

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

Fitting instruction  
 Montageanleitung  
 Monteringsvejledning  
 Monteringsvægledning  
 Montage hanleiding  
 Manuel de montage



04/00026  
 04/00101  
 04/00175  
 04/00298

**010, 020**

**010C, 020C**

**030**

**040**

**040D**

www.vola.com

mnt\_010\_V1\_40998360  
 02-10-2023



5 705230 341750

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



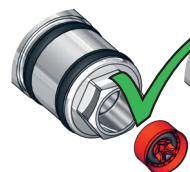
VR161K



VR161D



VR161F

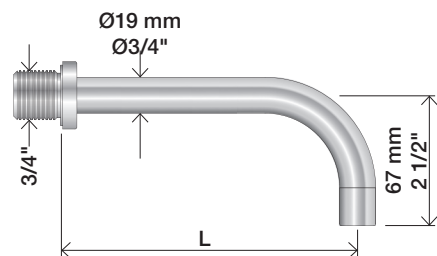


For more water saving possibilities please see:  
 Weitere Wassersparmöglichkeiten finden Sie auf:  
 For flere vandbesparende muligheder se venligst:  
 För mer vattenbesparande möjligheter hänvisas till:  
 Voor meer waterbesparende mogelijkheden zie:  
 Pour plus d'informations sur les options : économie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

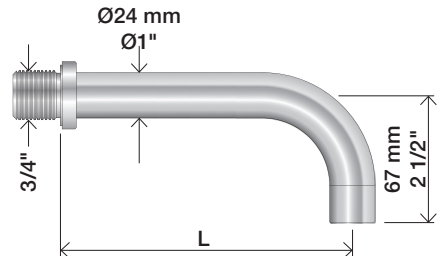
[www.vola.com](http://www.vola.com)



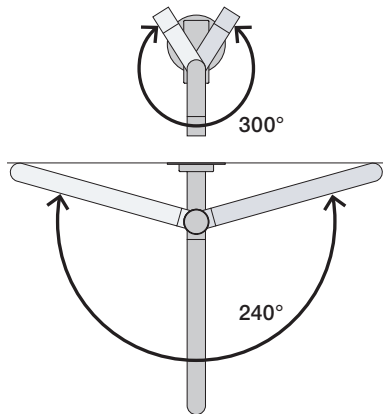
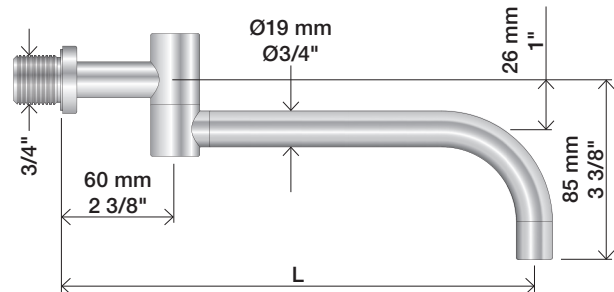
**010, 020**



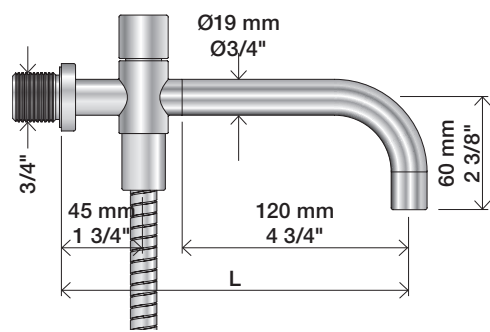
**010C, 020C**



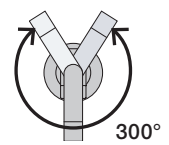
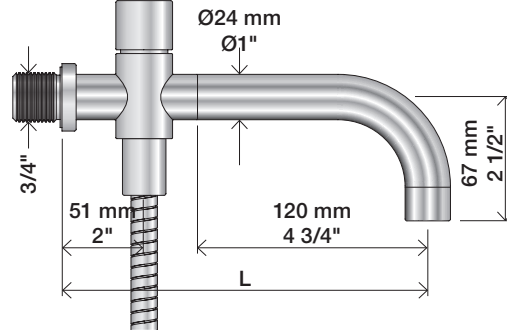
**030**



