

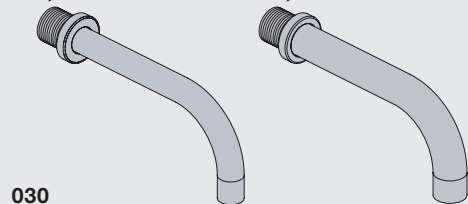
**VOLA 010, 020, 030, 040**  
**VOLA 010C, 020C, 040D**

Fitting instruction  
 Montageanleitung  
 Monteringsvejledning  
 Monteringsvægledning  
 Montage hanleiding  
 Manuel de montage

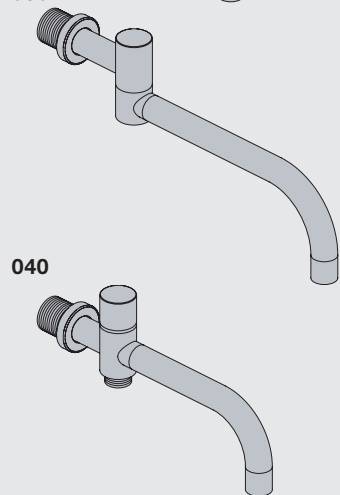


**010, 020**

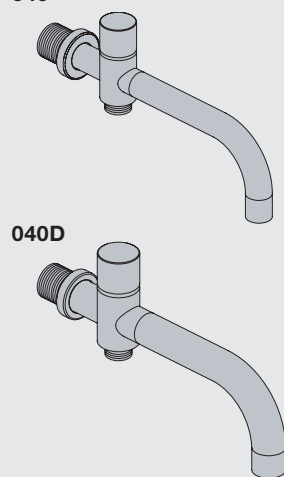
**010C, 020C**



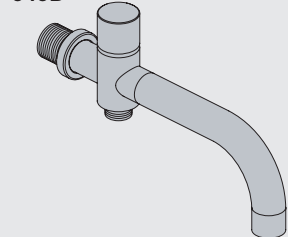
**030**



**040**



**040D**



www.vola.com

mnt\_010\_V1\_40998360  
 08-08-2022



5 705230 341750

| Standard Flow data: |                      | Max.                     |
|---------------------|----------------------|--------------------------|
| 010/020             | (l/min)<br>(Gal/min) | 5.0<br>1.3               |
| 010C/020C           | (l/min)<br>(Gal/min) | 30<br>7.9                |
| 030                 | (l/min)<br>(Gal/min) | 9.0<br>2.0               |
| 040                 | (l/min)<br>(Gal/min) | 25<br>6.6                |
| 040D                | (l/min)<br>(Gal/min) | 30<br>7.9                |
|                     |                      | Max. 65°C.<br>Max. 150°F |



**VR161:**

VR161K: 7 l/min - 1.8 Gal/min

VR161D: 9 l/min - 2.5 Gal/min

VR161F: 14 l/min - 3.7 Gal/min

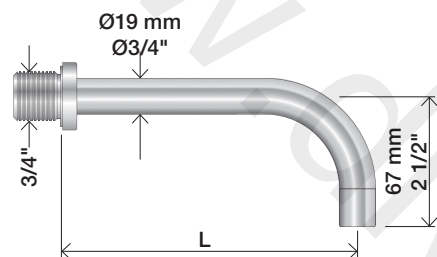


For more water saving possibilities please see:  
 Weitere Wassersparmöglichkeiten finden Sie auf:  
 For flere vandbesparende muligheder se venligst:  
 För mer vattenbesparande möjligheter hänvisas till:  
 Voor meer waterbesparende mogelijkheden zie:  
 Pour plus d'informations sur les options : économie d'eau, voir le site:

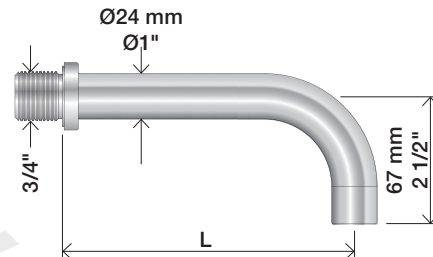
[www.vola.com](http://www.vola.com)



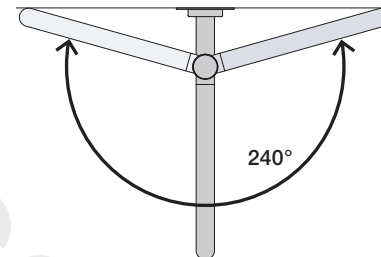
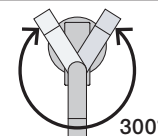
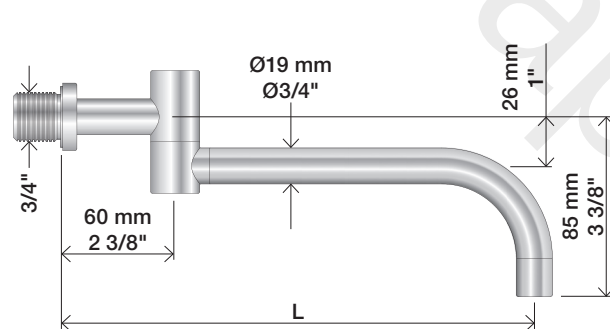
**010, 020**



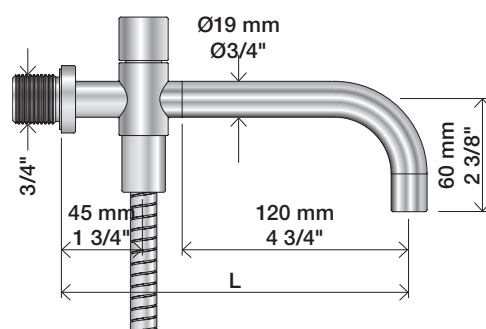
**010C, 020C**



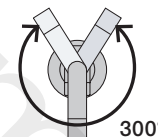
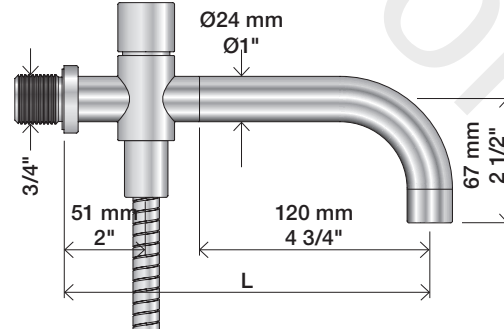
**030**



**040**



**040D**



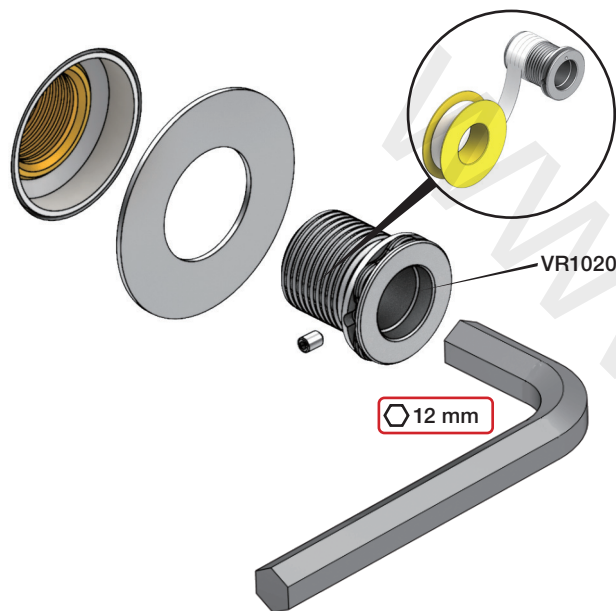
|            | L (mm) | L (Inch) |
|------------|--------|----------|
| 010(C)/100 | 100    | 4"       |
| 010(C)/130 | 130    | 5"       |
| 010(C)/160 | 160    | 6"       |
| 020(C)/200 | 200    | 7 3/4"   |
| 020(C)/225 | 225    | 8 3/4"   |
| 020(C)/260 | 260    | 10 1/4"  |
| 020(C)/300 | 300    | 11 3/4"  |

|         | L (mm) | L (Inch) |
|---------|--------|----------|
| 030/200 | 200    | 7 3/4"   |
| 030/250 | 250    | 9 3/4"   |
| 030/300 | 300    | 11 3/4"  |
| 030/350 | 350    | 13 3/4"  |

|          | L (mm) | L (Inch) |
|----------|--------|----------|
| 040      | 185    | 7 3/4"   |
| 040D     | 200    | 7 3/4"   |
| 040D/250 | 250    | 9 3/4"   |
| 040D/300 | 300    | 11 3/4"  |

1

010, 010C, 020, 020C, 030, 040, 040D



2

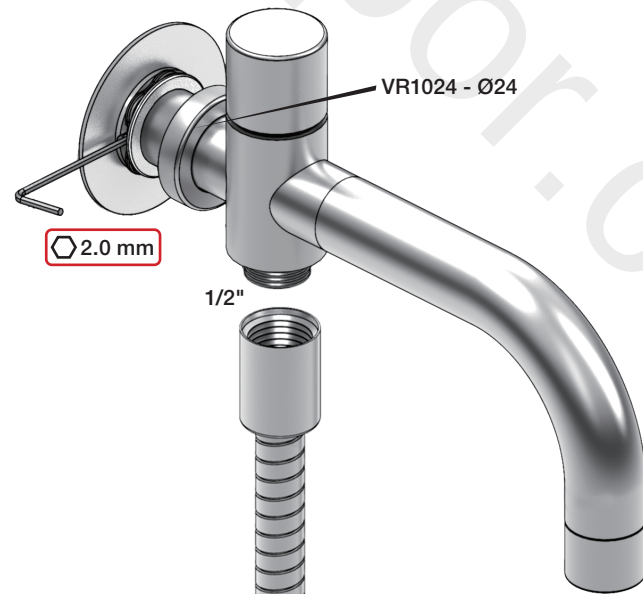
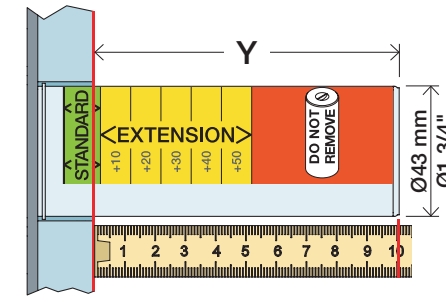
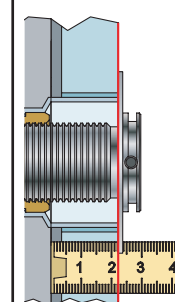


