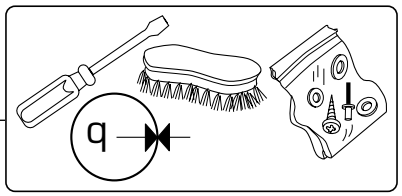
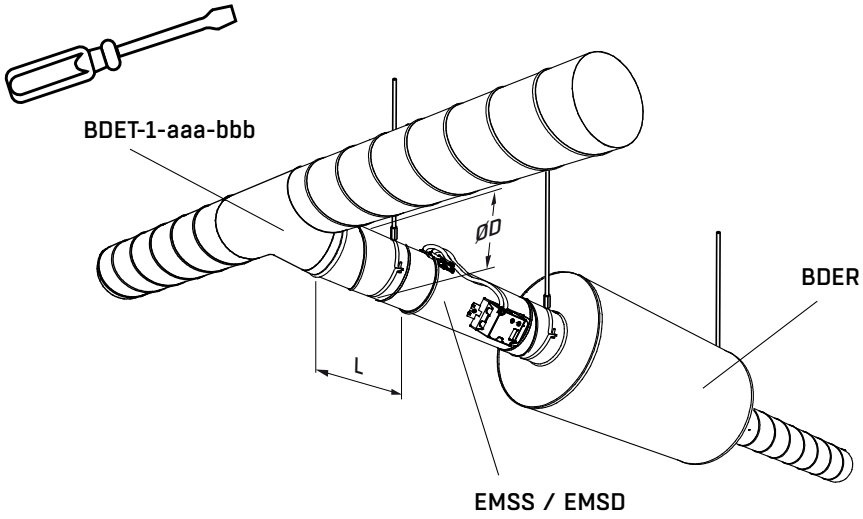
EMSS, EMSD + 327VMZ-MB

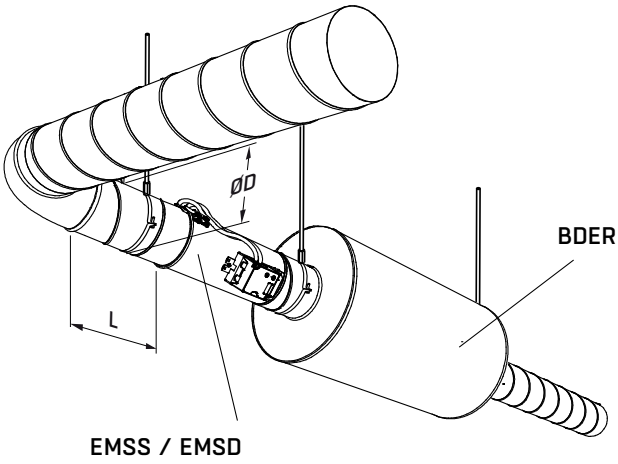


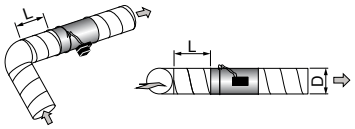
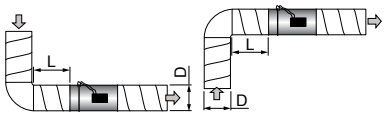
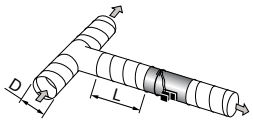
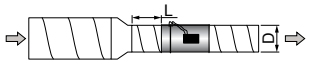
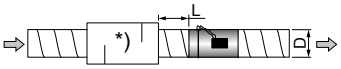




EMSS **EMSD**

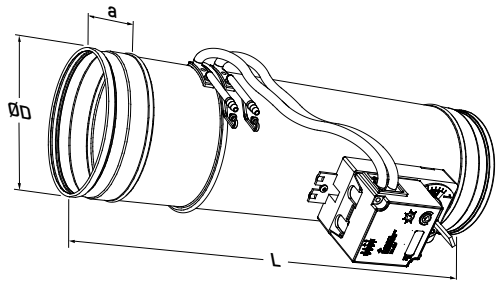
Can be installed both horizontally and vertically.
Voidaan asentaa vaaka- tai pystysuuntaan.
Kan monteras både horisontellt och vertikalt.