**040**



**040D**



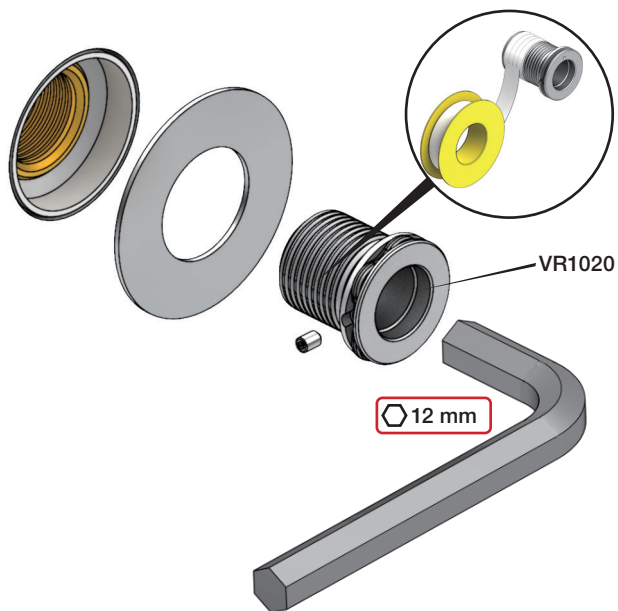
|            | L (mm) | L (Inch) |
|------------|--------|----------|
| 010(C)/100 | 100    | 4"       |
| 010(C)/130 | 130    | 5"       |
| 010(C)/160 | 160    | 6"       |
| 020(C)/200 | 200    | 7 3/4"   |
| 020(C)/225 | 225    | 8 3/4"   |
| 020(C)/260 | 260    | 10 1/4"  |
| 020(C)/300 | 300  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

