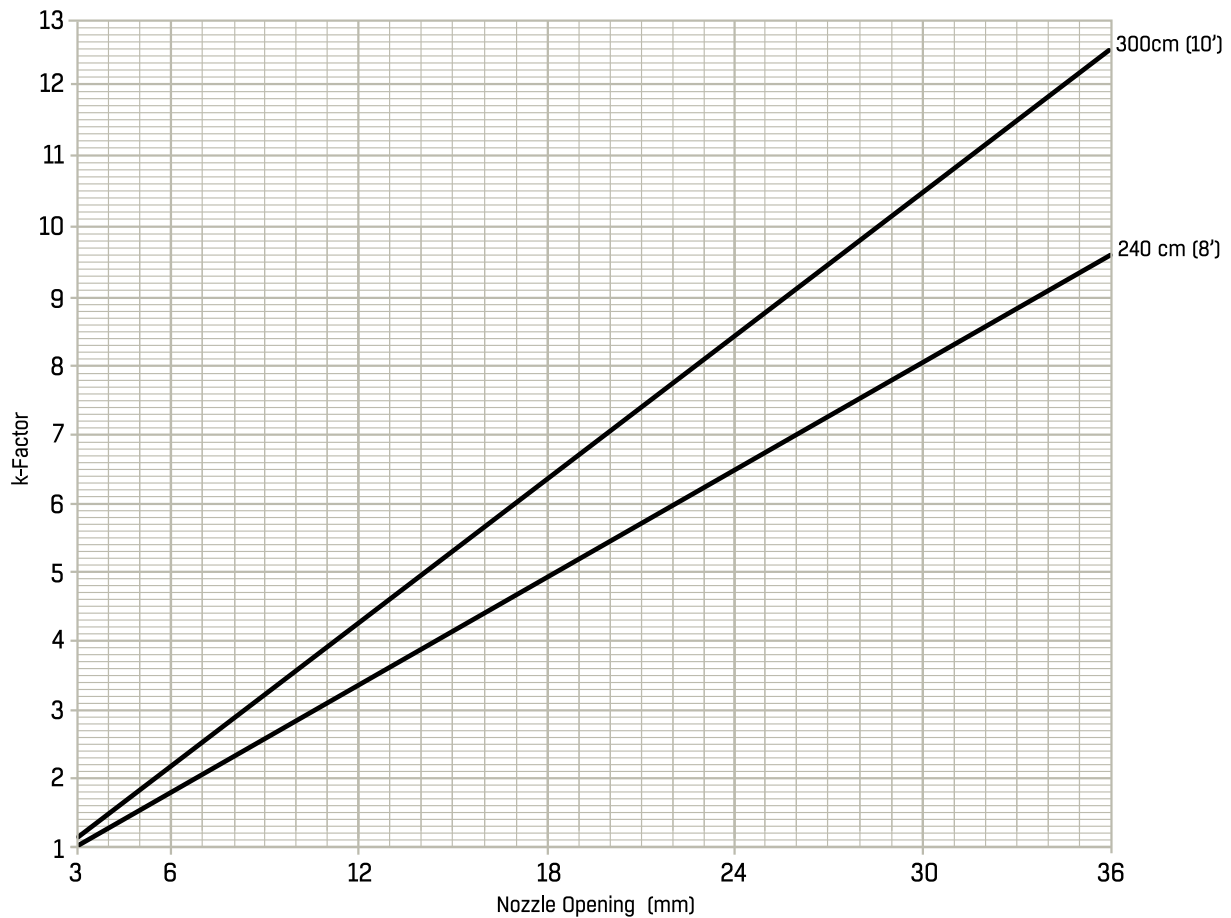
IQII-aaa-61/63-cc-d-e, (Ø125 mm, h = 190 mm)



IQII-aaa-71/73-cc-d-e, (Ø100 mm, h = 152 mm)



IQII-aaa-81/82/83/84-cc-d-e (Ø160 mm, h = 250 mm)





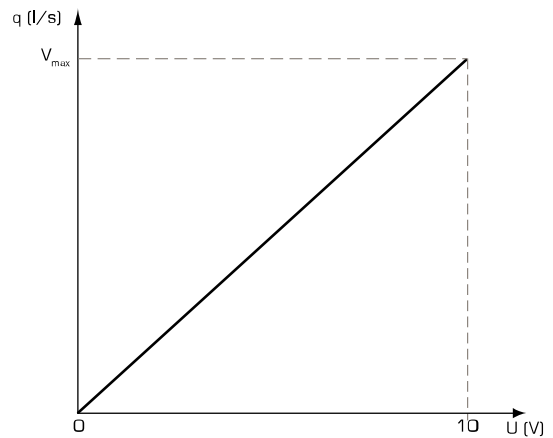
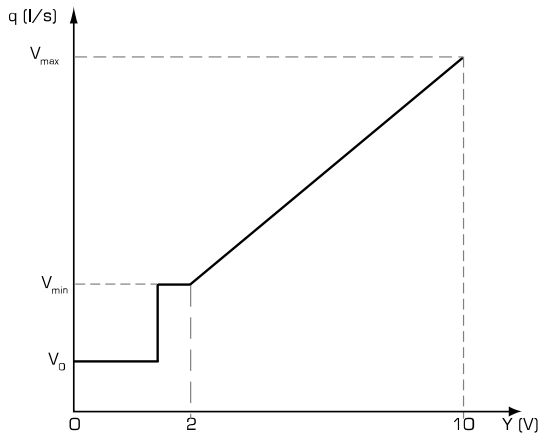
309VM-024-150-MB-003
150 N
3,0 W (1,0 W) • 5,0 VA
12,5 mm/min • 36 mm
150 Pa • max.100 kPa