3

Ø19: 010, 020, 030, 040

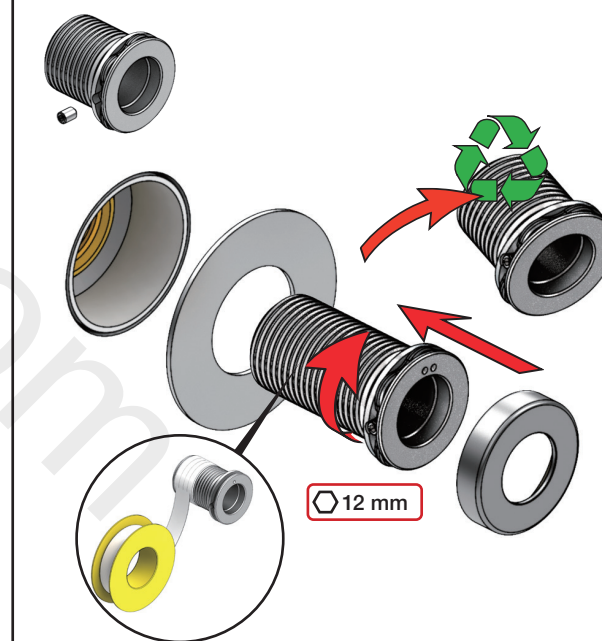


Ø24: 010C, 020C, 040D

Extension  
VerlängerungForlængerdele  
FörlängningVerlengstücken  
ModificationT Min. 3 mm  
Max. 65 mmY Min. 48 mm  
Max. 110 mm

| T          | Y           | VR2019 (Ø19)<br>VR2119 (Ø24) |
|------------|-------------|------------------------------|
| 3 - 15 mm  | 110 - 98 mm | Std.                         |
| 15 - 25 mm | 98 - 88 mm  | +10                          |
| 25 - 35 mm | 88 - 78 mm  | +20                          |
| 35 - 45 mm | 78 - 68 mm  | +30                          |
| 45 - 55 mm | 68 - 58 mm  | +40                          |
| 55 - 65 mm | 58 - 48 mm  | +50                          |

VR2019+/VR2219+

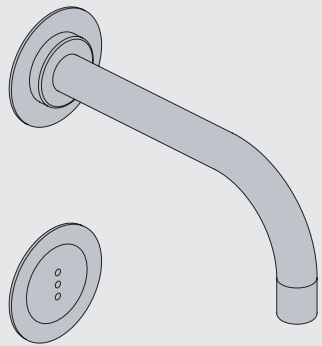


VOLA 4300, 4800, 4900, 4900VS, 4900VSX



Fitting instruction  
Montageanleitung  
Monteringsvejledning

Monteringsvægledning  
Montage hanleiding  
Manuel de montage



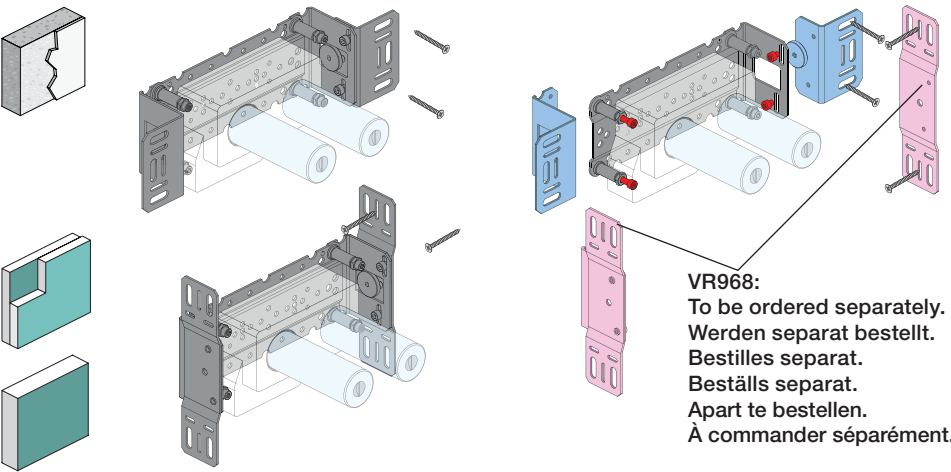
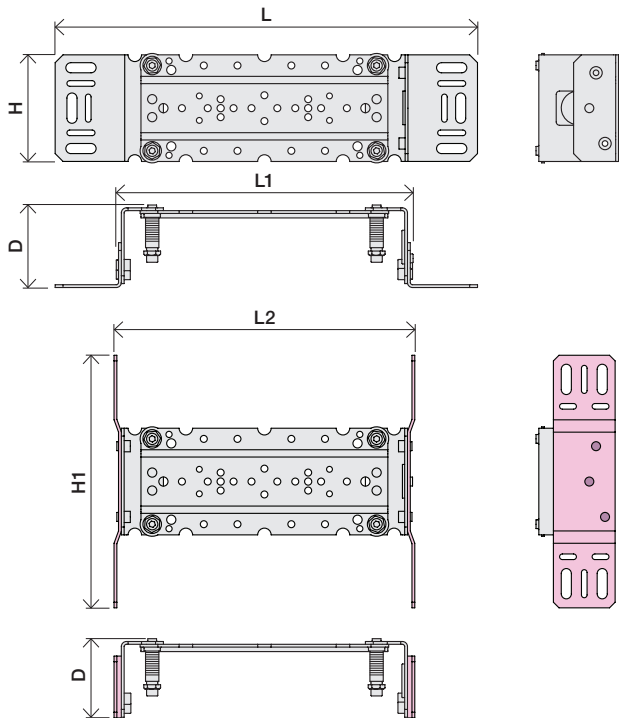
www.vola.com

mnt\_4900\_V3\_40998511  
17-08-2022

vola



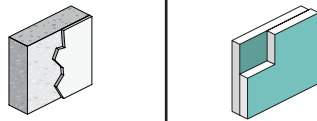
|                 | L                 | L1            | L2                | H                | H1               | D               |
|-----------------|-------------------|---------------|-------------------|------------------|------------------|-----------------|
| 4300            | 377 mm<br>14 3/4" | 260 mm<br>10" | 268 mm<br>10 1/2" | 95 mm<br>3 3/4"  | 186 mm<br>7 3/8" | 70 mm<br>2 3/4" |
| 4800            | 475 mm<br>19 1/2" | 355 mm<br>14" | 367 mm<br>14 1/2" |                  |                  |                 |
| 4900            | 552 mm<br>23"     | 435 mm<br>17" | 447 mm<br>17 5/8" |                  |                  |                 |
| 4900VS, 4900VSX | 377 mm<br>14 3/4" | 260 mm<br>10" | 268 mm<br>10 1/2" | 214 mm<br>8 1/4" |                  |                 |



VR968:  
To be ordered separately.  
Werden separat bestellt.  
Bestilles separat.  
Apart te bestellen.  
À commander séparément.

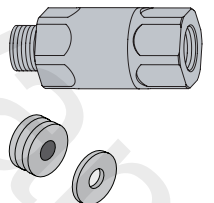
| A     | Data, 3 Bar/43.5 Psi: |          |                      |
|-------|-----------------------|----------|----------------------|
|       | l/min.                | Gal/min. | Max. 65°C, 150°F     |
| 4300: | 30.0                  | 7.9      |                      |
| 4800: | 30.0                  | 7.9      |                      |
| 4900: | 18.3                  | 4.8      | Max.: 10 Bar/145 psi |

B Check the local legislation.  
Bitte die örtlichen Vorschriften überprüfen.  
Tjek de lokale regler.  
Kontrollera lokala föreskrifter  
Nazitten lokale regelgeving.  
Vérifiez la législation locale.

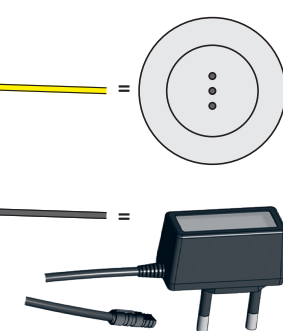


C DE:  
Bitte separat beiliegende Anleitung für die Schalldämpfer  
VR1249 beachten

DE:  
Bitte separat beiliegende Anleitung für die Schallentkopplung  
VR972 beachten

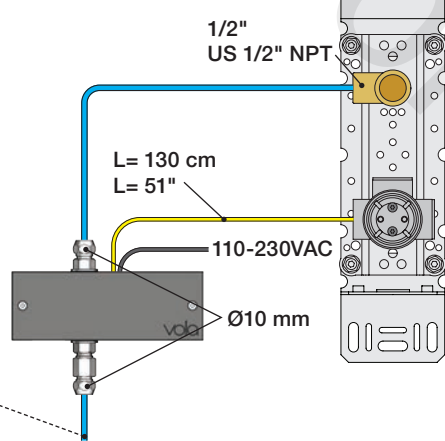


D Cabling  
Verkabelung  
Kabelföring  
Kabeldragning  
Bekabeling  
Câblage

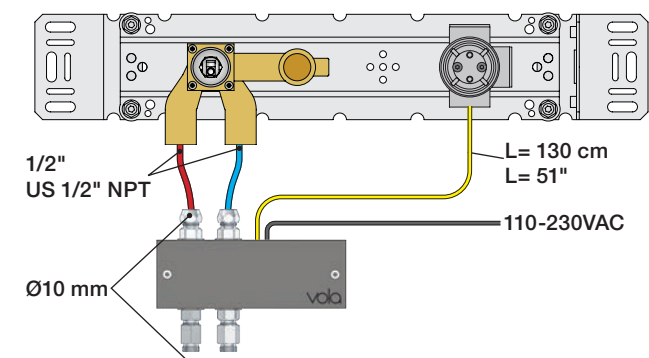


Alt.:  
Premixed water  
Vorgemischte Wasser  
Forblandet vand  
Förblandade vatten  
Voorgemengd water  
D'eau prémélangée