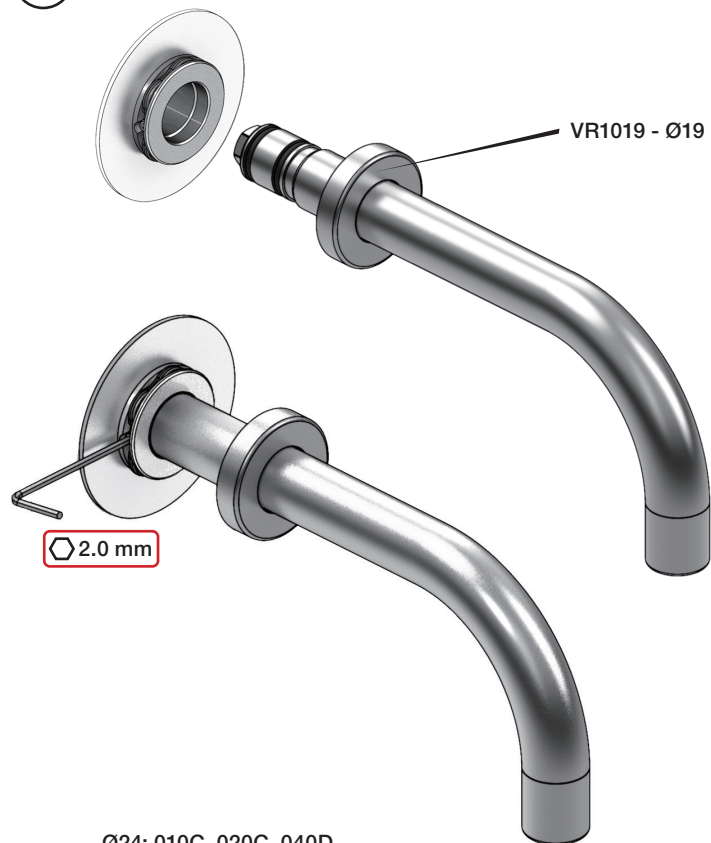


2

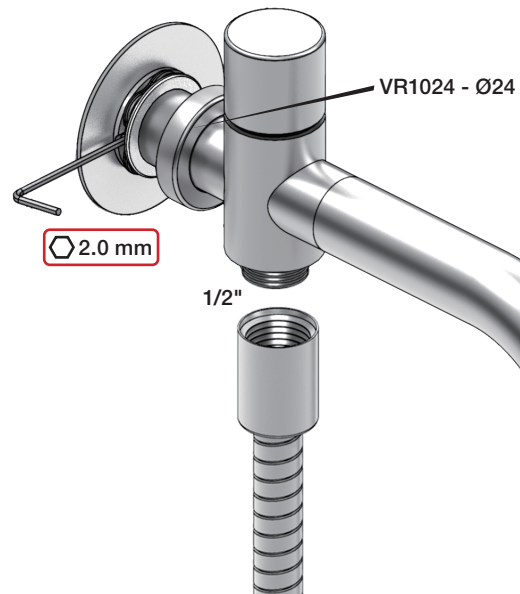
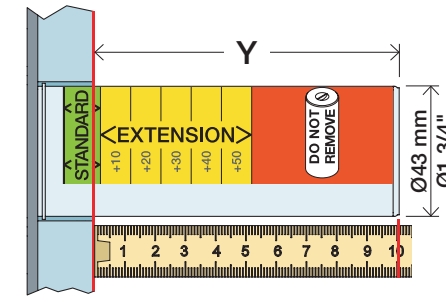
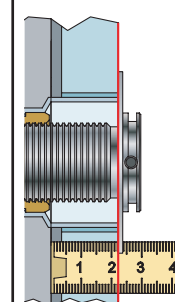


3

Ø19: 010, 020, 030, 040

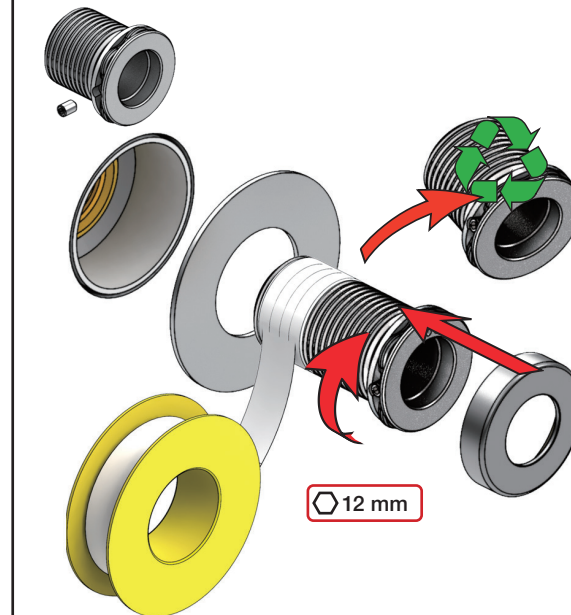


Ø24: 010C, 020C, 040D

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

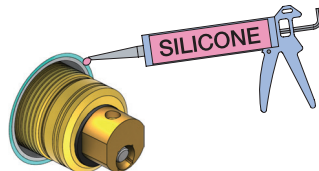
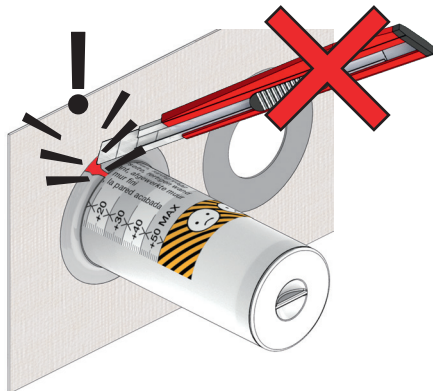
**Do not cut the membrane**  
**Die Membran nicht schneiden**  
**Skær ikke membranen**  
**Skär inte membranet**  
**Snij het membraan niet door**  
**Ne coupez pas la membrane**  
**No cortar la membrana**

NR.41:

1

VR512:  
4002/L/V:  
4003:

2



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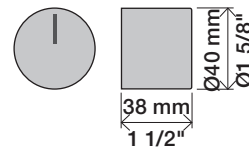
vola

mnt\_NR41\_40998512\_V1

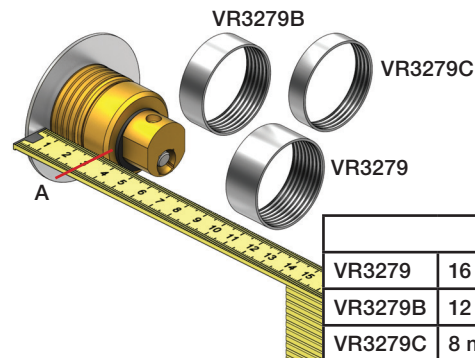


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NR 41

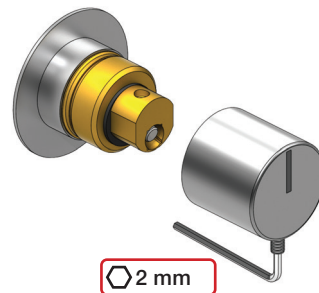


NR 41 - 1



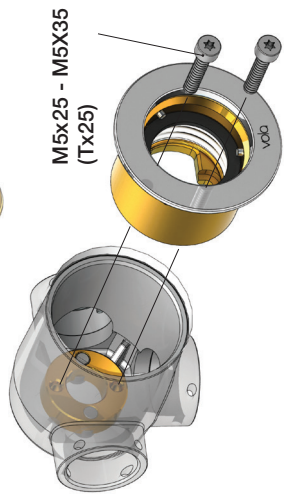
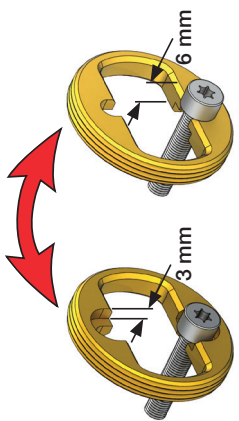
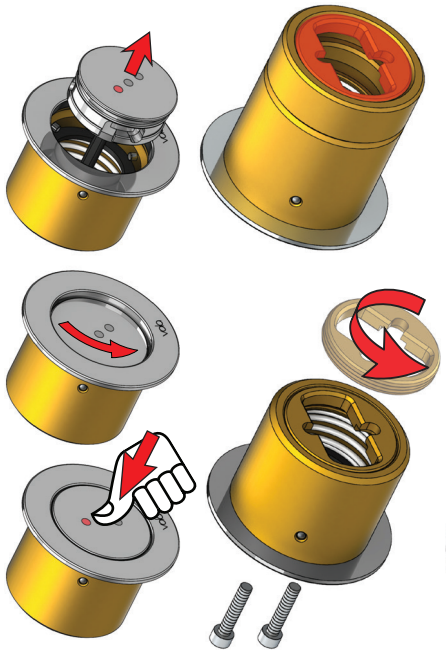
|         |       | A          |
|---------|-------|------------|
| VR3279  | 16 mm | 31 - 36 mm |
| VR3279B | 12 mm | 27 - 32 mm |
| VR3279C | 8 mm  | 23 - 28 mm |

NR 41 - 2

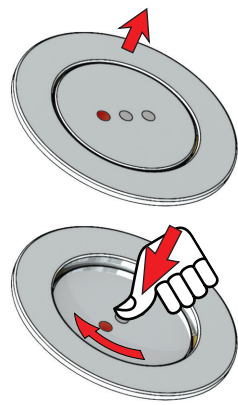
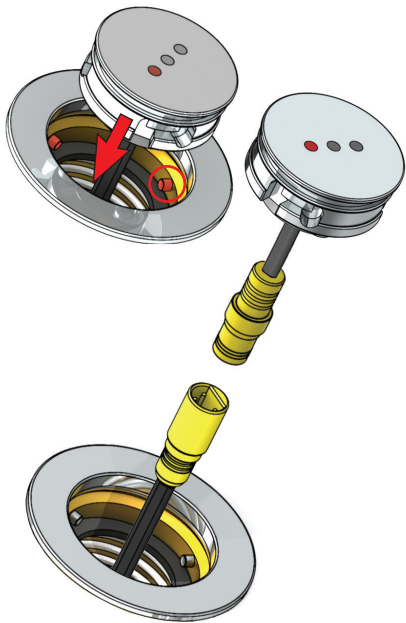
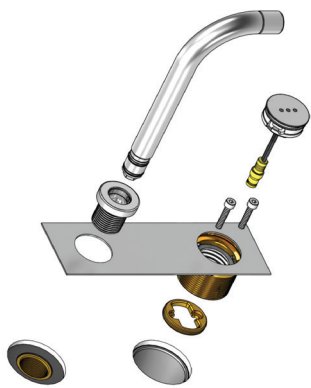