1	2	3	4	A	B
BU	BN	BK	GY	WH	WH
		▲	▼		
⊥	~	Y	U		
-	+				

XXXXXXXX • XX • 15/11
Serial nr. Software version YY/MM

Table 1: Wiring

1	2	3	4	a	b
24 VAC (⊥) 24 VDC (-)	24 VAC (-) 24 VDC (+)	0...10 V	0...10 V	Modbus	
Operating Voltage		Control signal (Y)	Feedback signal (U)		
blue (BU)	brown (BN)	black (BK)	grey (GY)		

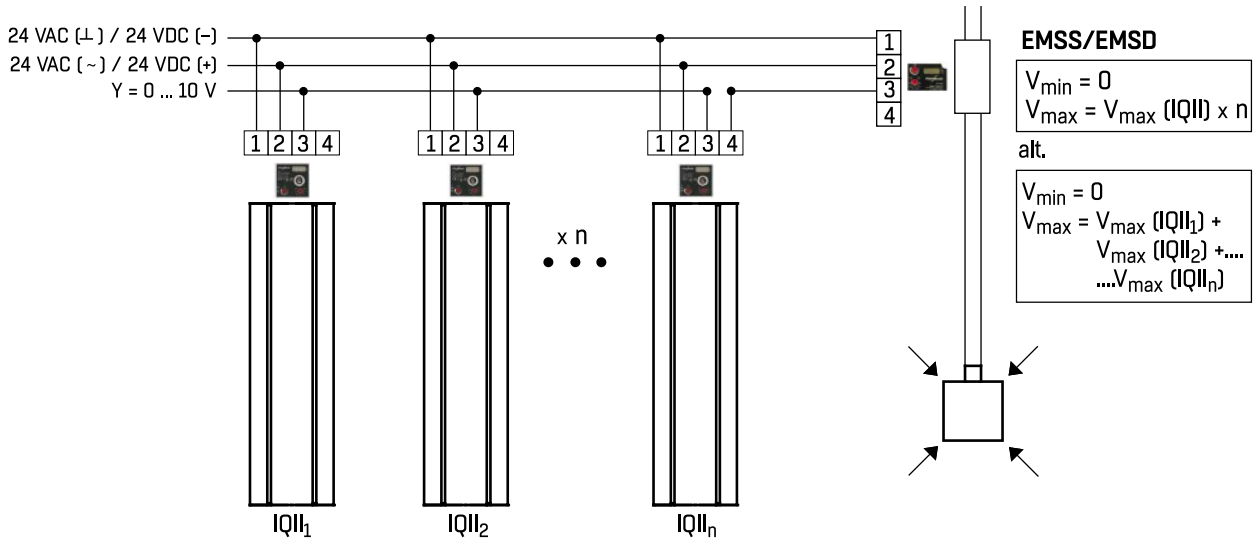
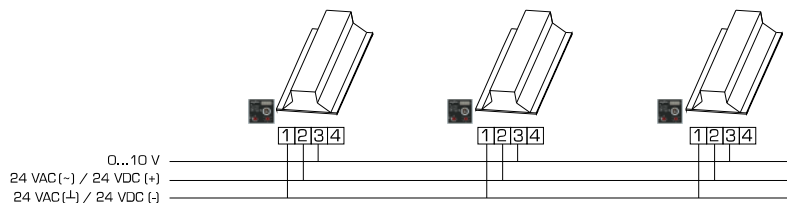


$$q_{act} = V_{min} + \frac{Y - 2}{8} \times (V_{max} - V_{min})$$

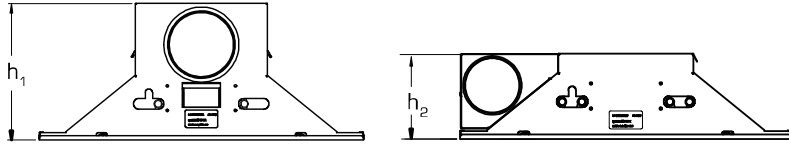
(l/s) (l/s)

$$U = 0 - 10 \quad (0 V = 0 l/s, 10 V = V_{max})$$

(VDC)