4300/4800:



4900:

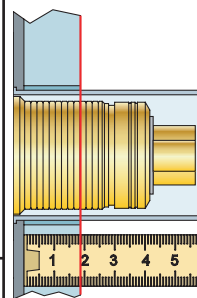


Extension  
Verlängerung  
Forlængerdele  
Förlängning  
Aanpassing  
Modification

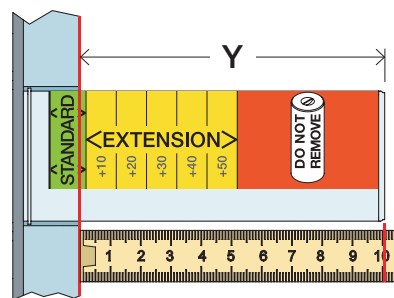


|     |     |     |
|-----|-----|-----|
| STD | +10 | +20 |
| +30 | +40 | +50 |

T Min. 15 mm  
Max 65 mm

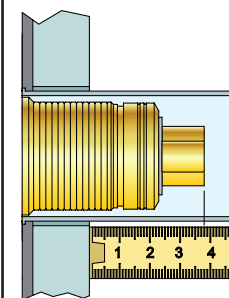


Y Min. 48 mm  
Max. 110 mm

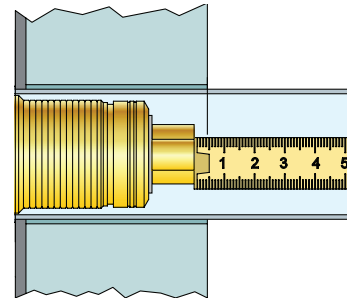


Extension, retrofit  
Verlängerung, nachträglicher Einbau  
Forlængerdele, eftermontering  
Förlängning, eftermontering  
Aanpassing na montage  
Modification après installation

X 52 - 0 mm



X -15 - 0 mm



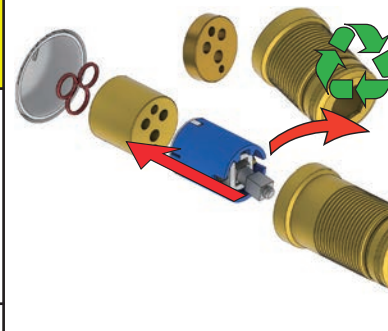
|  | T          | Y           | VR1260/VR2019 | VR513A |  | X          | VR1260/VR2019 | VR513A |
|--|------------|-------------|---------------|--------|--|------------|---------------|--------|
|  | 3 - 15 mm  | 110 - 98 mm | Std.          | Std.   |  | 40 - 52 mm | Std.          | Std.   |
|  | 15 - 25 mm | 98 - 88 mm  | +10           | x1     |  | 30 - 40 mm | +10           | x1     |
|  | 25 - 35 mm | 88 - 78 mm  | +20           |        |  | 20 - 30 mm | +20           |        |
|  | 35 - 45 mm | 78 - 68 mm  | +30           | x2     |  | 10 - 20 mm | +30           | x2     |
|  | 45 - 55 mm | 68 - 58 mm  | +40           |        |  | 0 - 10 mm  | +40           |        |
|  | 55 - 65 mm | 58 - 48 mm  | +50           | x3     |  | -10 - 0 mm | +50           | x3     |

Fitting of extension  
Montage von verlängerung

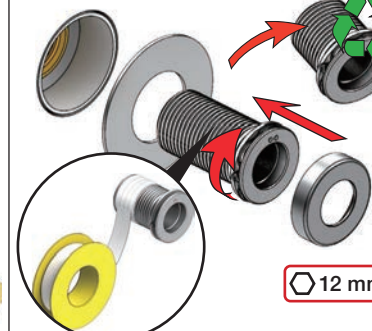
Montering af forlængerdele  
Montering av förlängning

Montage van de verlengstukken  
Montage des rallonges

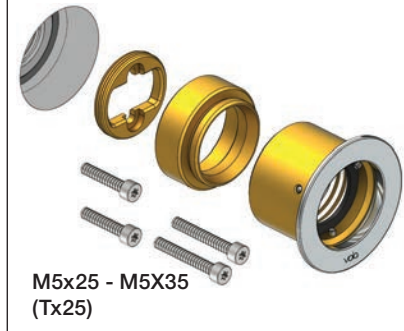
VR1260+



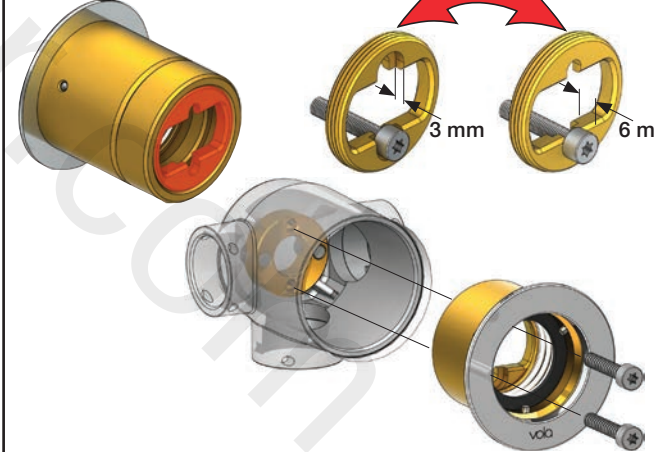
VR2019+



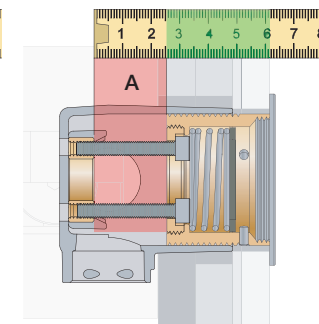
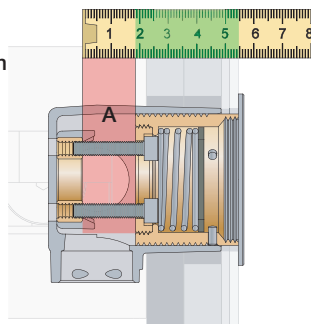
VR513A



VR513A

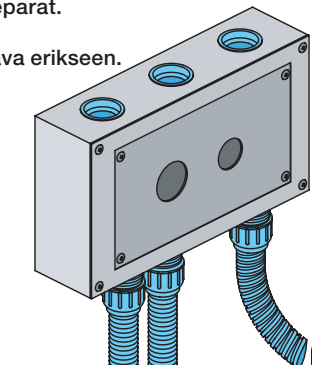
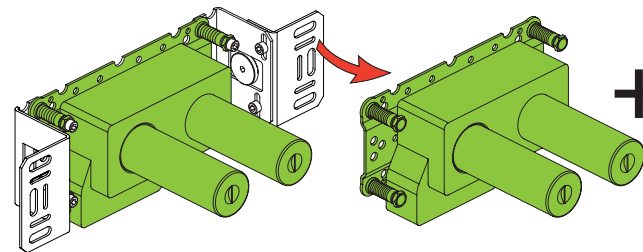


A: 10 - 20 mm = M5x25  
A: 20 - 29 mm = M5x35



Box till inbygggnadsblandare.  
Boks til indbygningsblander.  
Laatikko seinäasenteiselle sekoittajalle.

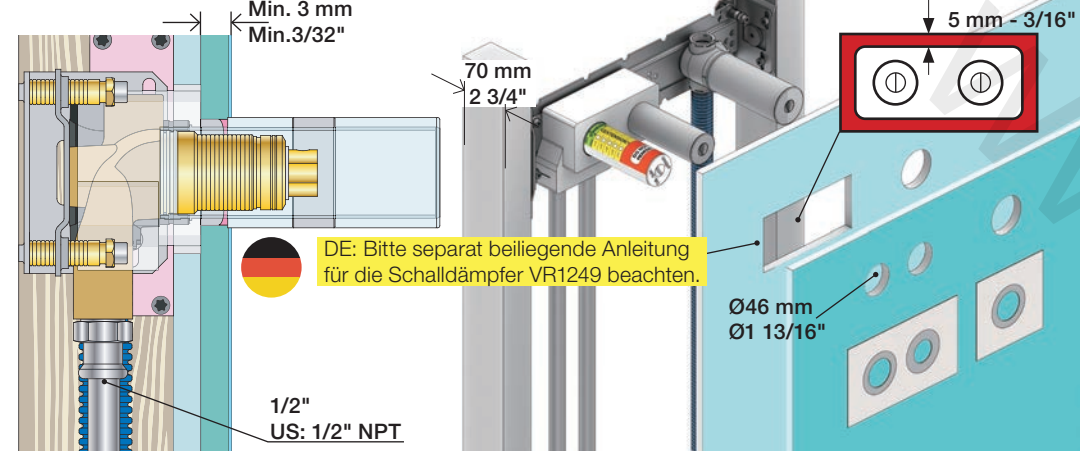
Ingår inte i leveransen, köps separat.  
Ikke inkludert, kjøpes separat.  
Eivät sisälly tilaukseen, ostettava erikseen.





