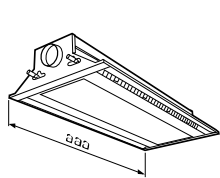
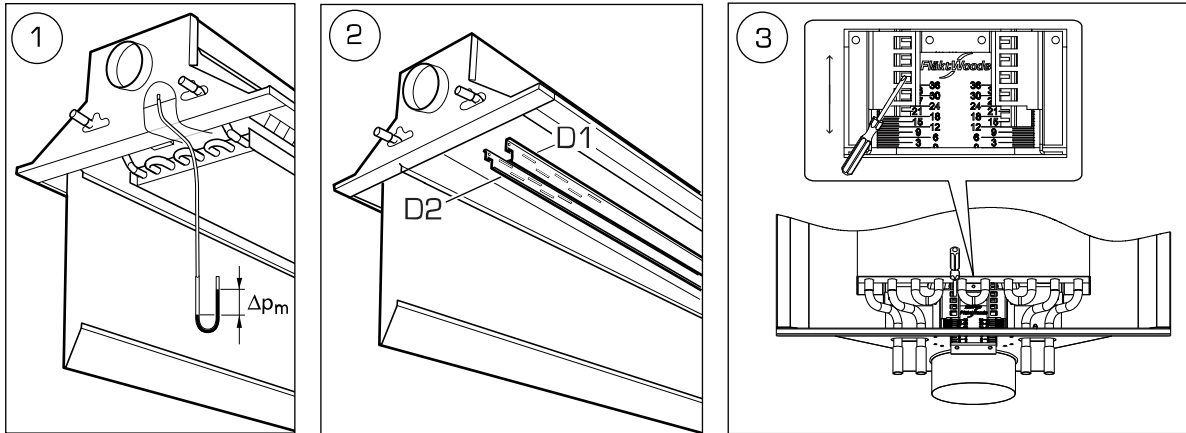




## IQII-aaa-bb-cc-d-e

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



4 **D1 = D2**

$$q = k \sqrt{\Delta p_m}$$

(l/s) (Pa)

$$q = 3.6k \sqrt{\Delta p_m}$$

(m<sup>3</sup>/h) (Pa)

4 **D1 ≠ D2**

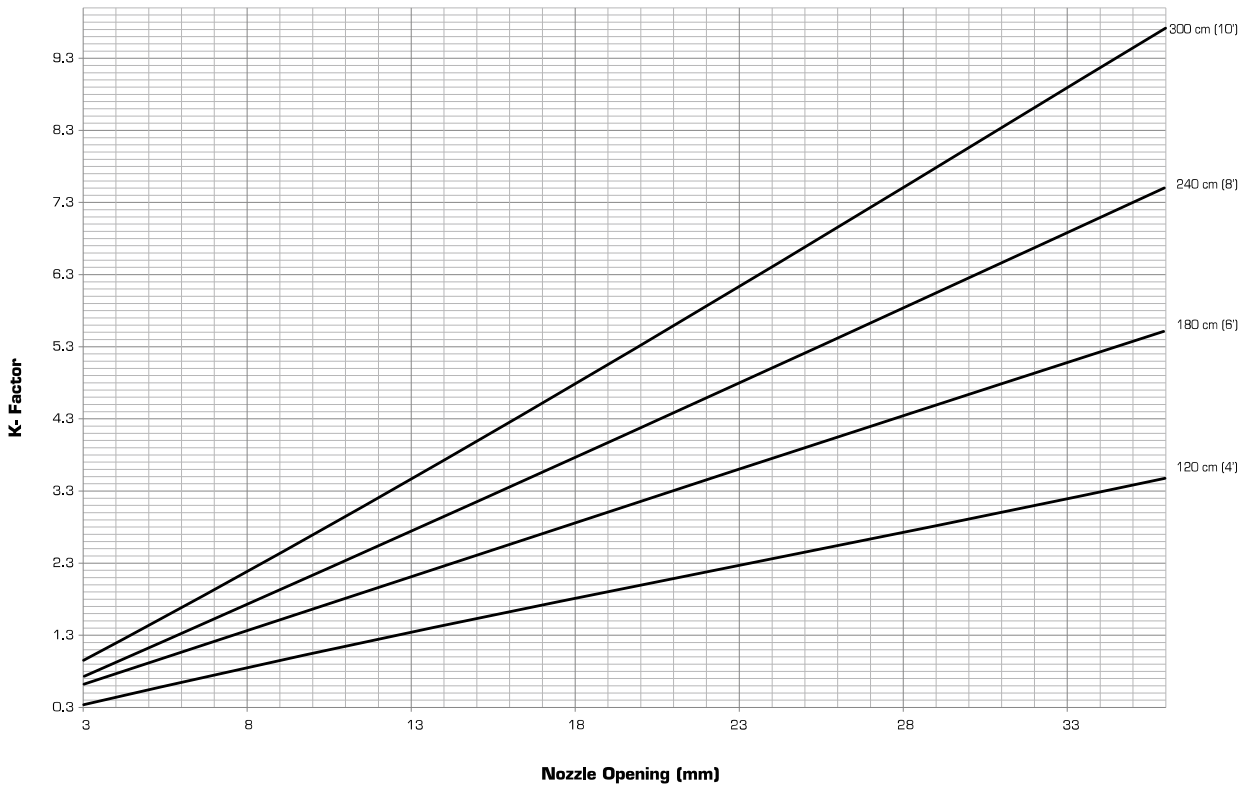
$$q = \left( \frac{k_{D1}}{2} + \frac{k_{D2}}{2} \right) \sqrt{\Delta p_m}$$