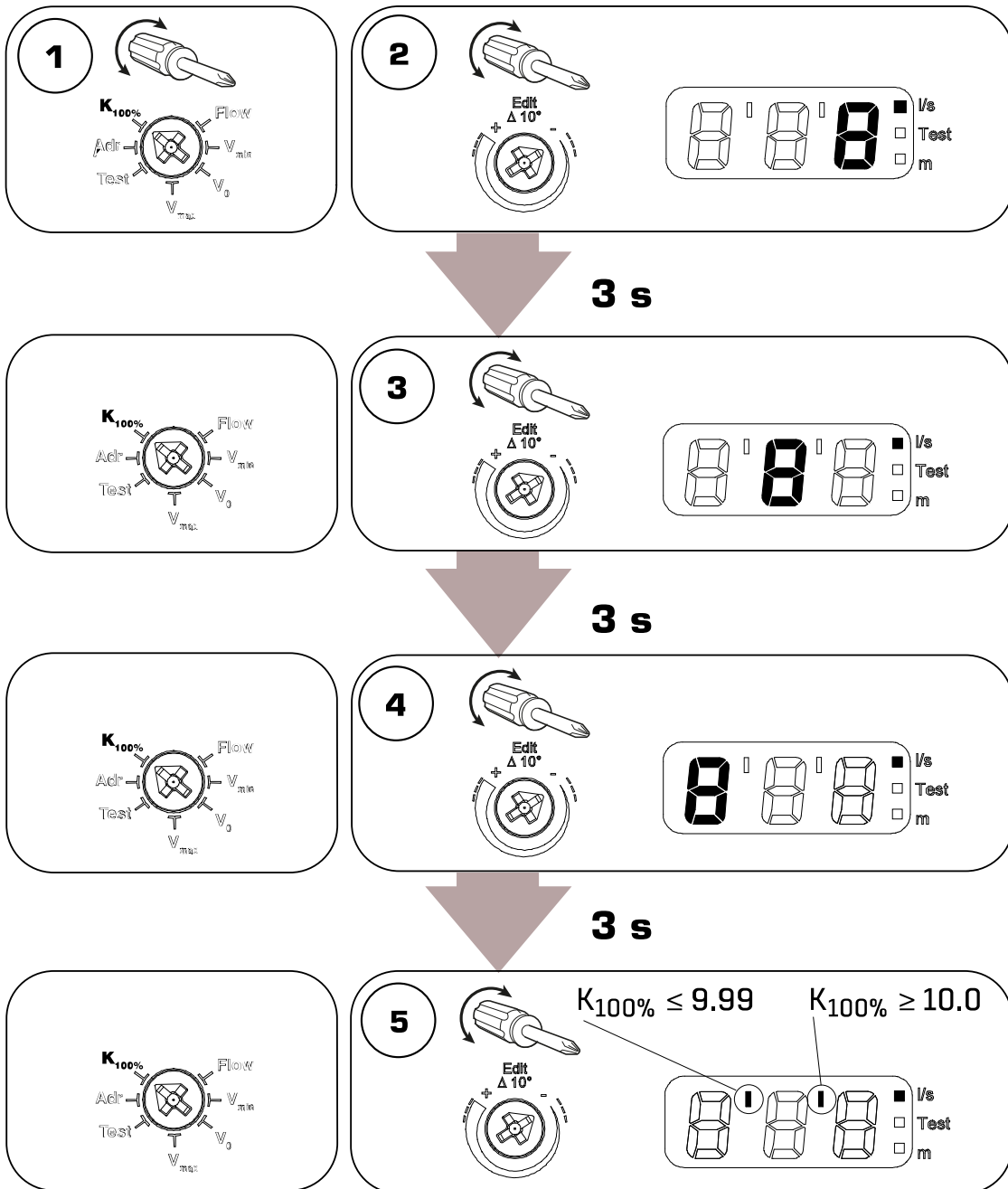


K_{100%}

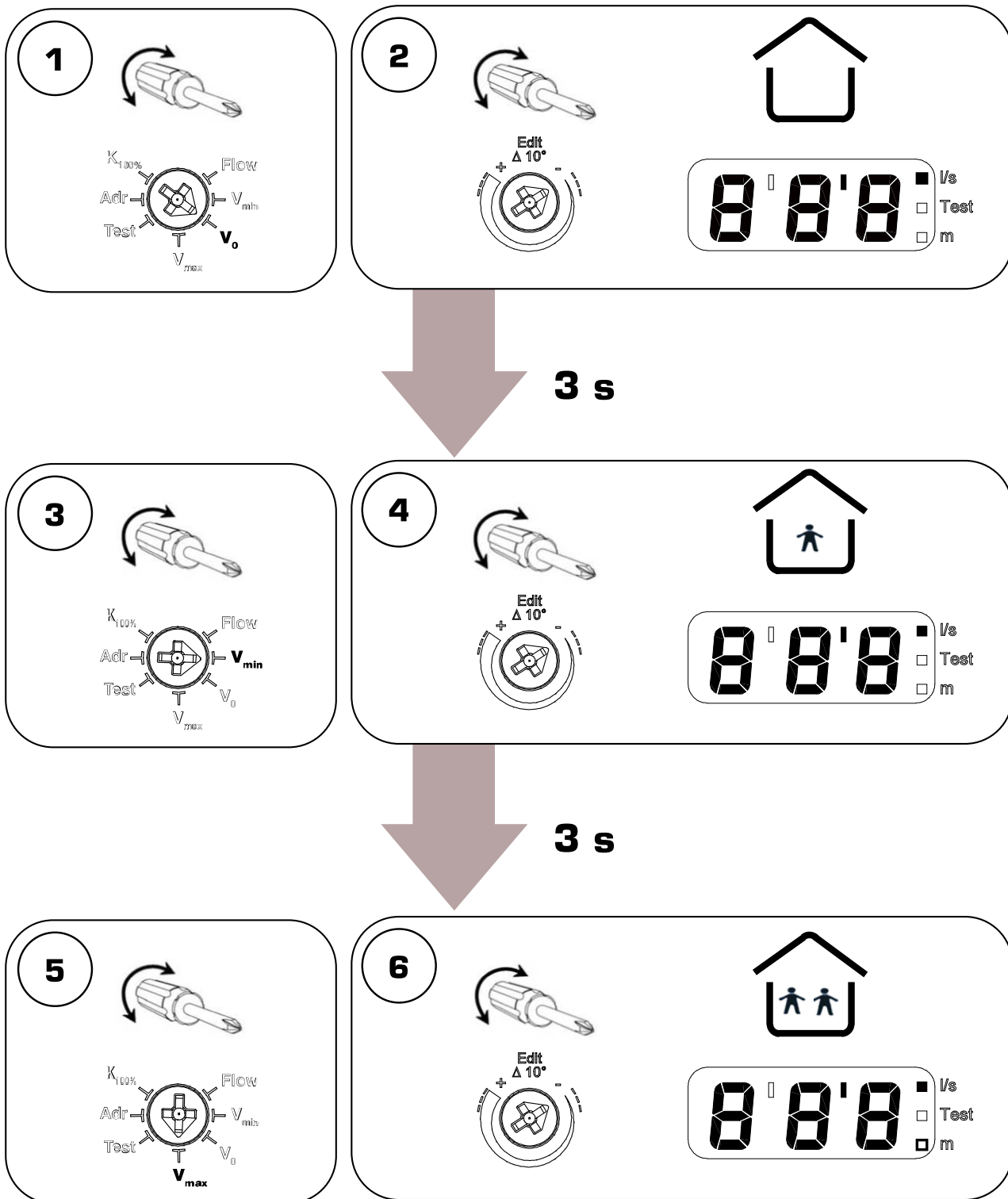


aaa (mm)	h (mm)	K _{100%}
1200	h ₁ = 250	3.6
1800	h ₁ = 250	5.7
2400	h ₁ = 250	7.5
3000	h ₁ = 250	9.7
1200	h ₂ = 190	3.5
1800	h ₂ = 190	5.4
2400	h ₂ = 190	7.3

aaa (mm)	h (mm)	K _{100%}
3000	h ₂ = 190	9.4
1200	h ₂ = 152	3.3
1840	h ₂ = 152	5.2
2400	h ₂ = 152	6.8
3000	h ₂ = 152	8.9
2400 X-flow	h ₁ = 250 (Ø 160)	9.6
3000 X-flow	h ₁ = 250 (Ø 160)	12.6