**2x13 mm** Lightweight wall  
Leichtwand  
Let væg

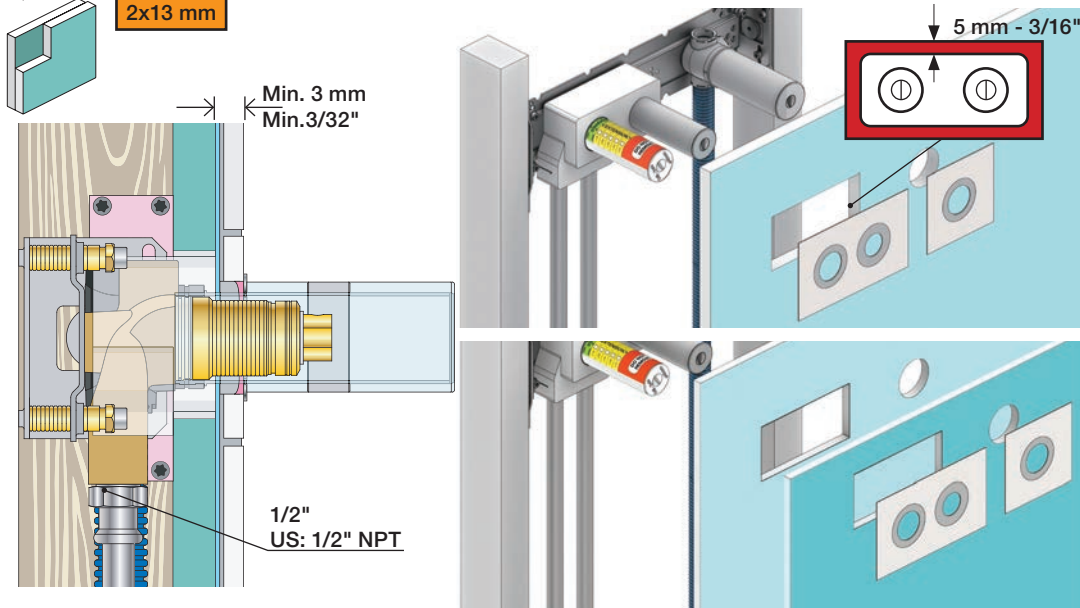
Lätta konstruktion  
Holle wandconstructie  
Construction légère



**1x15 mm**  
**1x18 mm**  
**1x20 mm**  
**2x13 mm**

Lightweight wall  
Leichtwand  
Let væg

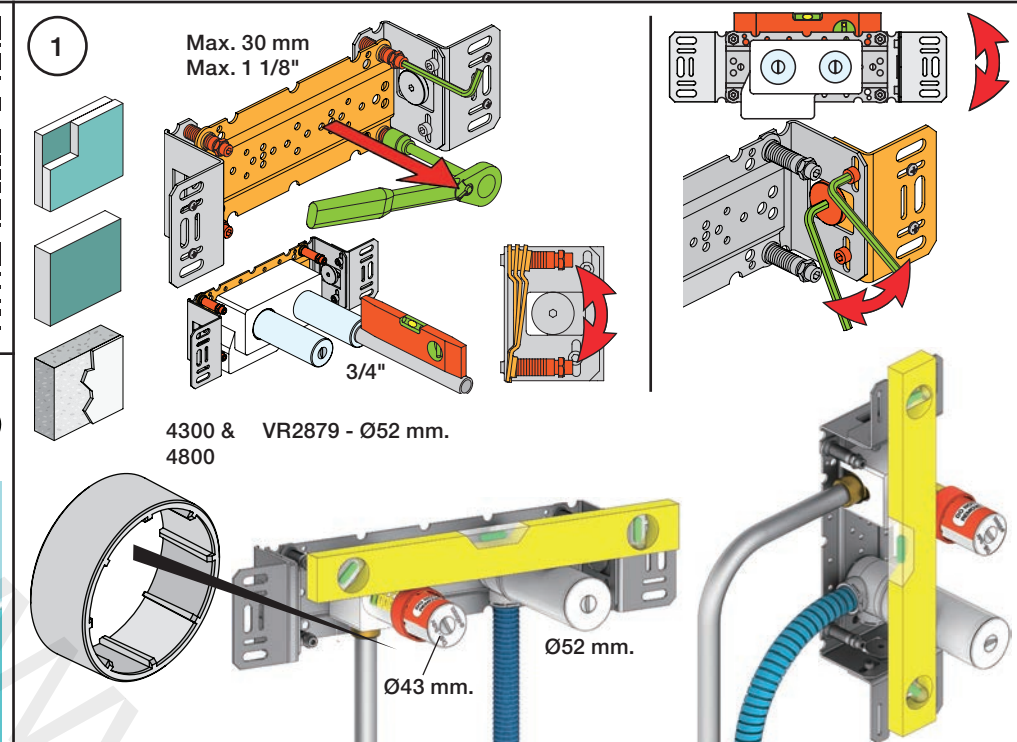
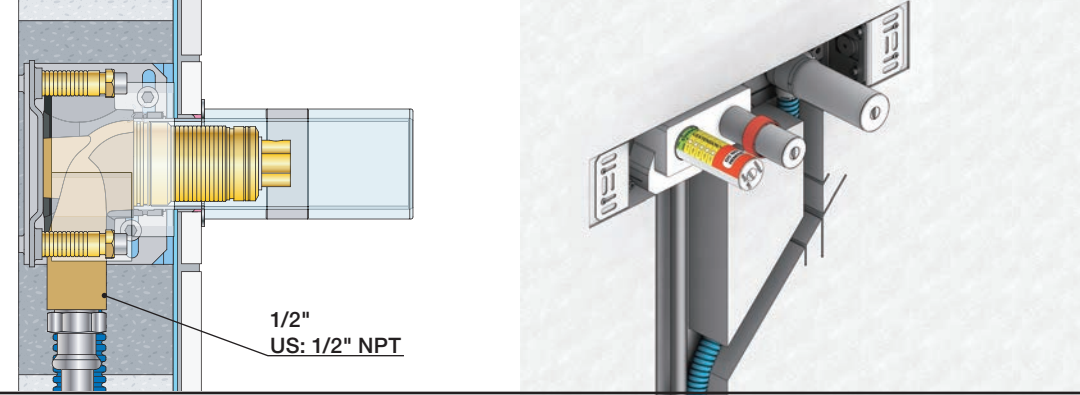
Lätta konstruktion  
Holle wandconstructie  
Construction légère



Masonry  
Mauerwerk

Murværk  
Murverk

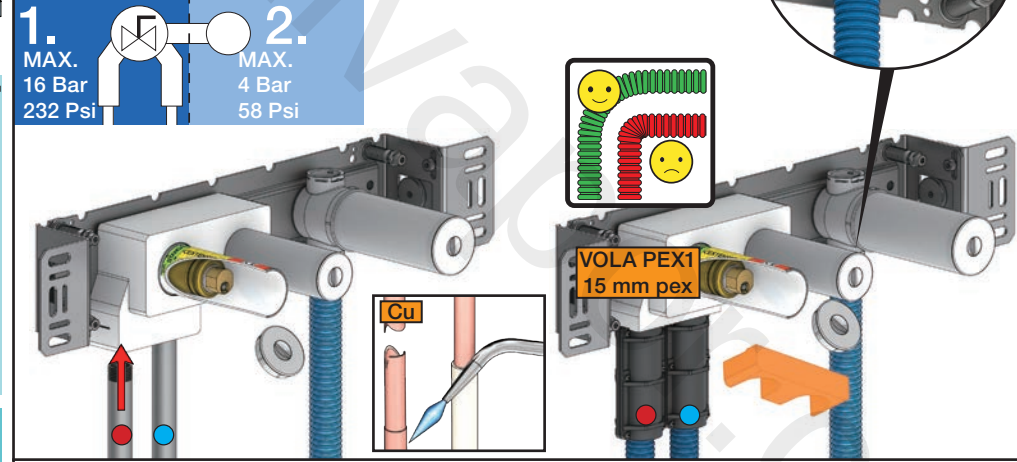
Massive wand  
Mur Plein



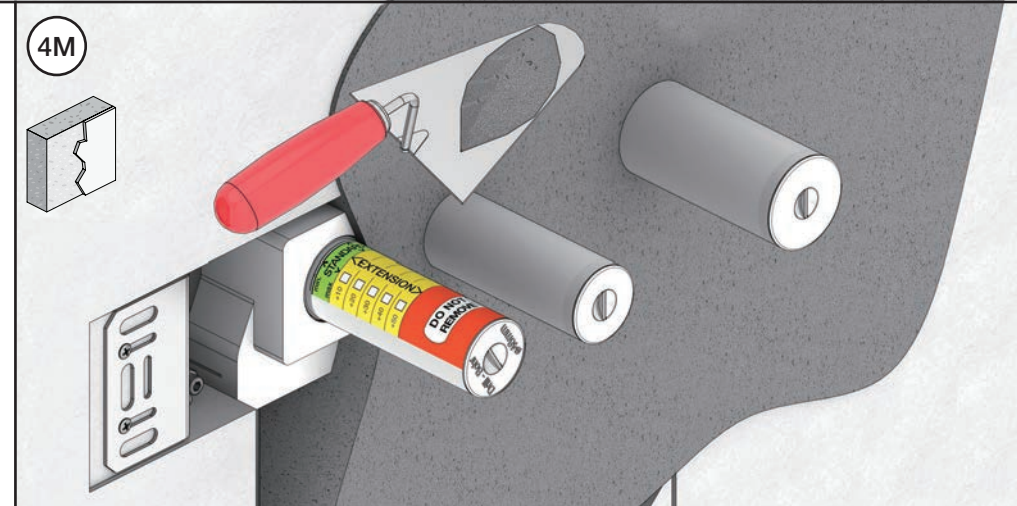
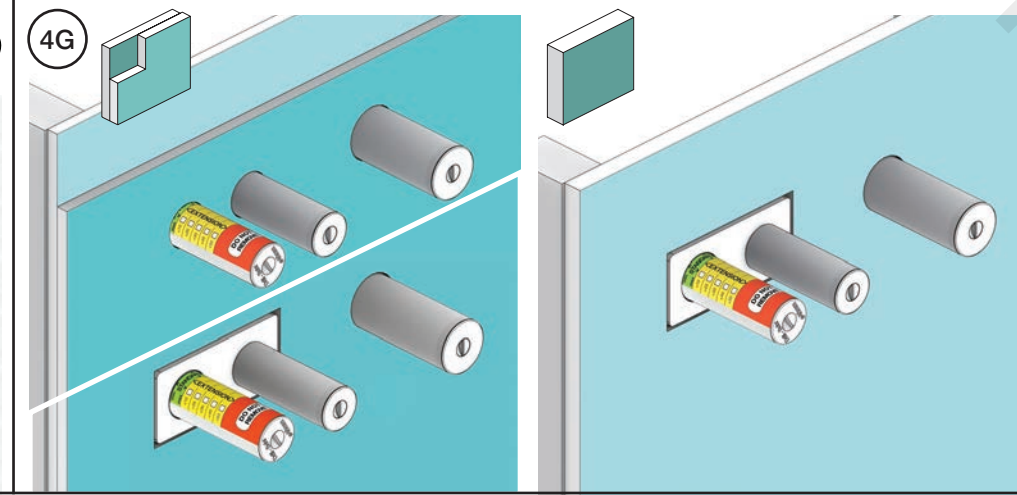
**2** Test Pressure  
Prüfdruck  
testtryk  
Test tryck  
Test druk  
test de pression