(l/s) (Pa)

$$q = 3.6 \left( \frac{k_{D1}}{2} + \frac{k_{D2}}{2} \right) \sqrt{\Delta p_m}$$

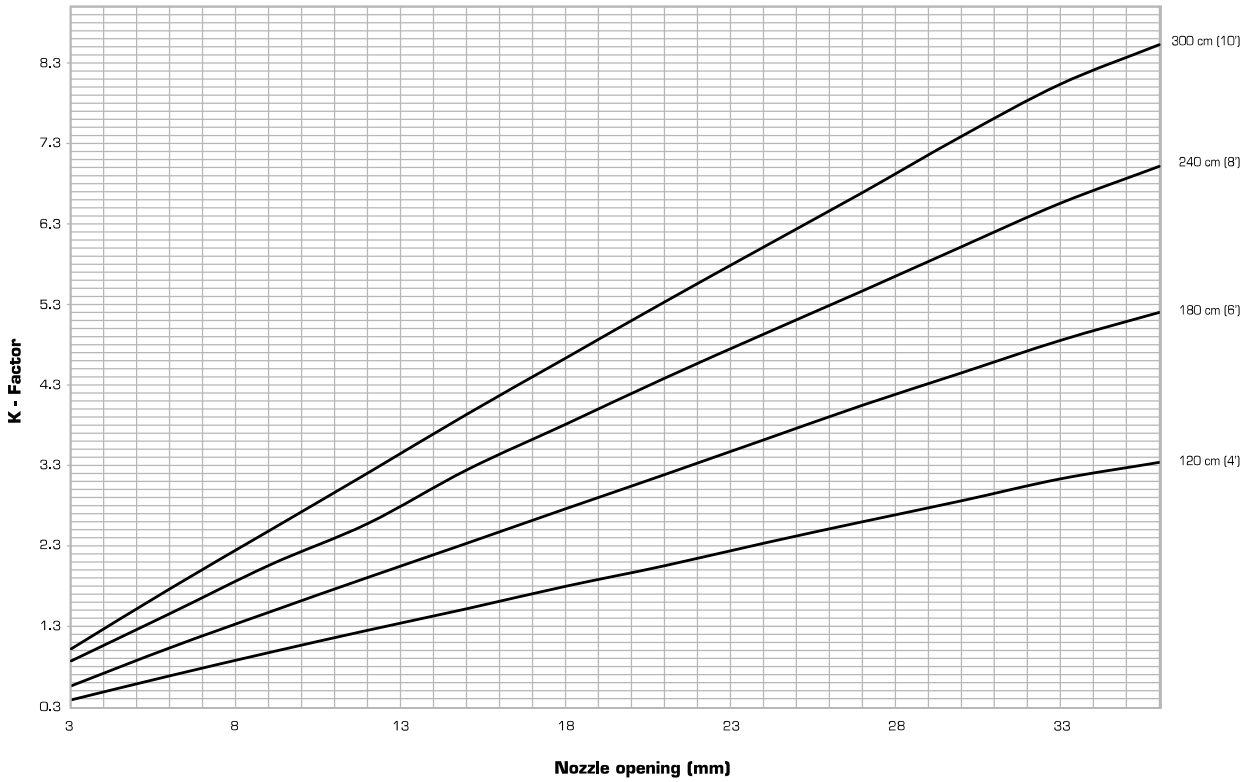
(m<sup>3</sup>/h) (Pa)