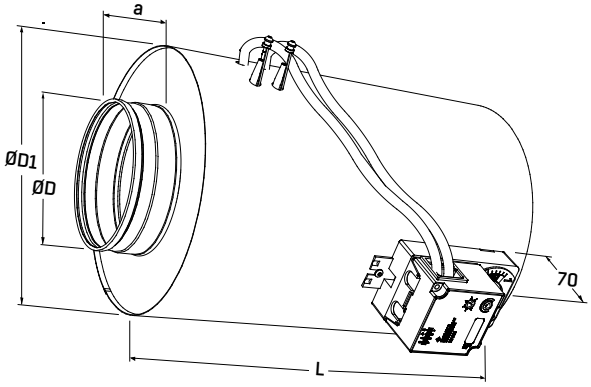
	L	
EMSS, EMSD Ø100-630: m_2 =	**±12%**	**±15%**
	≥ 2D	≥ 0D
	≥ 4D	≥ 0D
	≥ 2D	≥ 0D
	≥ 1D	≥ 0D
 *) BDER-30/40/44/45/60/61	≥ 0D	—

With other types of flow disturbance sufficient safety distances should be used.
Muissa mahdollisissa häiriölähteissä käytettävä riittävää suojaetäisyyttä.
Vid andra typer av luftflödensstörningar tillräckligt skyddsavstånd måste användas.

EMSS



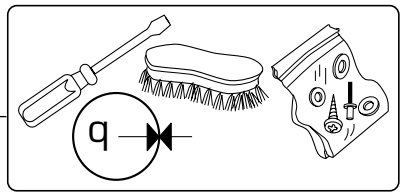
EMSD

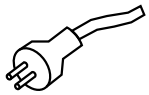


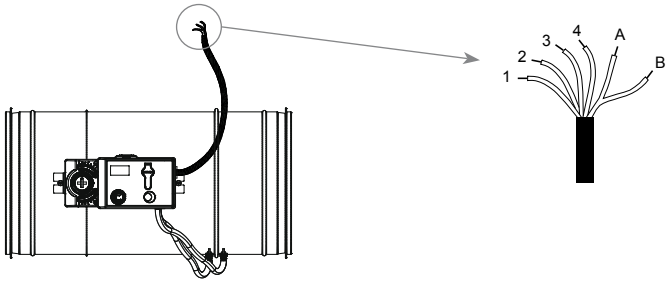
EMSS EMSD	ØD (mm)	ØD1 (mm)	L (mm)	a (mm)	EMSS (kg)	EMSD (kg)
100	99	200	400	35	1.4	2.5
125	124	225	400	35	1.7	2.9
160	159	260	400	35	2.2	3.4
200	199	300	400	35	2.7	4.0
250	249	350	580	40	4.1	6.5
315	314	415	580	40	5.4	7.9
400	399	500	650	60	9.3	11.8
500	499	600	850	60	14.2	19.0
630	629	730	850	60	19.5	24.0