Check the local legislation.  
Bitte die örtlichen Vorschriften überprüfen.  
Tjek de lokale regler.  
Kontrollera lokala föreskrifter.  
Nazitten lokale regelgeving.  
Vérifiez la législation locale.

**! Water - Wasser - Vand ! MAX 1 Minute - Minut !**  
**! Vatten - Water - L'eau ! MAX 1 Minuut !**



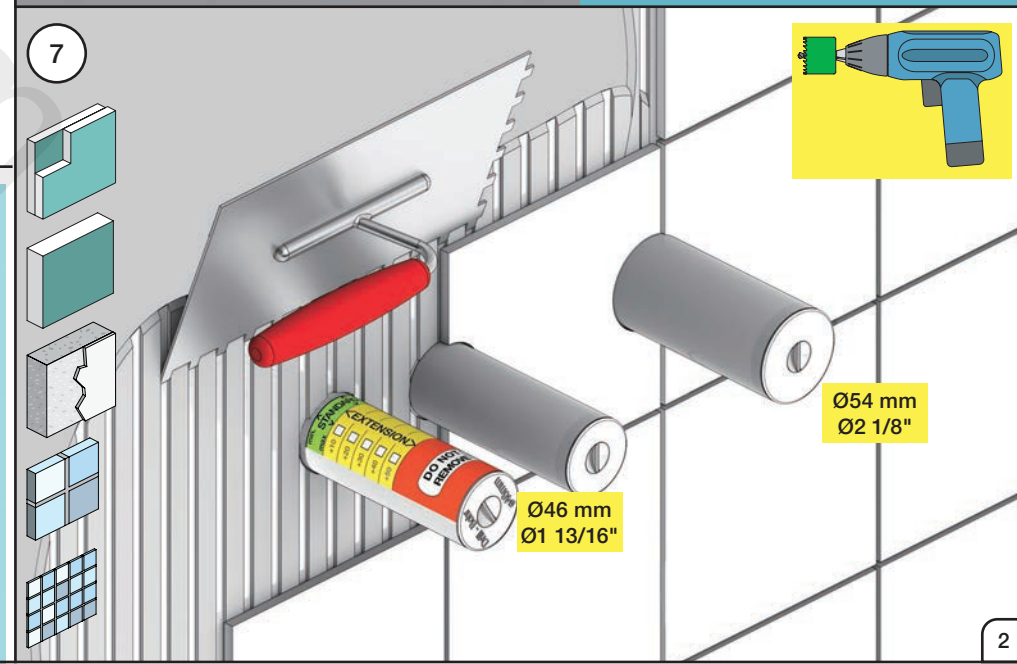
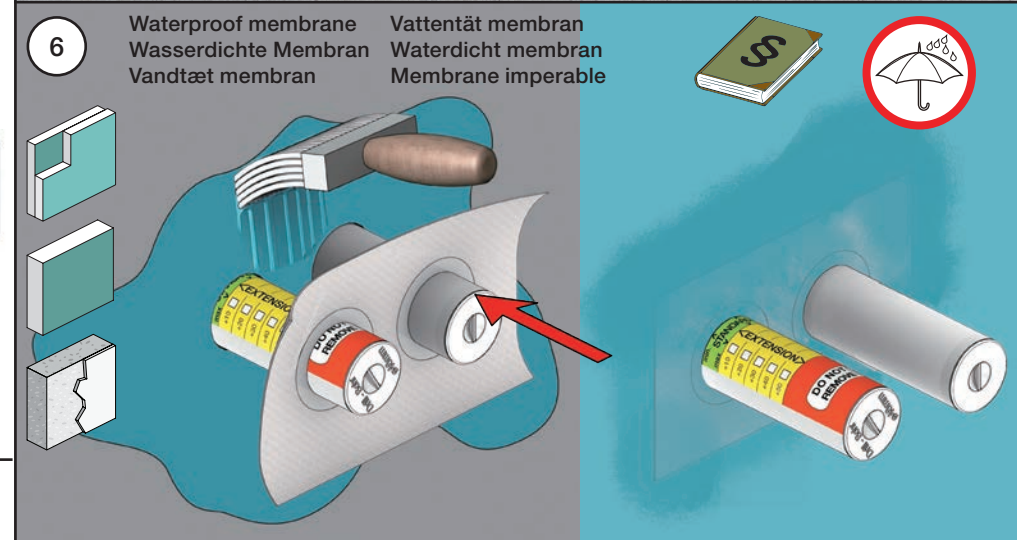
**3** Flush installation  
Installation Spülen  
Skyl installation  
Skölj installation  
Kraan doorspoelen  
Rincer l'installation



**5** Without membrane  
Ohne Membran  
Uden membran

Zonder membran  
Sans Membrane imperable  
Uten membran

Min. 3 mm  
Min. 3/32"



VOLA NR.41  
VOLA VR512  
VOLA 4002/L/V, 4003

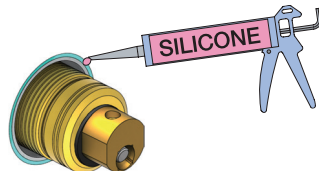
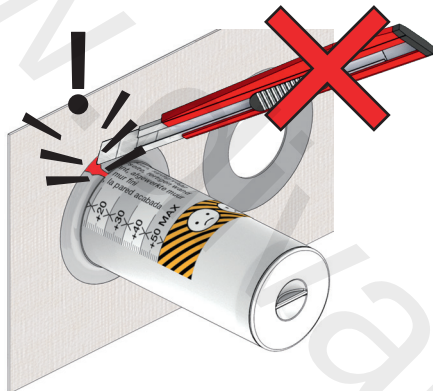
**Do not cut the membrane**  
**Die Membran nicht schneiden**  
**Skær ikke membranen**  
**Skär inte membranet**  
**Snij het membraan niet door**  
**Ne coupez pas la membrane**  
**No cortar la membrana**

NR.41:

1

VR512:  
4002/L/V:  
4003:

2



www.vola.com

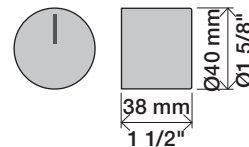
vola

mnt\_NR41\_40998512\_V1

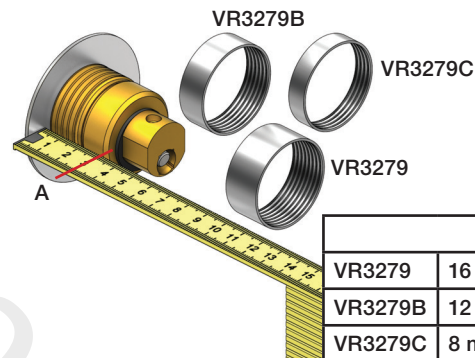


©VOLA A/S 5 705230 296593

NR 41

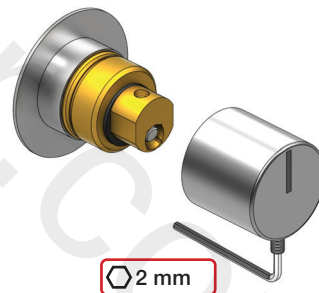


NR 41 - 1

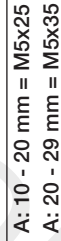


|         |       | A          |
|---------|-------|------------|
| VR3279  | 16 mm | 31 - 36 mm |
| VR3279B | 12 mm | 27 - 32 mm |
| VR3279C | 8 mm  | 23 - 28 mm |