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

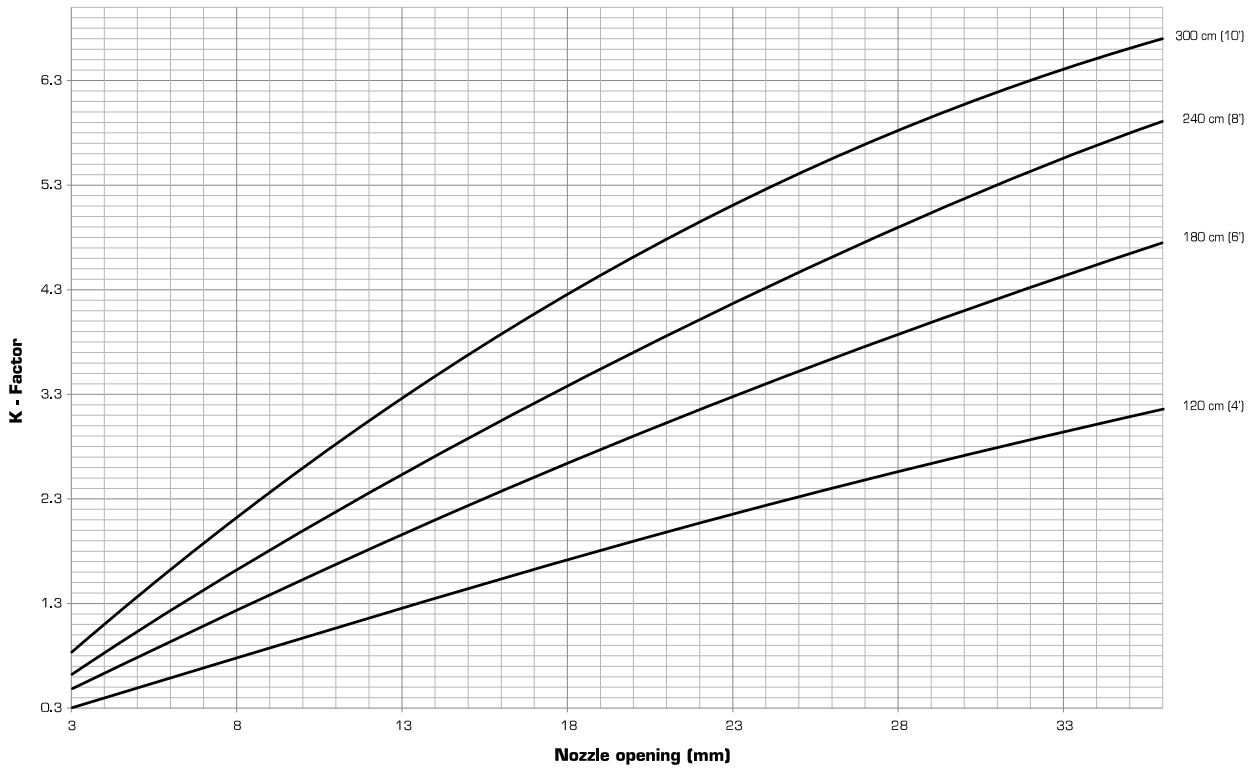




IQII-aaa-61/63-d-e, (Ø125 mm, h=190 mm)