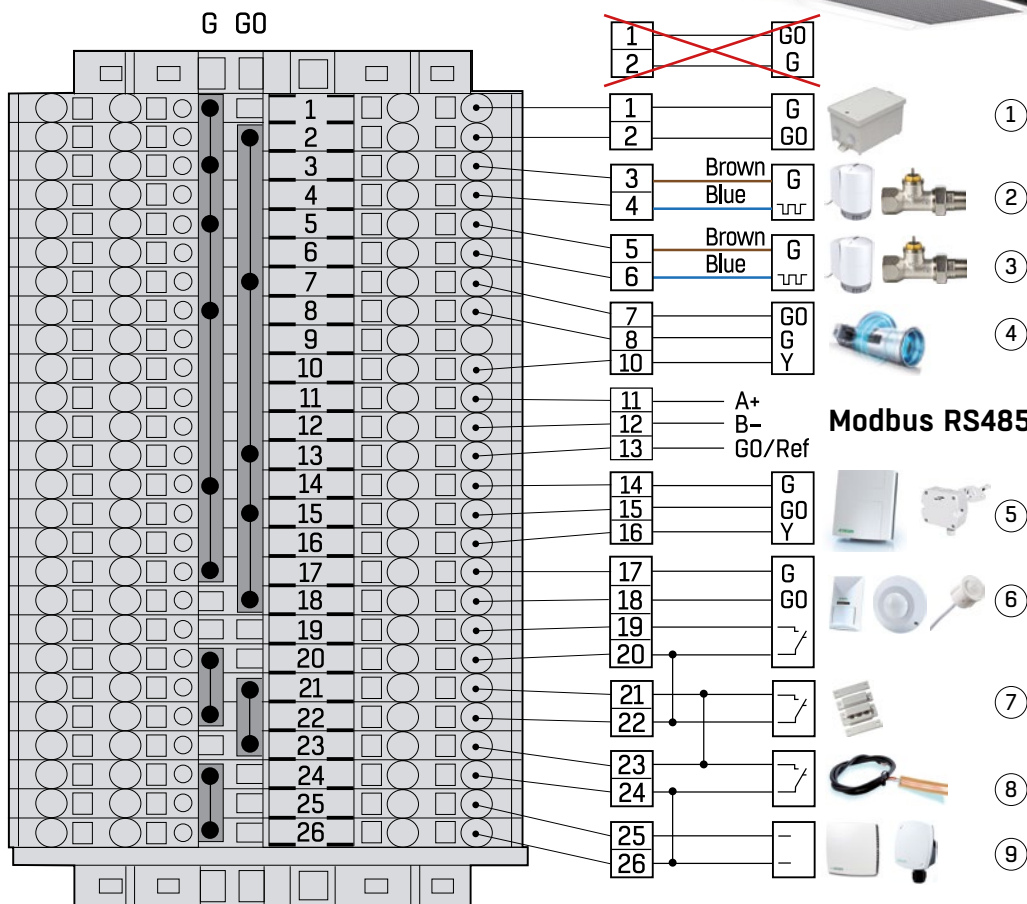


V_0 , V_{MAX} & V_{MIN}



STRZ-76

MASTER BEAM

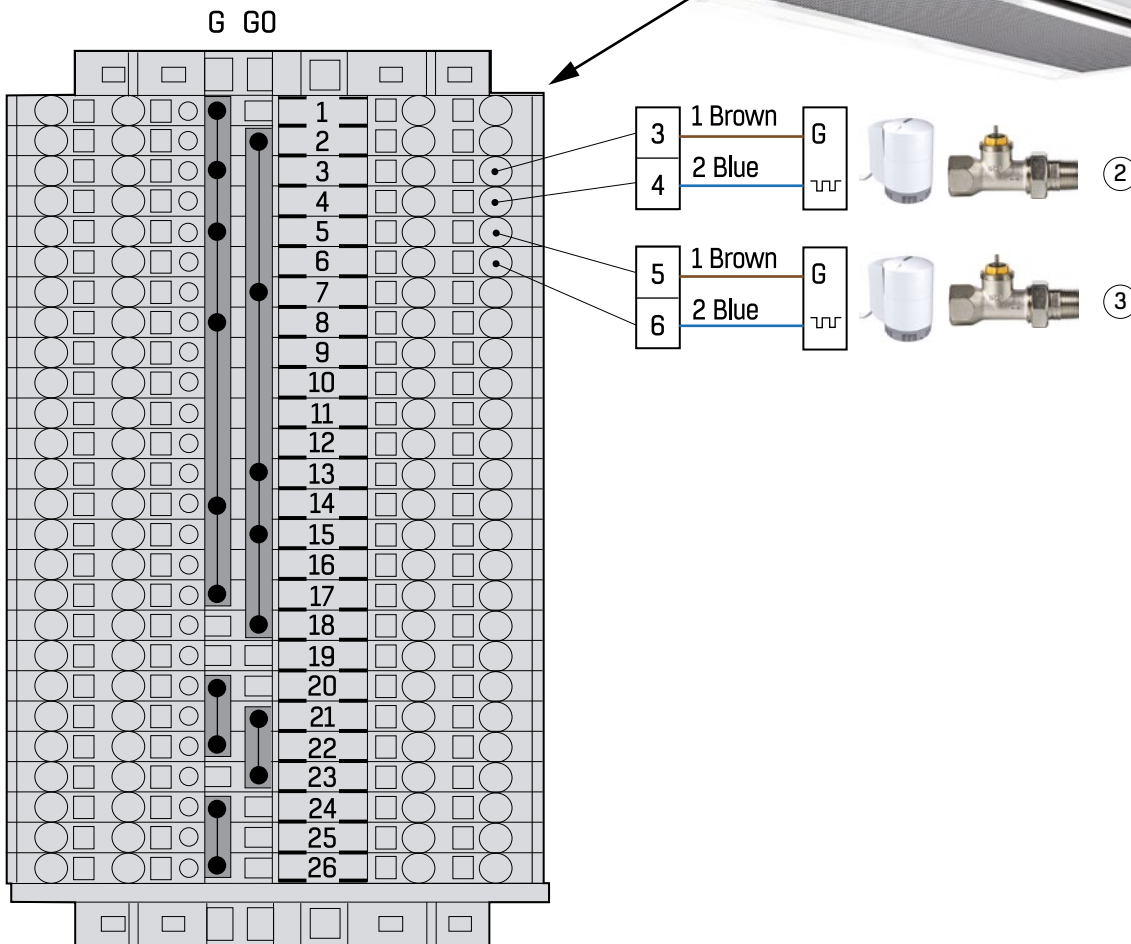


Modbus RS485

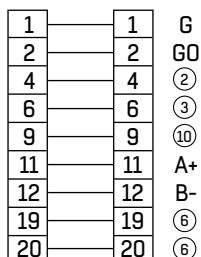
	1	2	3	4	5	6	7	8	9
GB	Transformer	Actuator heating	Actuator cooling	Exhaust actuator	CO ₂ sensor	PIR-sensor	Window sensor	Condense sensor	Temperature sensor
NL	Transformator	Actuator verwarming	Actuatorekoeling	Exhaust actuator	CO ₂ sensor	PIR-sensor	Raamsensor	Condensatiesensor	Temperatuursensor