NR 41 - 2



4002V  
4003



Tiles:  
Fliesen:  
Fliser:  
Fliser:  
Tegels:  
Carreau

VOLA Electronic

Elektronikboks

Valve box

Ventil Kasten

Ventilbox

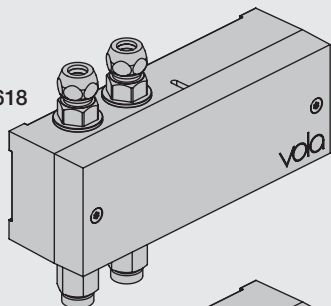
Ventiel doos

Boite étanche avec vanne

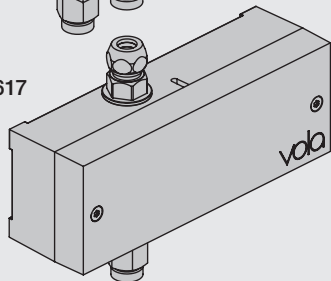


EU EMC directive  
2004/108/EU  
IPX4

VR2618



VR2617



www.vola.com

mnt\_Elektronikbox\_V10\_40999840  
17-03-2022

© VOLA A/S

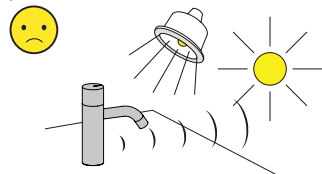


vola

| Settings:<br>Einstellung:                                                                           | Setting:<br>Justering: | Afstelling:<br>Réglage: |     |     |                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------|------------------------|-------------------------|-----|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                     | Sec.                   | 1                       | 2   | 3   | 4                                                                                                                                                                                                                                                      |
| DEFAULT SETTING:                                                                                    |                        | ON                      | ON  | ON  | ON                                                                                                                                                                                                                                                     |
| ON                                                                                                  | 0                      | ON                      | ON  | ON  | <b>ON = 20 sec.</b><br>- hygienic rinse every 24h.<br>- hygienische spülung jede 24 stunde.<br>- hygiejneskyl 24t efter sidste brug.<br>- hygienisk skölja varje 24 timmar.<br>- hygiénisch spoelen iedere 24 uur.<br>- Rinçage hygiénique chaque 24h. |
| OFF                                                                                                 | 3                      | ON                      | OFF | ON  |                                                                                                                                                                                                                                                        |
|                                                                                                     | 5                      | ON                      | OFF | OFF |                                                                                                                                                                                                                                                        |
|                                                                                                     | 8                      | OFF                     | ON  | ON  |                                                                                                                                                                                                                                                        |
|                                                                                                     | 10                     | OFF                     | ON  | OFF |                                                                                                                                                                                                                                                        |
|                                                                                                     | 15                     | OFF                     | OFF | ON  |                                                                                                                                                                                                                                                        |
|                                                                                                     | 20                     | OFF                     | OFF | OFF |                                                                                                                                                                                                                                                        |
| SPECIAL:<br>Long spout<br>Lange Auslauf<br>Langt udløb<br>Långt utlopp<br>Lange uitloop<br>Long bec | *0                     | ON                      | ON  | OFF |                                                                                                                                                                                                                                                        |

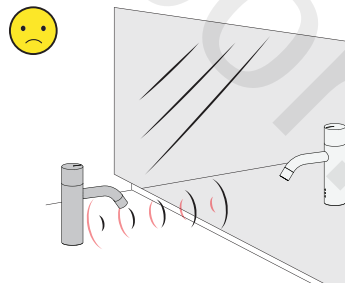
installation requirements:  
Installationsanforderungen:

Sunlight or light from halogen lamps can shorten the signal range.  
Sonnenlicht oder Licht von Halogenlampen können das Signal verkürzen.  
Skarpt sollys eller halogenlys, kan forkorte rækkevidden.  
Starkt sollys eller halogenbelysning kan forkorta signalen/känsligheten.  
Directe lichtinval van de zon of van halogeen lampen kan het signaal verkorten.  
La lumière du soleil ou des lampes à halogène peut perturber le fonctionnement du détecteur.

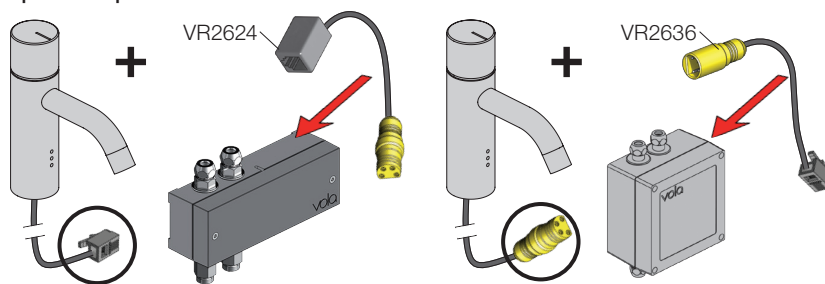


Krav til installation:  
Installationskrav:

No mirroring surfaces opposite the sensor.  
Keine spiegelnden Flächen vor dem Sensor.  
Ingen reflekterende overflader modsat sensoren.  
Inga speglade ytor motsatta sensorn.  
Geen spiegelen oppervlakken tegenover de sensor.  
Pas de surfaces réfléchissantes opposées du capteur.



Adapter/ Adapteur VR2624 & VR2636



**DC Power supply**  
DC Stromversorgung

**DC strømforsyning**  
DC Nätaggregat

**DC voeding**  
Alimentation électrique

VR2622: ROW & GB 110 - 230V~/50-60Hz  
VR2626: EU 9V~/300 mA  
VR2623, IPX5: 100 - 240V~/50-60Hz/130mA  
9V~/660 mA

VR2622-VR2623-VR2626  
VR2624-VR2636:  
To be ordered separately  
Separat bestillen  
Bestilles særskilt  
Beställas separat  
Apart te bestellen  
À commander séparément

VR2622/VR2626: 2 m  
VR2623, IP64: 1 m

**Battery operation**  
Batteriebetrieb

**Batteridrift**  
Batteridrift

**Batterij bedrijf**  
Fonctionnement sur batterie

2 x 1.5V AA - FR6 - FR6

Batteries **MUST** be removed if operated by Power supply.  
Batterien **MÜSSEN** bei Stromversorgung entfernt werden.  
Batterierne **SKAL** fjernes ved brug af strømforsyning.  
Batterier **SKAL** tas bort om der anvendes nätaggregat.  
Batterijen **MOETEN** worden verwijderd als ze op netvoeding werken.  
Les piles **DOIVENT** être impérativement retirées si on utilise l'alimentation électrique.

VR2618

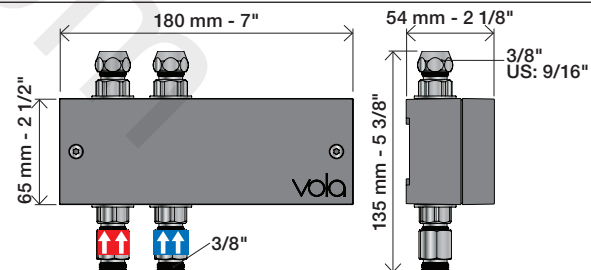
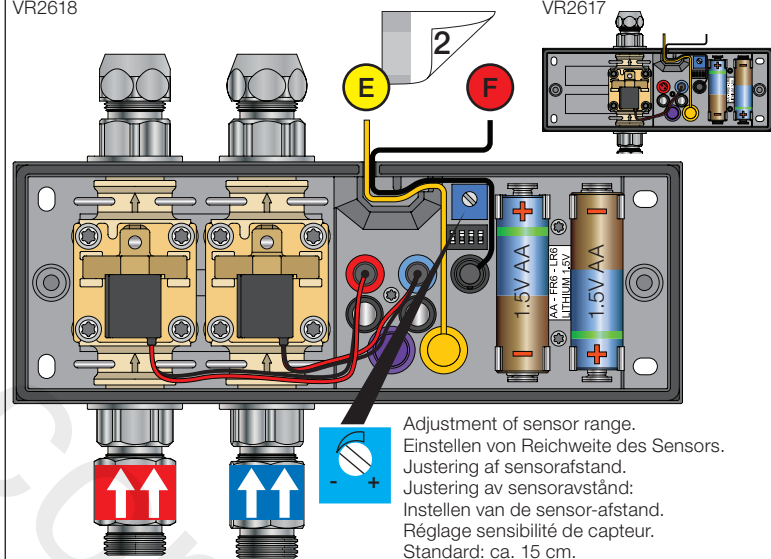


Fig. 1

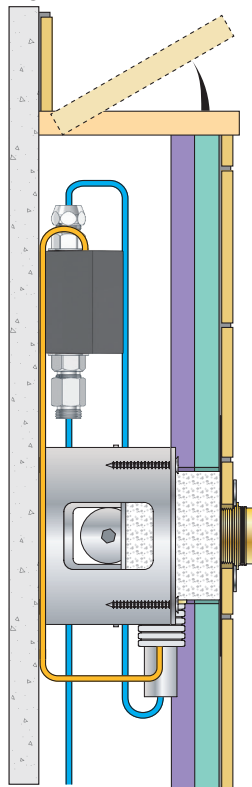


Fig. 2

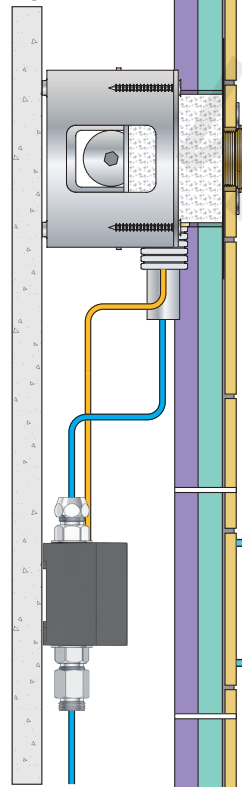
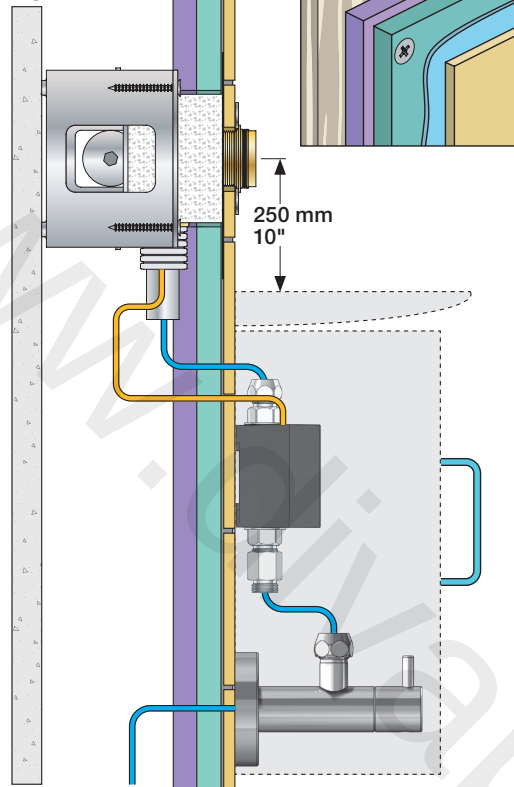
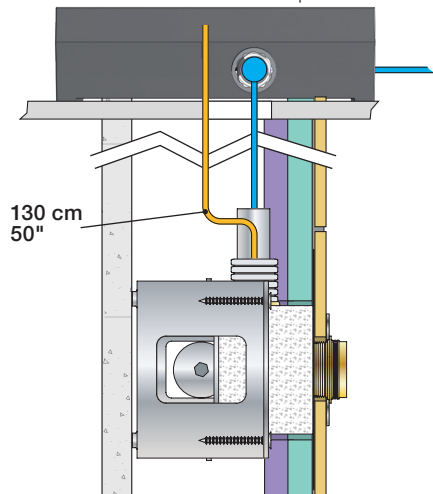