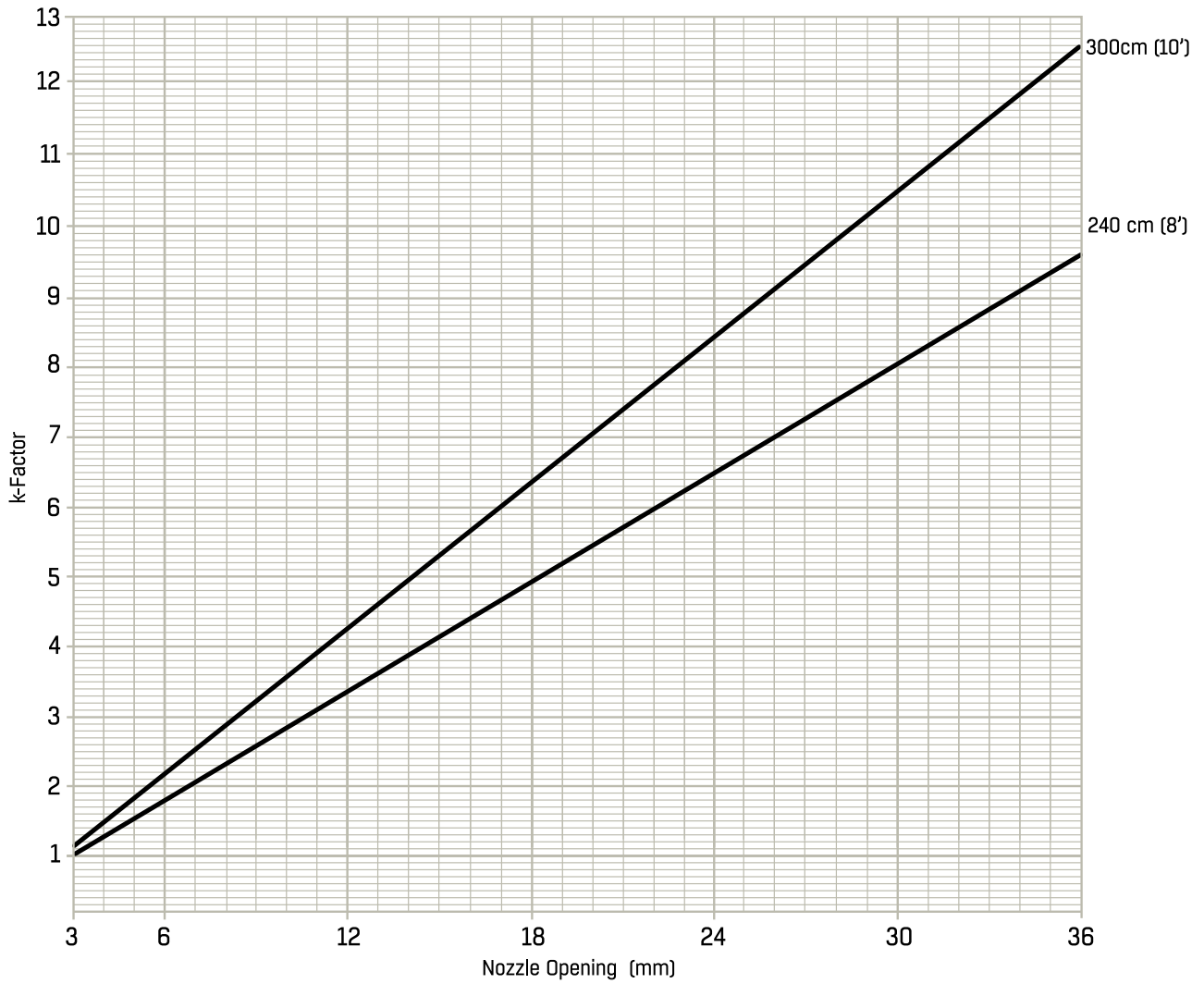


IQII-aaa-71/73-cc-d-e, (Ø100 mm, h=152 mm)





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





## Pi Function



**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**

Serial nr. Software version YY/MM

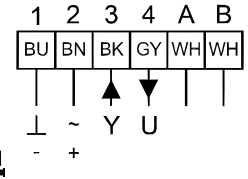
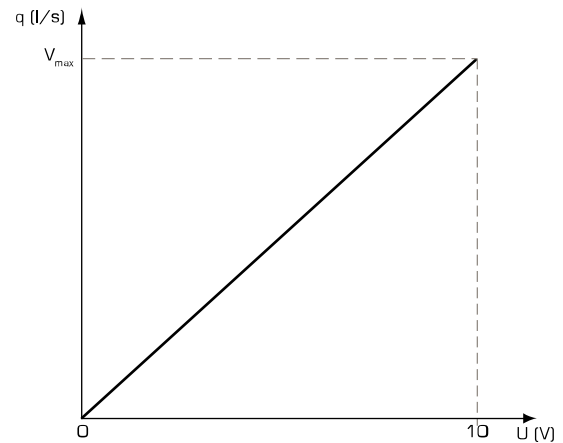
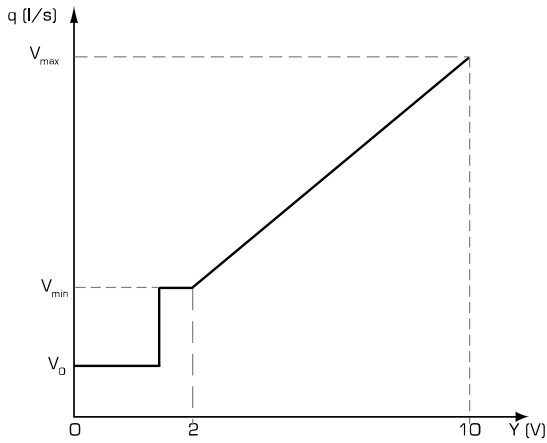