STRZ-76

SLAVE BEAM



Slave → Slave beam
 Master → Slave beam



10

- BB Supply air actuator
- SE Tilluftsställdon
- FI Tuloilman toimilaite
- DK Tilluftaktuator
- DE Zuluftstellglied
- NL Toevoerluchtaandrijving
- FR Servomoteur air neuf

10

- IT Attuatore dell'aria di mandata
- PL Siłownik pow. wlot.
- CZ Pohón pŕívodního vzduchu
- RU Привод приточного воздуха
- LT Tiekiamo oro pavara
- LV Tiekimo oro paleidklis

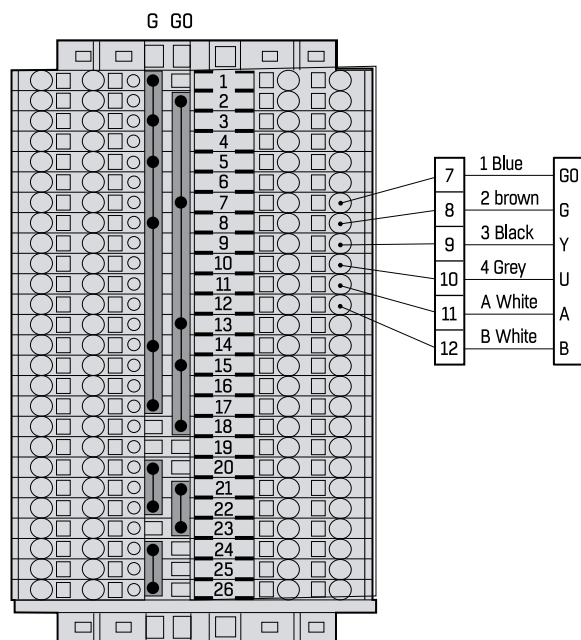
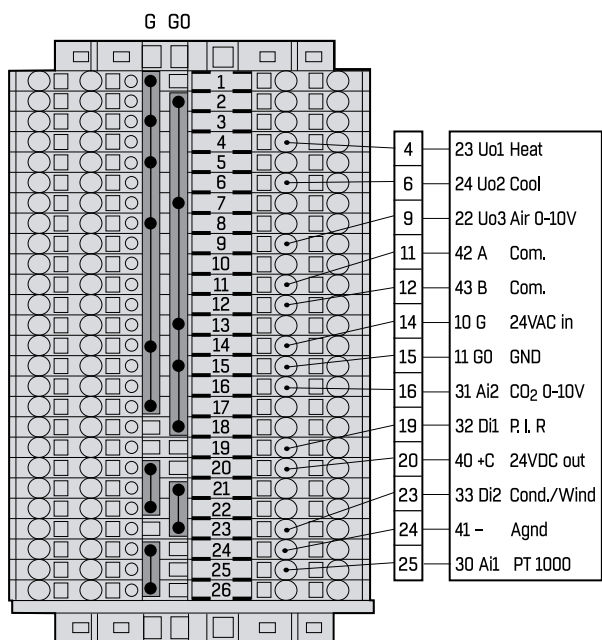
STRZ-76