Fig. 3

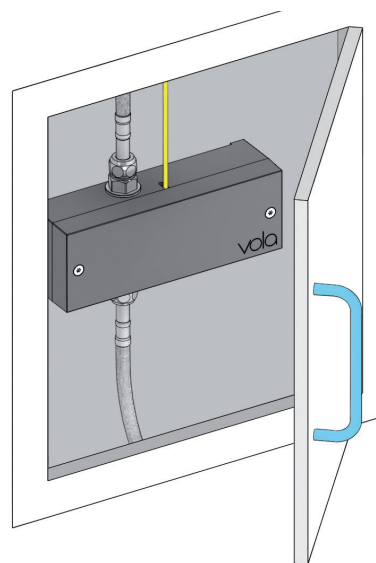


**Fig. 4** Ceiling mounted  
Deckenmontage  
Loftmonteret



Takmonterad  
Plafondmontage  
Monté au plafond

Fig. 5



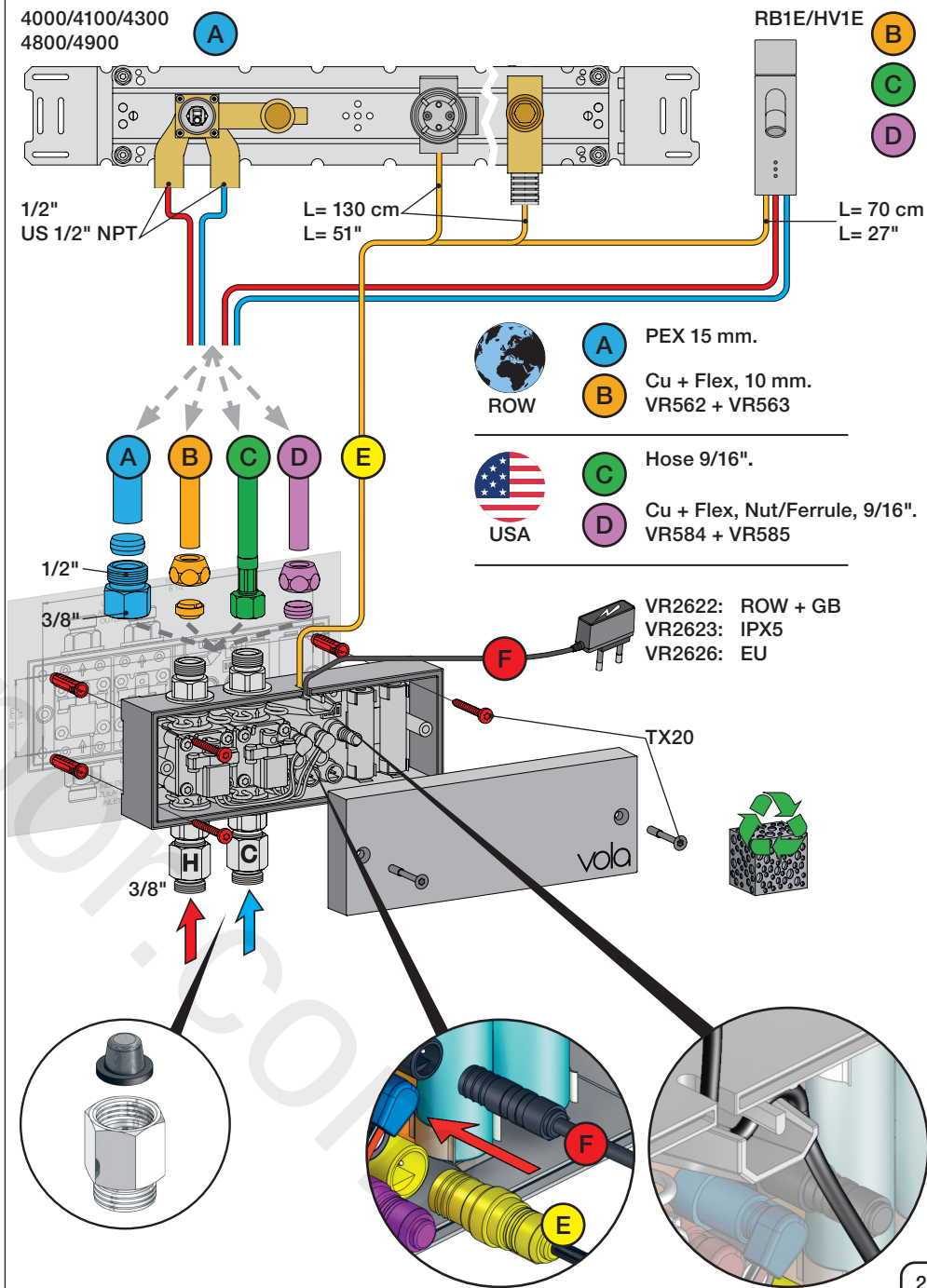
Wiring diag  
Schaltplan

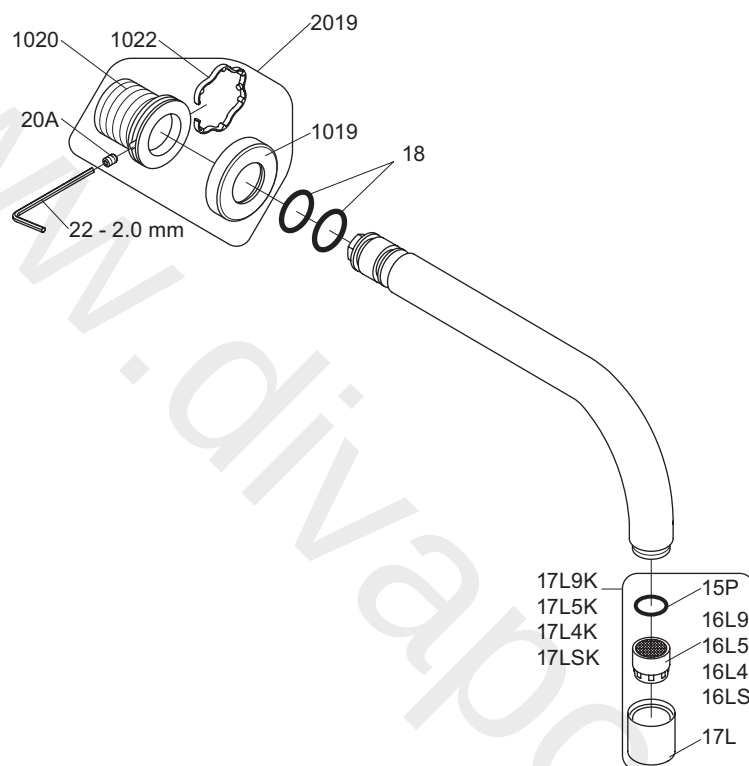
4000/4100/4300  
4800/4900

Ledningsdiagram  
kopplingsschema

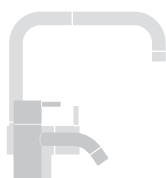
**A**

Aansluitschema  
Schéma de câblage





VR17L9K: VR15P, VR16L9, VR17L  
 VR17L5K: VR15P, VR16L5, VR17L  
 VR17L4K: VR15P, VR16L4, VR17L (US Standard)  
 VR17LSK: VR15P, VR16LS, VR17L  
 VR1020K: VR20A, VR22, VR1020, VR1022  
 VR2019: VR20A, VR22, VR1019, VR1020, VR1022