Table 1: Wiring

1	2	3	4	a	b
24 VAC (L) 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)		

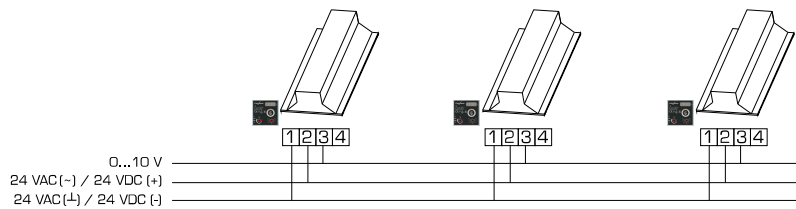


$$q_{act} = V_{min} + \frac{Y - 2}{8} \times (V_{max} - V_{min})$$

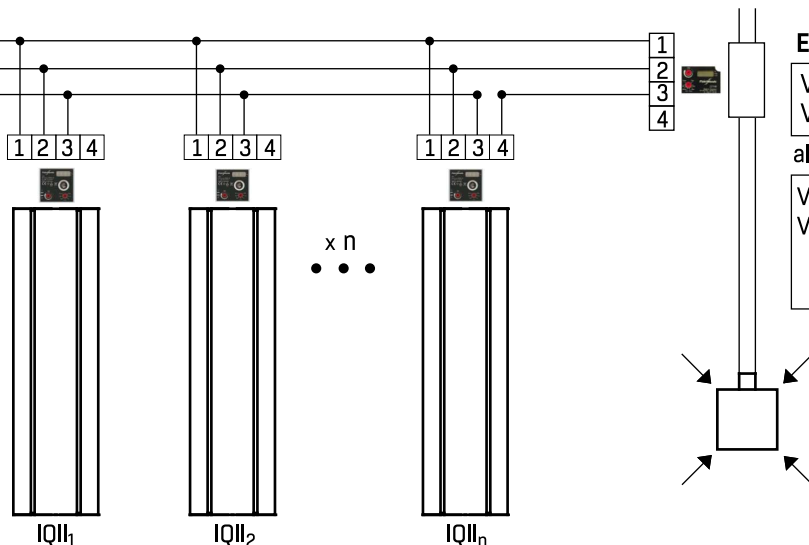
(l/s) (l/s) (l/s)

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

(VDC)



24 VAC (L) / 24 VDC (-)  
24 VAC (~) / 24 VDC (+)  
Y = 0 ... 10 V



**EMSS/EMSD**

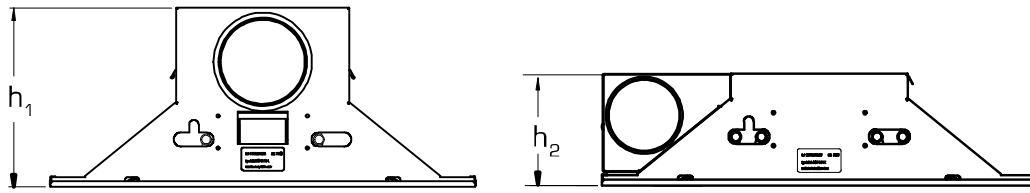
$$V_{min} = 0$$

$$V_{max} = V_{max} (IQI) \times n$$

alt.