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EMSS, EMSD + 327VMZ-MB



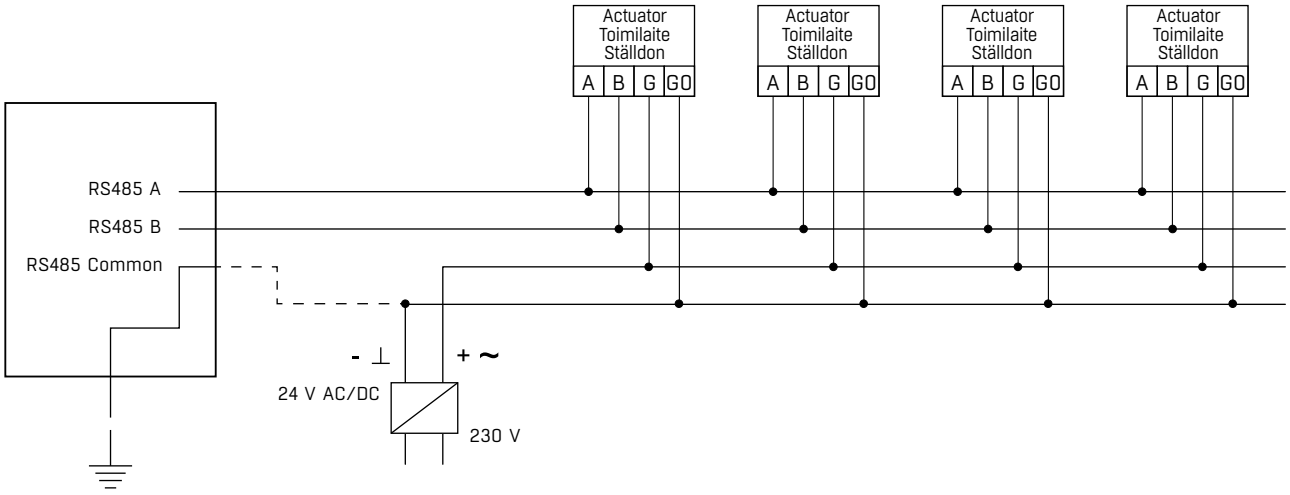


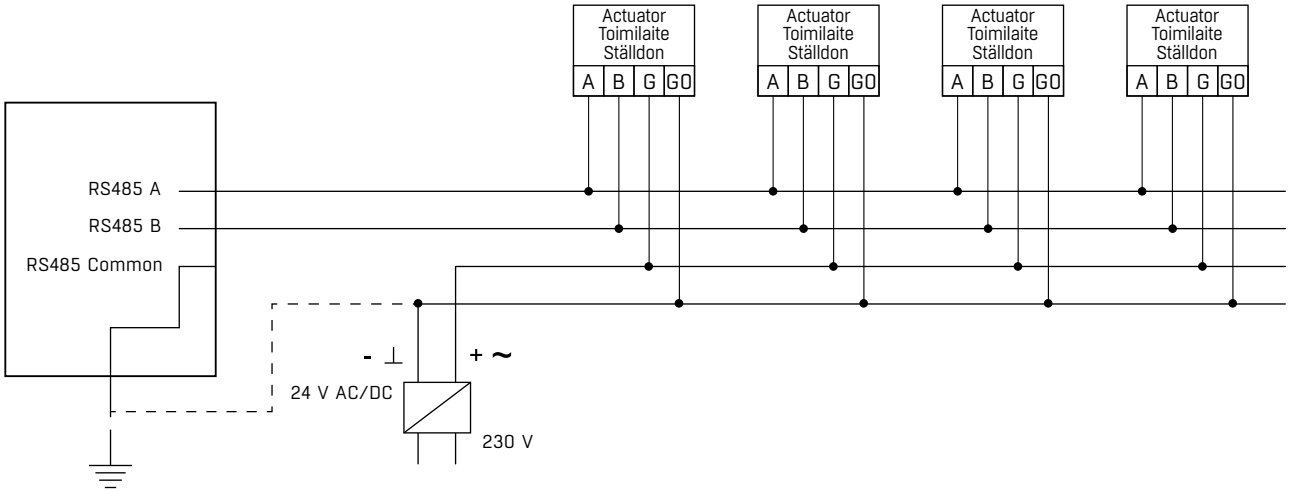


1	2	3	4	CA (-)	CB (+)
24 VAC ⊥ 24 VDC –	24 VAC ~ 24 VDC +	0...10 V 2...10 V	0...10 V 2...10 V	Modbus RS485	
Operating voltage Kättöjännite Driftspänning		Control signal Ohjaussignaali Styrsignal	Feedback signal Takaisinkytkentäviesti Återkopplingssignal		
black/musta/svart (BK)	red/punainen/röd (RD)	white/valkoinen/vit (WH)	orange/oranssi/orange (OG)	pink/vaal.pun./rosa (PK)	grey/harmaa/grå (GY)

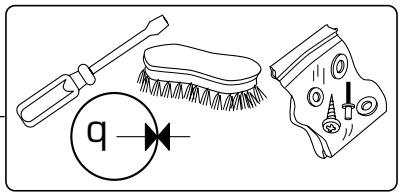
Factory settings / Tehdasasetukset / Grundinställningar:

Address	Osoite	Adress	1
Transfer rate	Siirtonopeus	Transferhastighet	19200 bps
Data bits	Data bitit	Data bits	8
Parity	Pariteetti	Paritet	Even
Stop bits	Stop bitit	Stop bits	1
Delay	Viive	Fördröjning	0 ms