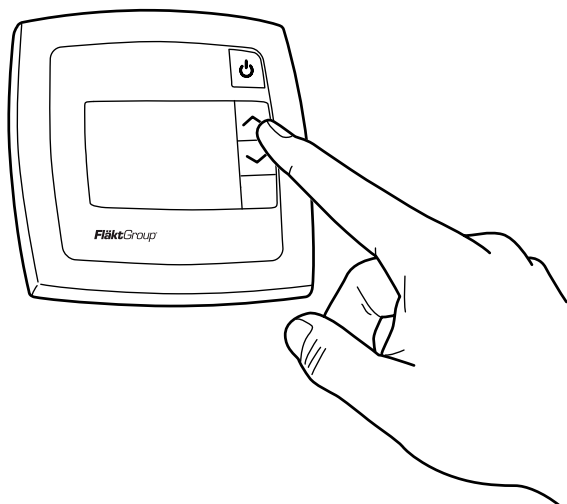
Control unit STRA



PI actuator



STRZ-76



STRZ-76-02-cc-d-ee

Parameter 15 = 1

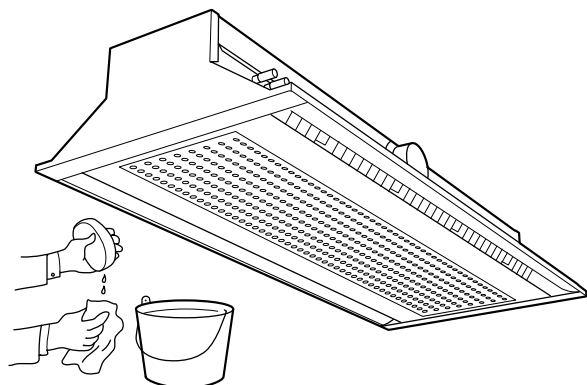
STRZ-76-bb-02/04/06/08-d-ee

Parameter 18 = 2

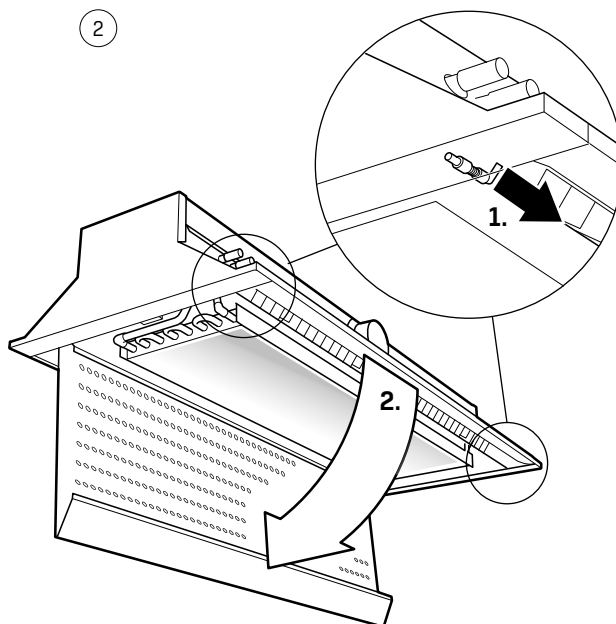
STRZ-76-bb-03/04/07/08

Parameter 45 = 1, Parameter 17 = 3

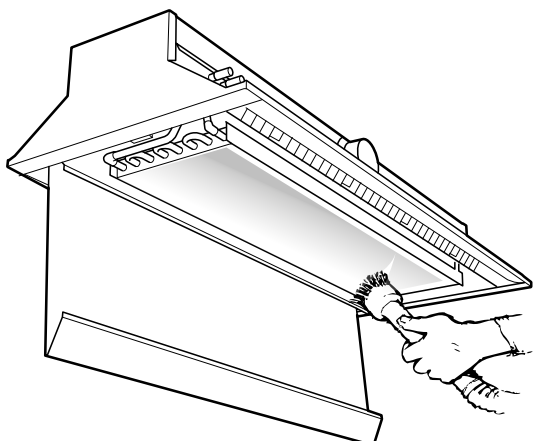
1



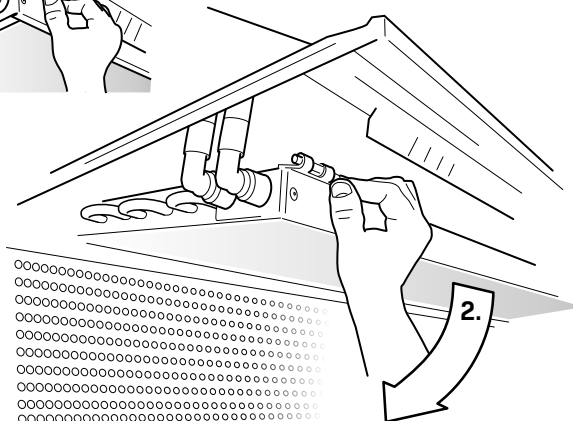
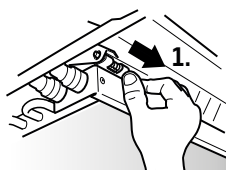
2