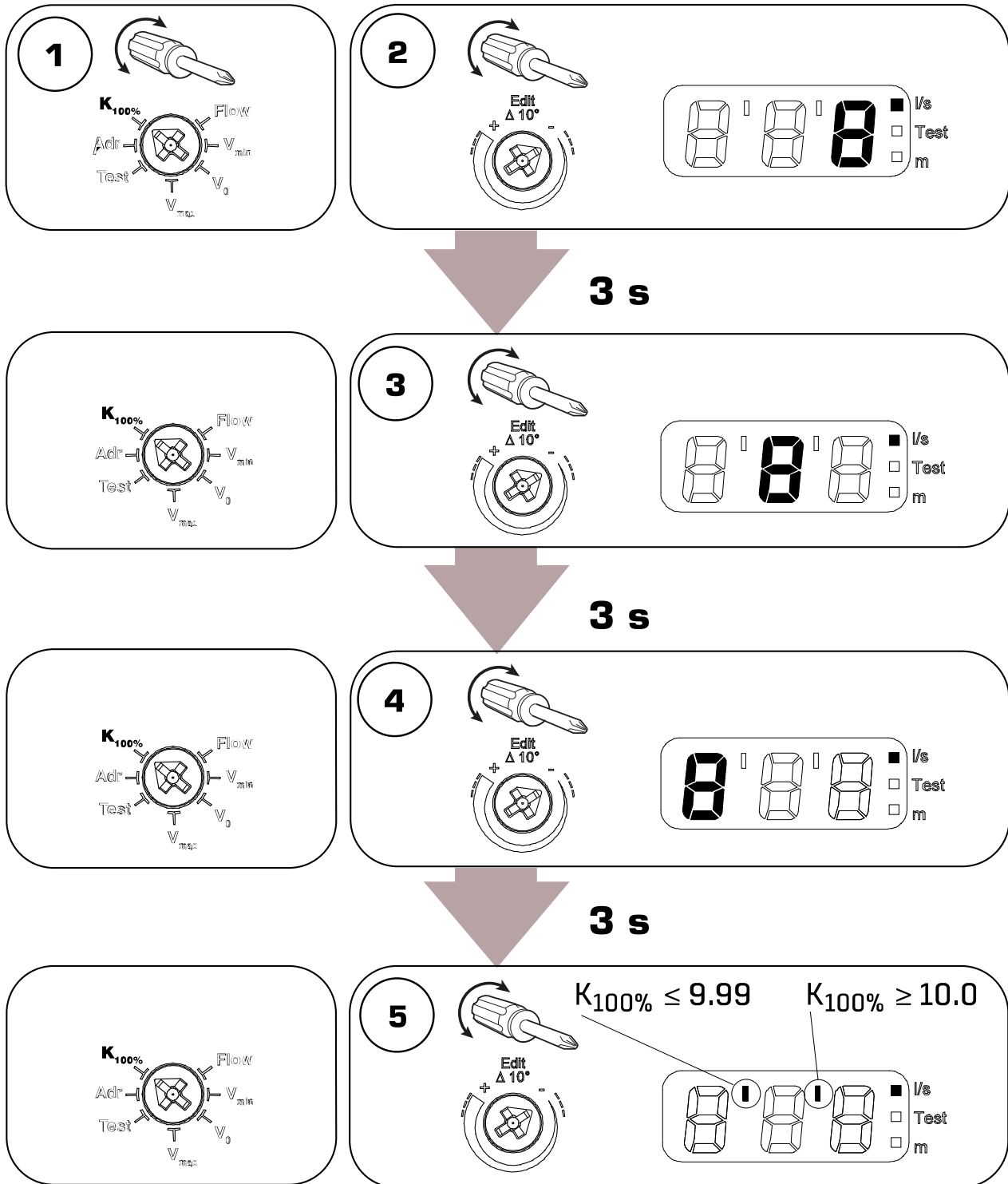
$$V_{min} = 0$$

$$V_{max} = V_{max} (IQI_1) + V_{max} (IQI_2) + \dots + V_{max} (IQI_n)$$



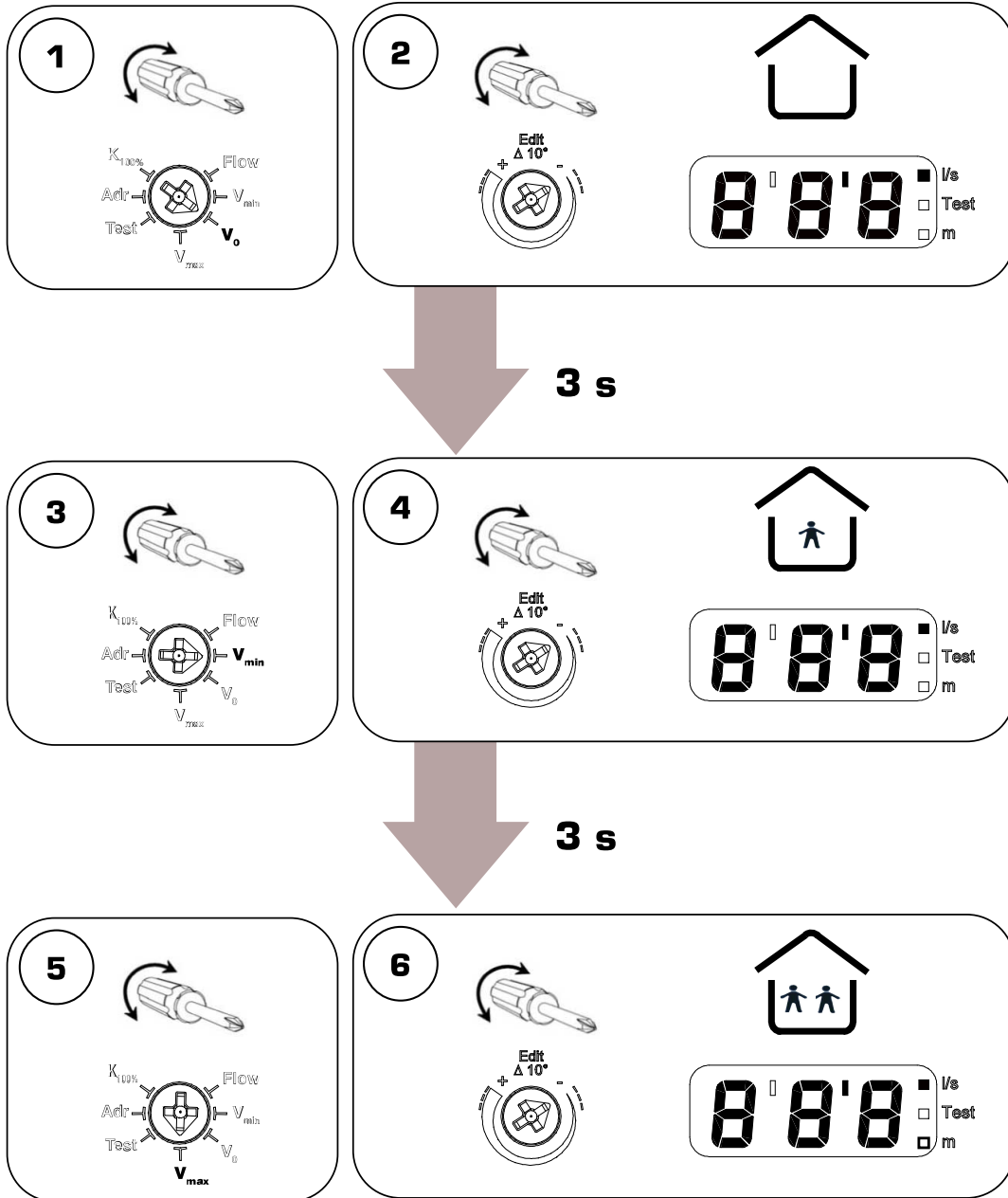
aaa [ cm]	h [ mm]	K <sub>100%</sub>
120	h <sub>1</sub> = 250	3.54
180	h <sub>1</sub> = 250	5.64
240	h <sub>1</sub> = 250	7.52
300	h <sub>1</sub> = 250	9.66
120	h <sub>2</sub> = 190	3.50
180	h <sub>2</sub> = 190	5.40
240	h <sub>2</sub> = 190	7.30
300	h <sub>2</sub> = 190	9.40
120	h <sub>2</sub> = 152	3.28
180	h <sub>2</sub> = 152	5.20
240	h <sub>2</sub> = 152	6.80
300	h <sub>2</sub> = 152	8.90
240 X-flow	h <sub>1</sub> = 250	9.58
300 X-flow	h <sub>1</sub> = 250	12.6