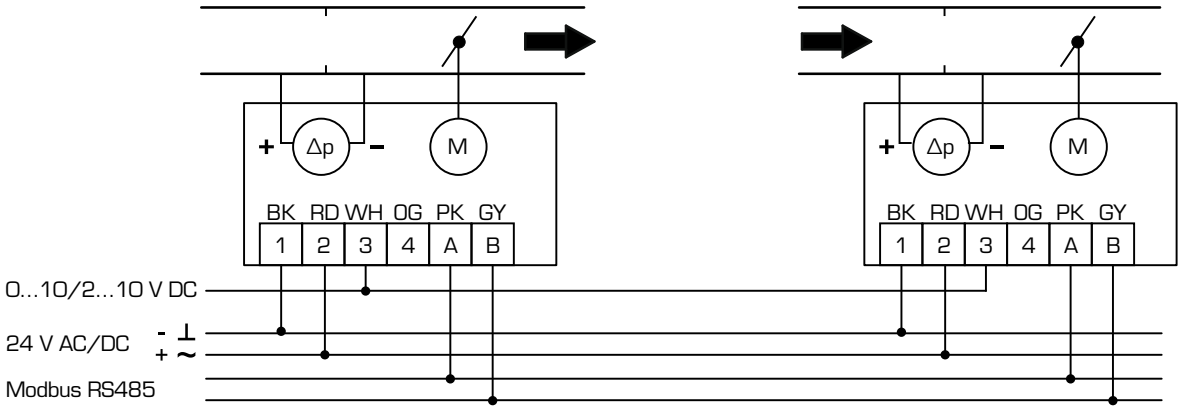




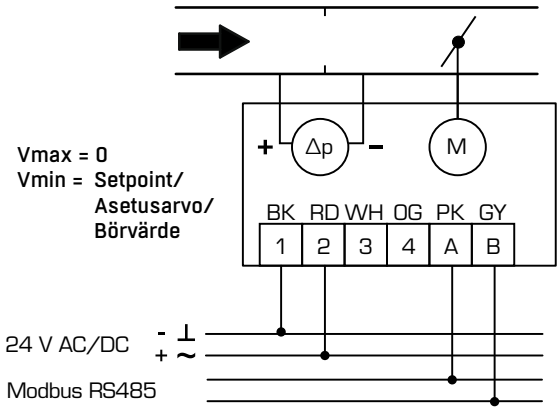
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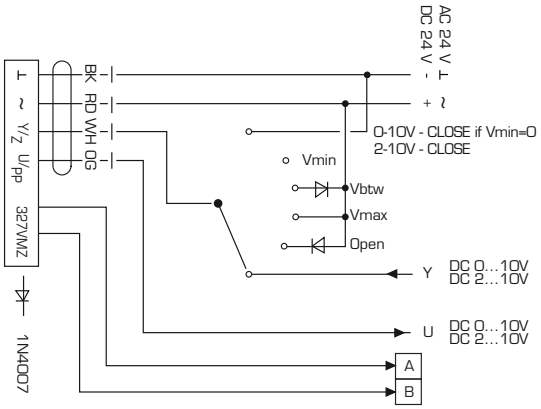
PARALLEL CONTROL / RINNAKKAISOHJAUS / PARALELLREGLERING