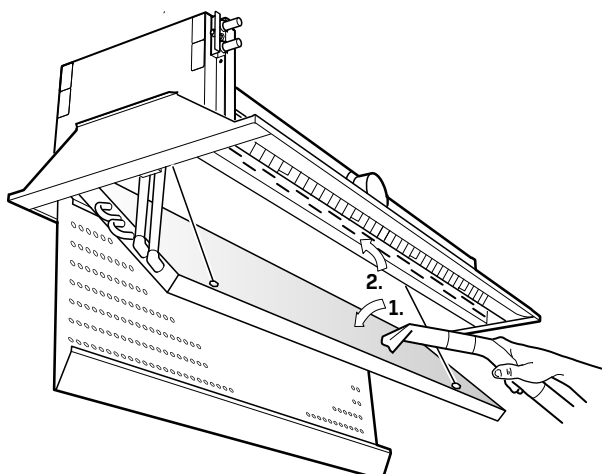
3



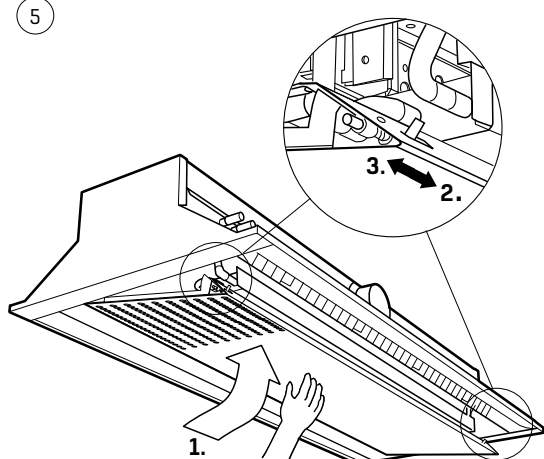
4a **WEGA II Hygiene (bb = 90)**

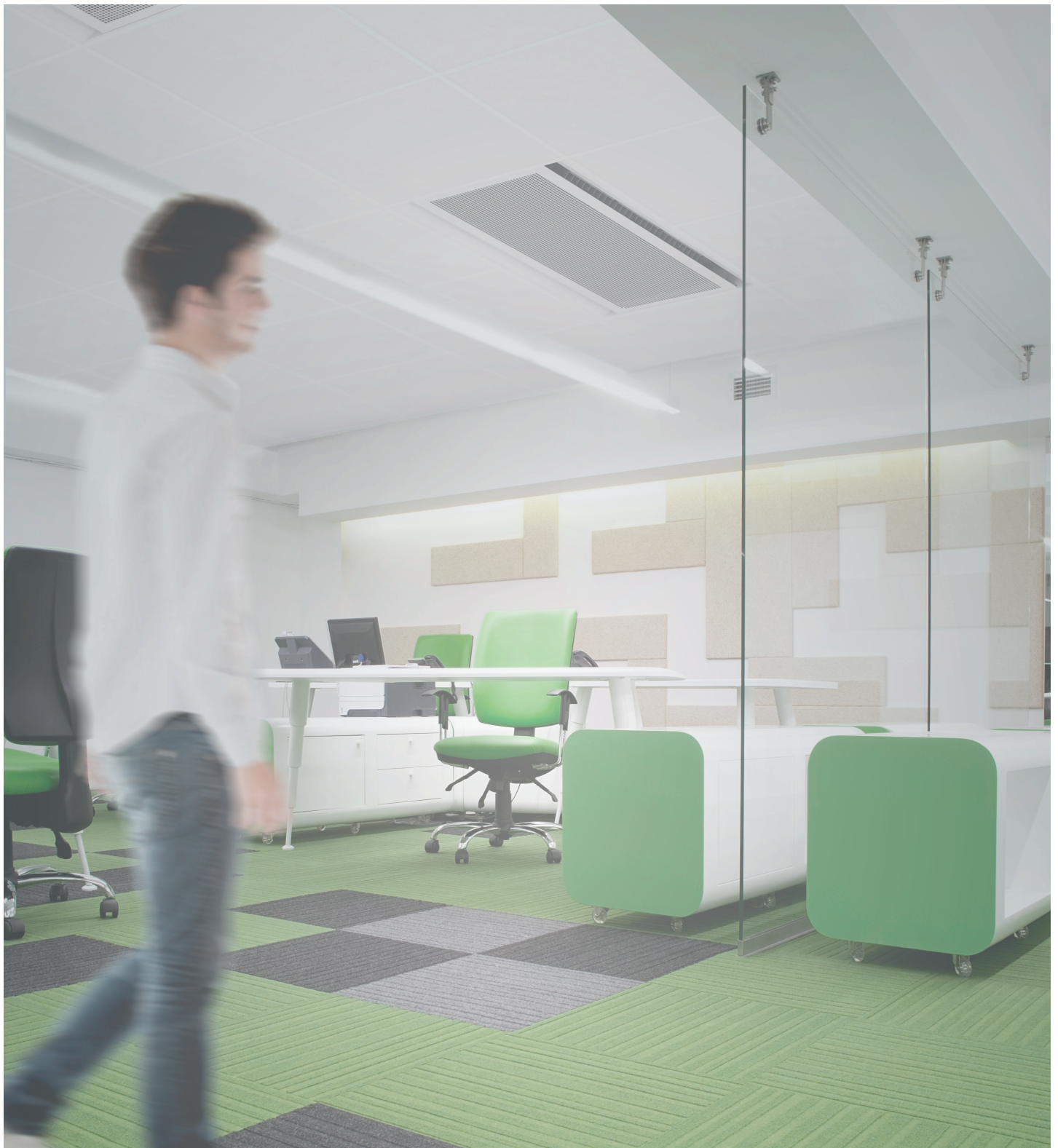


4b **WEGA II Hygiene (bb = 90)**



5





CONTACTGEGEVENS

INATHERM

TIELENSTRAAT 17
5145 RC WAALWIJK

T +31 (0)416 317 830
E INATHERM@HCGROEP.COM
I WWW.INATHERM.NL