VR512  
4002L

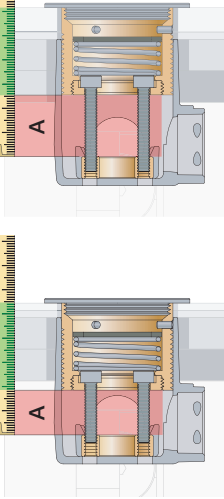
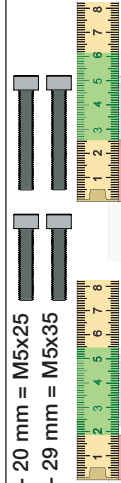
4002V  
4003



4002L/V:  
4003:



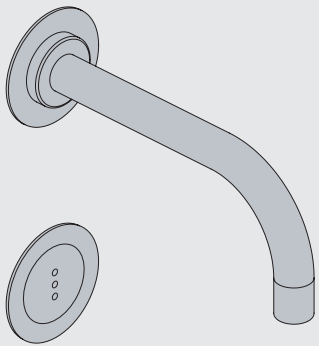
A: 10 - 20 mm = M5x25  
A: 20 - 29 mm = M5x35



| VR513A:                                                          |            | Standard   |    |    |
|------------------------------------------------------------------|------------|------------|----|----|
| Tiles:<br>Fliesen:<br>Fliser:<br>Fliser:<br>Tegels:<br>Carreaux: | 3 - 15 mm  | 15 - 25 mm | x1 |    |
|                                                                  | 15 - 25 mm | 25 - 35 mm |    | x2 |
|                                                                  | 25 - 35 mm | 35 - 45 mm |    | x3 |
|                                                                  | 35 - 45 mm | 45 - 55 mm |    |    |
|                                                                  | 45 - 55 mm | 55 - 65 mm |    |    |



Monteringsvägledning



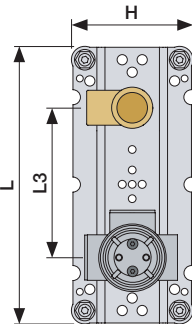
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SE\_4900\_V2\_40998367

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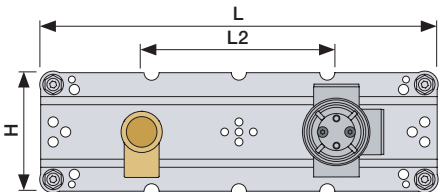


|   | L                 | L1               | L2               | L3               | H               |
|---|-------------------|------------------|------------------|------------------|-----------------|
| A | 220 mm<br>8 1/2"  |                  | -                | 120 mm<br>4 3/4" |                 |
| B | 318 mm<br>12 1/2" |                  | 156 mm<br>6 1/8" | -                |                 |
| C | 396 mm<br>15 1/2" | 78 mm<br>3 1/16" |                  |                  | 95 mm<br>3 3/4" |
| D | 220 mm<br>8 1/2"  |                  | -                | 120 mm<br>4 3/4" |                 |
| E |                   |                  |                  |                  |                 |

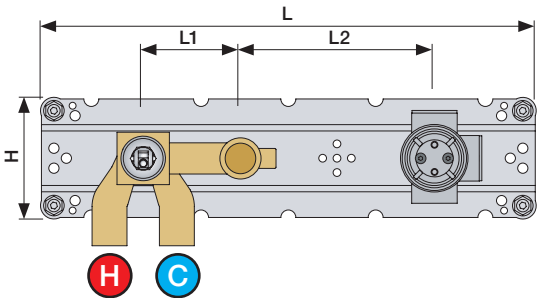
A 4300



B 4800



C 4900



**A**

**Data, 3 Bar/43.5 Psi:**

|       | l/min. | Gal/min. |
|-------|--------|----------|
| 4300: | 30.0   | 7.9      |
| 4800: | 30.0   | 7.9      |
| 4900: | 18.3   | 4.8      |