CAV CONSTANT AIR VOLUME / VAKIOILMAMÄÄRÄN SÄÄTÖ / KONSTANTFLÖDESREGLERING

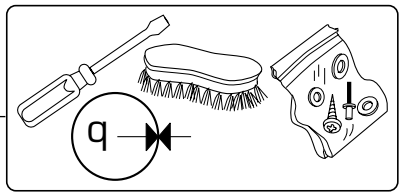


FORCED CONTROL / PAKKO-OHJAUS / TVÅNGSREGLERING



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EMSS, EMSD + 327VMZ-MB





A = 3-digit display
B = Value selector
C = LED button

A = 3-merkkinen näyttö
B = arvonvalitsin
C = LED-painike

A = 3-siffrig display
B = Värdesväljare
C = LED-knapp



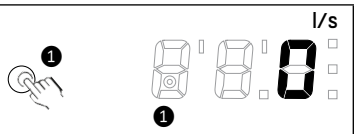
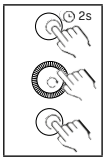
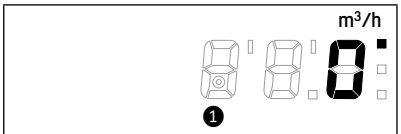
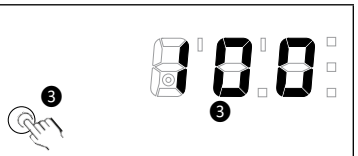
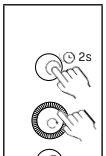
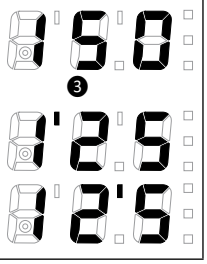
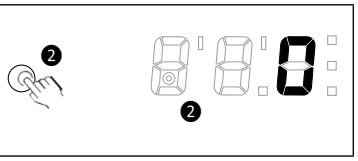
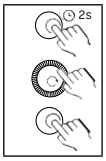
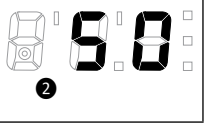
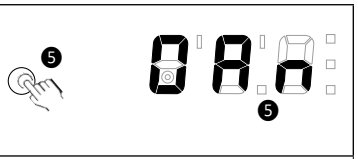
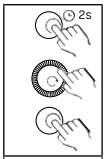
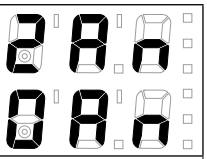
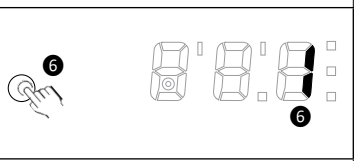
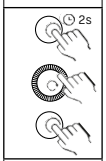
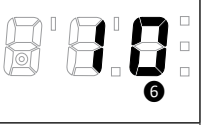
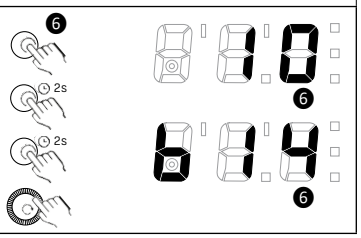
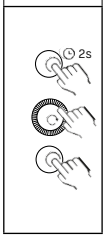
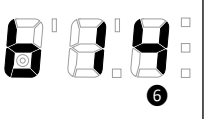
Single press to change menu
Yksi painallus: valikko vaihtuu
Tryck en gång för att byta meny



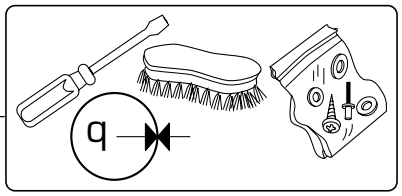
Press and hold to enter setup
Painettuna 2 s: siirtyminen asetuksiin
Håll intryckt för att öppna inställningar



Rotate to change value
Kierto: arvo muuttuu
Vrid för att ändra värde

1	Air flow unit selection Ilmavirtayksikön valinta Inställning av luftflödesenhet			
2	Vmax value setup Vmax-asettelu Vmax inställning			Example/Esimerkki/Exempel: Vmax = 150 l/s Vmax = 1 250 l/s Vmax = 12 500 l/s 
3	Vmin value setup Vmin-asettelu Vmin inställning			Example/Esimerkki/Exempel: Vmin = 50 l/s 
4	Input signal range setup Jännitealueen asettelu Inställning av signalområde			2-10 V 0-10 V 
5	Modbus address setup Modbus osoitteen asettelu Modbus adress inställning			Example/Esimerkki/Exempel: Adr = 10 
6	Modbus communication parameters setup Modbus yhteysasetusten valinta Modbus kommunikationsparametrar inställning			Factory setting/Tehdasasetus/Grundinställning: Modbus 

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Modbus communication parameters/
yhteysasetukset / kommunikationsparametrar:

Display number	Baud rate	Parity	Stop bits
b10	9600	None	2
b11	9600	Even	1
b12	9600	Odd	1
b13	19200	None	2
* **b14**	**19200**	**Even**	**1**
b15	19200	Odd	1
b16	38400	None	2
b17	38400	Even	1
b18	38400	Odd	1

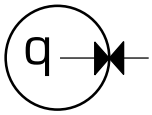
After setup / Asettelujen jälkeen /
Efter inställningar:



Flow rate
Ilmavirta (l/s)
Luftflöde

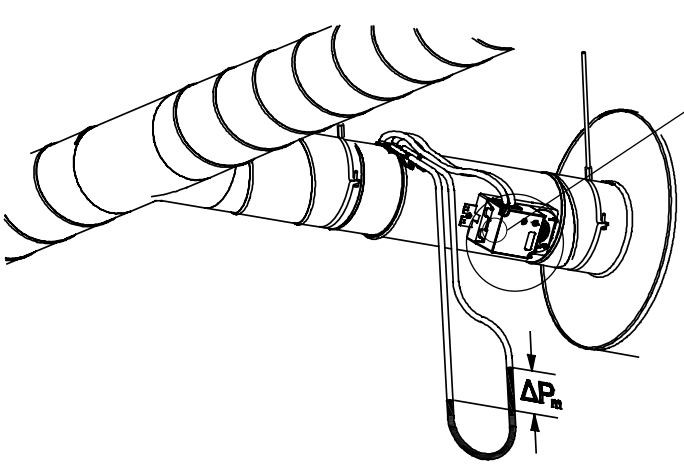
example/esimerkki/exempel: 60 l/s



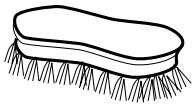


$q = k\sqrt{\Delta p_m}$ (l/s) (Pa)

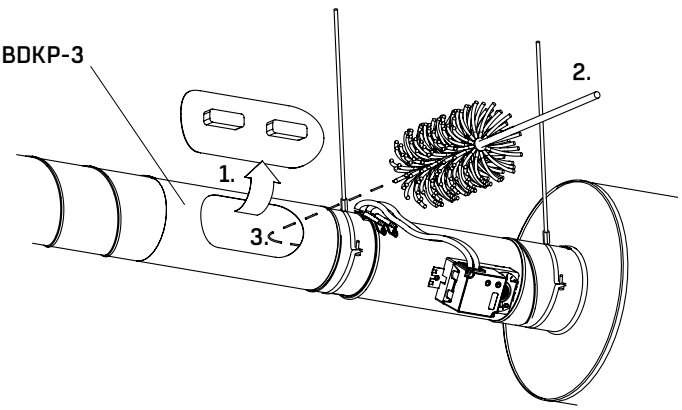
$q = 3.6\ k\sqrt{\Delta p_m}$ (m^3/h) (Pa)



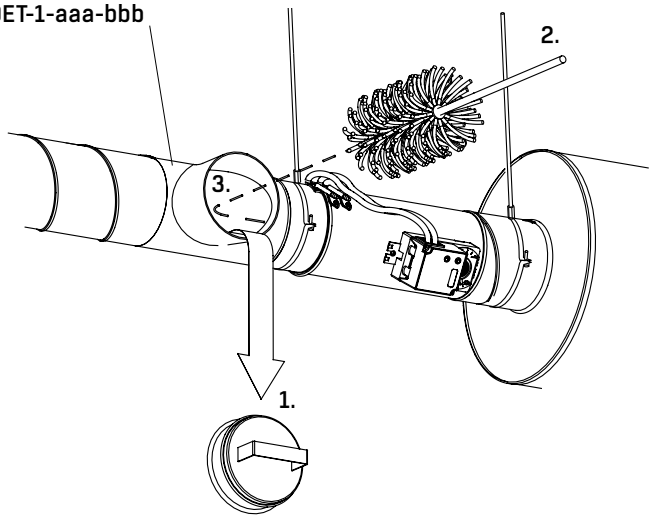
Size Koko Storlek	k	
	EMS(S,D) -2/3	EMS(S,D) -7
100	4.2	4.3
125	6.0	6.5
160	10	11
200	16	18
250	25	27
315	40	44
400	64	68
500	99	108
630	165	165



BDKP-3



BDET-1-aaa-bbb



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