**vola**

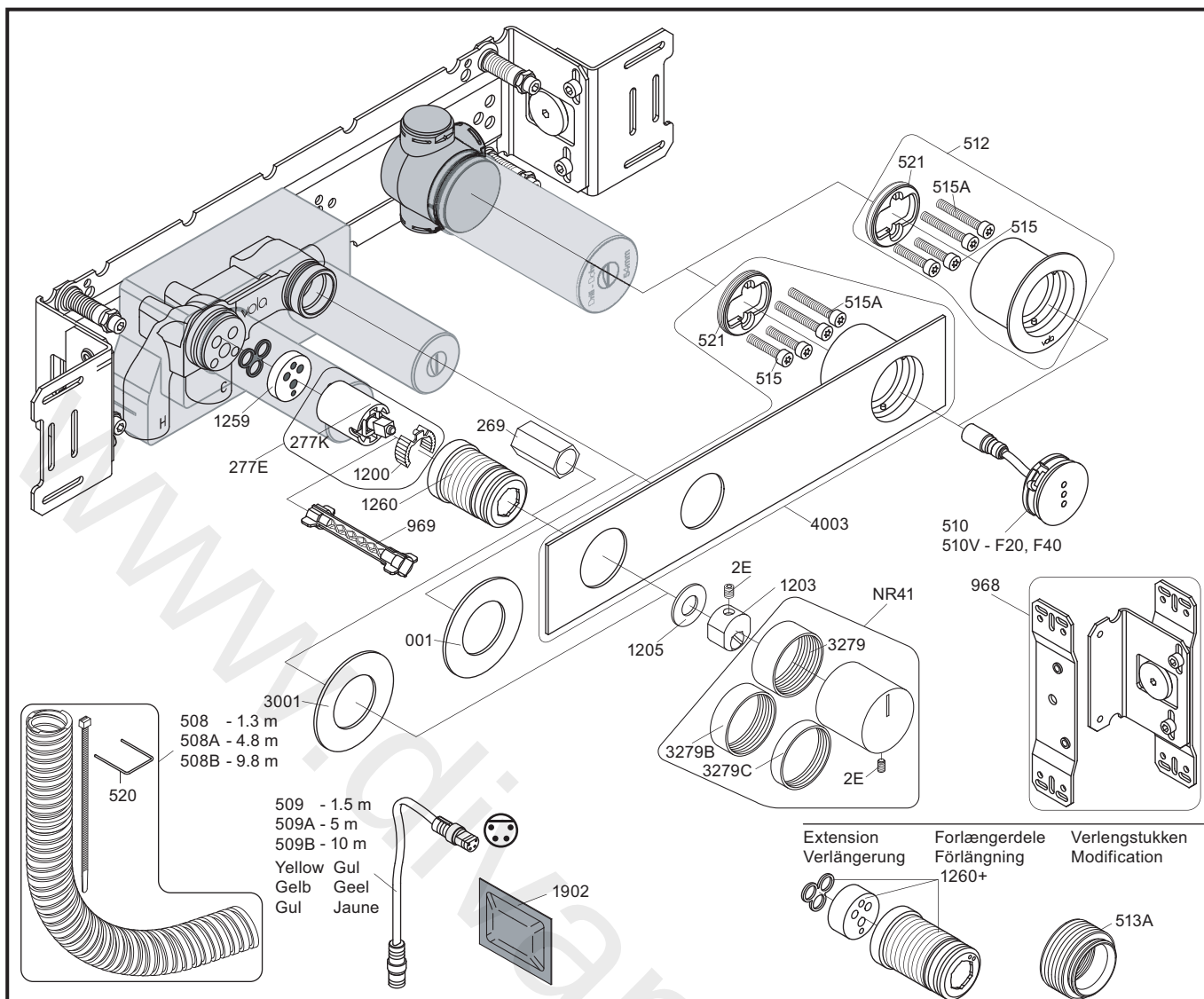
Lunavej 2  
 DK-8700 Horsens  
 Tlf : + 45 7023 5500  
 sales@vola.com  
 www.vola.com

**VOLA 010 / 020**

Date  
 Apr. 21

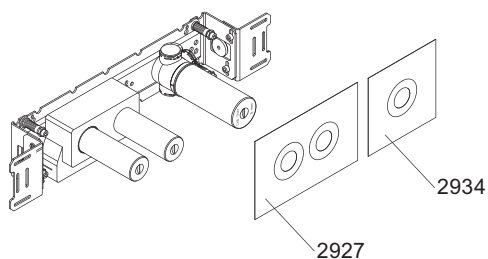
Rev.  
 3

Sheet  
 SB11

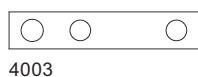
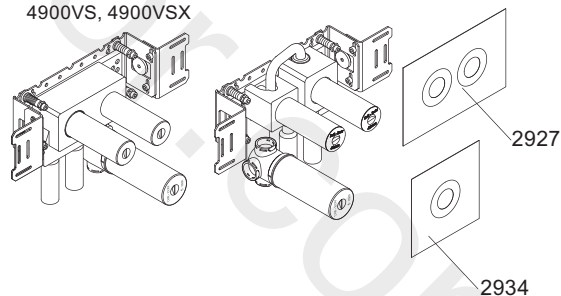


NR12A: VR2E, VR1202A  
 VR277E: VR277, VR1200  
 VR512: 2xVR515, 2xVR515A, VR521  
 VR4003: 2xVR515, 2xVR515A, VR521

4900



4900VS, 4900VSX



4003



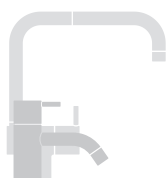
-



3001, 001, 512



3001, 001, 512



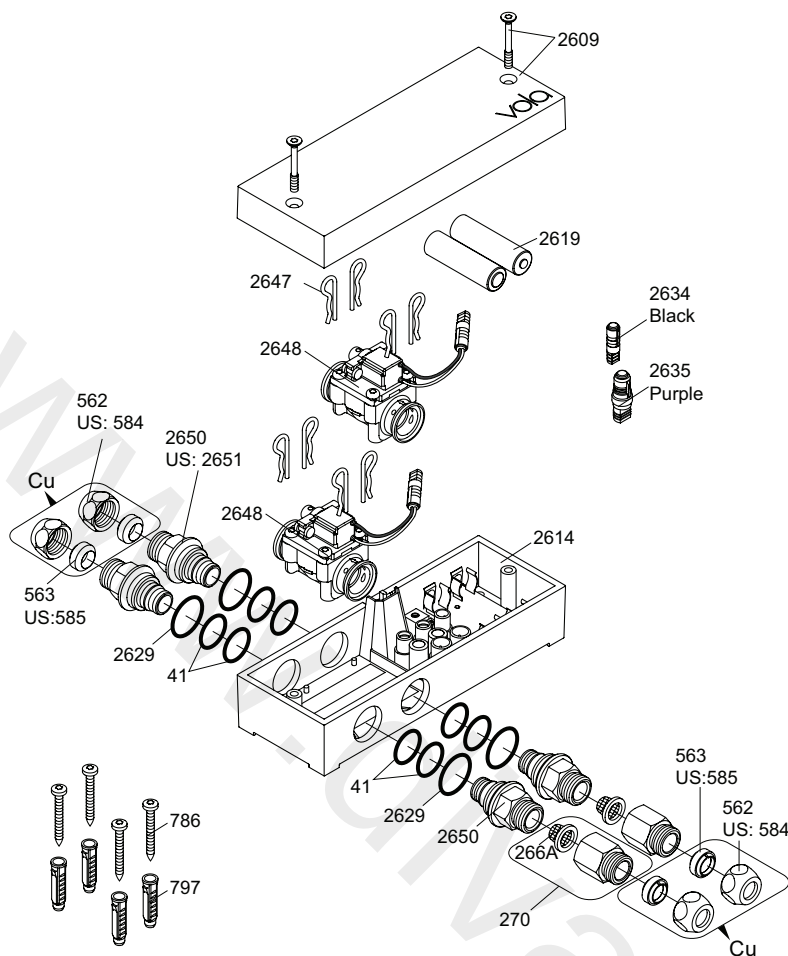
**vola**  
 Lunavej 2  
 DK-8700 Horsens  
 Tlf : + 45 7023 5500  
 sales@vola.com  
 www.vola.com

**VOLA 4900**  
 4900VS, 4900VSX

Date  
 Apr. 21

Rev.  
 2

Sheet  
 SB 40.49



VR2650: 2xVR41, VR2652, VR2629  
 VR2651: 2xVR41, VR2652, VR2629 (USA)  
 VR2654: 4xVR2647, VR2648, 2xVR2650, 2xVR266A

# **Additional parts** **Zusätzliche Teile** **Supplernde dele** **Ytterligare delar**

Remote control  
 Fernbedienung  
 Fjernbetjening  
 Fjärrkontroll

Afstandsbediening  
 Contrôle à distance  
 Telemando  
 2625

Power supply  
 Netzteil  
 Strømforsyning  
 Strömförsörjning

Stroomvoorziening  
 Alimentation  
 Convertidor adaptador

2622: ROW&GB  
 2626: EU

| Type: | EU  | GB  | US  | AUS |
|-------|-----|-----|-----|-----|
|       | • • | • • | • • | • • |

2623: IPX5

Extension  
 2639 - 5 m  
 2645 - 10 m

Black Svart  
 Schwartz Zwart  
 Sort Noir

Signal cable  
 Signalkabel

Signaalkabel  
 Câble de signal  
 Cable de señal

41XX, 49XX:  
 509 - 1.5 m  
 509A - 5 m  
 509B - 10 m

RB1E, HV1E:  
 2656 - 1.5 m

Yellow  
 Gelb  
 Gul  
 Gul  
 Geel  
 Jaune

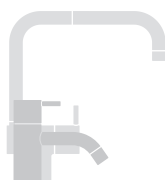
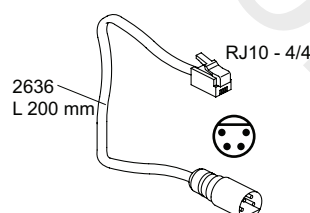
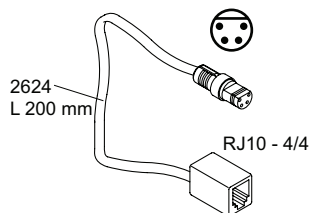
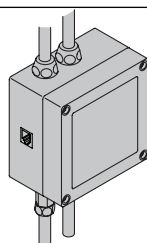
247  
 L 500 mm

US: 2601\$  
 L 500 mm

Cu: 221:  
 Ø10 mm  
 L 350 mm

Adapter  
 Adapteur

Discontinued model  
 aufgeföhrte Modell  
 Udgået model  
 Avvecklad modell  
 Beändigde model  
 Modèle discontinuée



**vola**  
 Lunavej 2  
 DK-8700 Horsens  
 Tlf : + 45 7023 5500  
 sales@vola.com  
 www.vola.com

**VOLA VR2618**  
**HV1E/4100/4900**

Date:  
 Feb. 23

Rev.:  
 2

Sheet:  
**SB21.16**