K<sub>100%</sub>



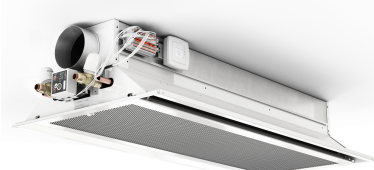


$V_0$ ,  $V_{min}$  &  $V_{max}$





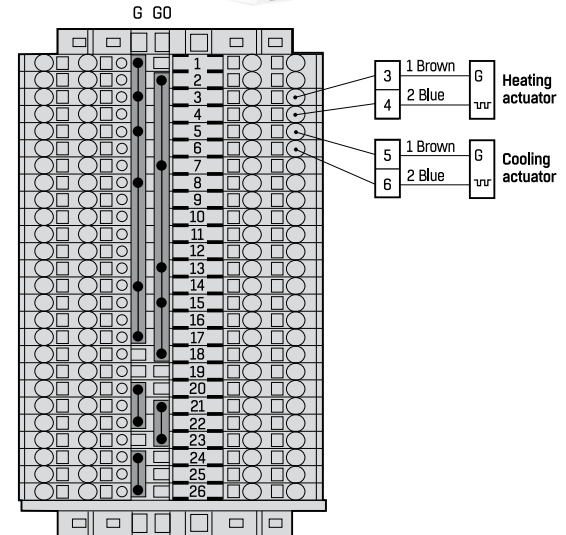
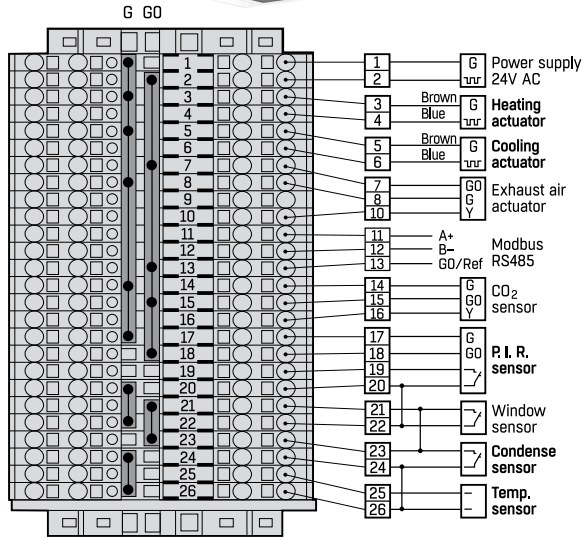
## STRZ-76



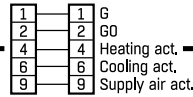
**Master beam**



**Slave beam**



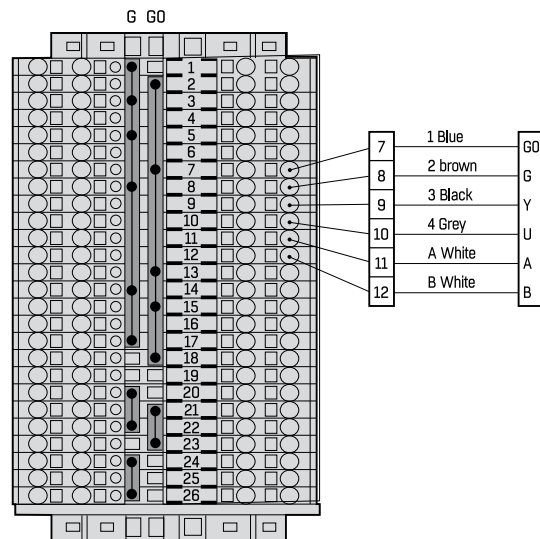
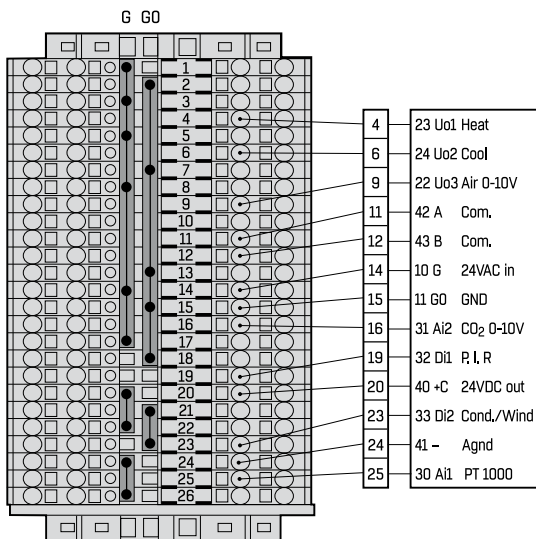
**Slave to Slave beam  
Master to Slave beam**



**Control unit STRA**

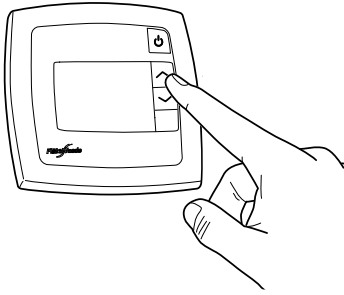


**PI actuator**





# Commissioning



STRZ-76-02-cc-d-ee  
STRZ-76-bb-02/04/06/08-d-ee  
STRZ-76-bb-03/04/07/08

Parameter 15 = 1  
Parameter 18 = 2  
Parameter 45 = 1, Parameter 17 = 3