Max. 65°C, 150°F

**D** **Kabeldragning**

= Ø10 - 1/2"

=

=

Alt.:  
Förblandade vatten

**Installasjonsexempel: 4300:**

L = 130 cm  
L = 51"

VR2617

110-230VAC

Skvallerrör

**4800:**

L = 130 cm  
L = 51"

VR2617

110-230VAC

Skvallerrör

**4900:**

L = 130 cm  
L = 51"

VR2618

110-230VAC

Skvallerrör

**Förlängning**

Min. 15 mm  
Max 65 mm

Min. 48 mm  
Max. 110 mm

Min. 62 - 0 mm

STD +10 +20 +30 +40 +50

STANDARD <EXTENSION> DO NOT REMOVE

X 62 - 0 mm

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

|            | X    | VR1260/VR2019 | VR513A |
|------------|------|---------------|--------|
| 50 - 62 mm | Std. | Std.          |        |
| 40 - 50 mm | +10  |               | x1     |
| 30 - 40 mm | +20  |               |        |
| 20 - 30 mm | +30  |               | x2     |
| 10 - 20 mm | +40  |               |        |
| 0 - 10 mm  | +50  |               | x3     |

**Montering av förlängning**

VR1260+ VR2019+ VR513A

M5x25 - M5X35 (Tx25)

12 mm

**VR513A**

A: 10 - 20 mm = M5x25

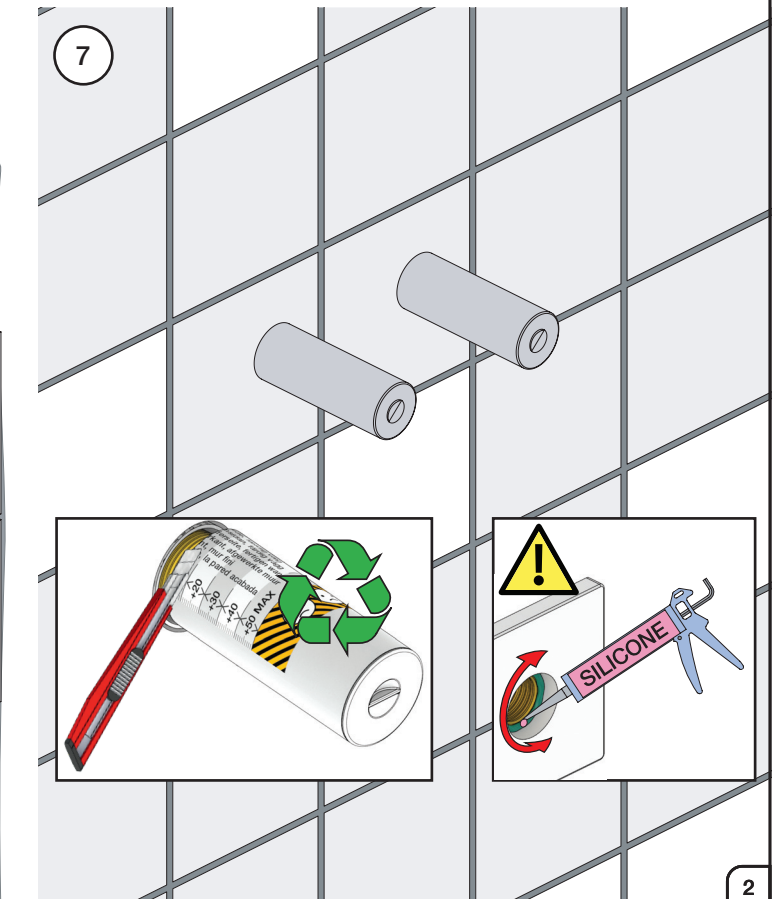
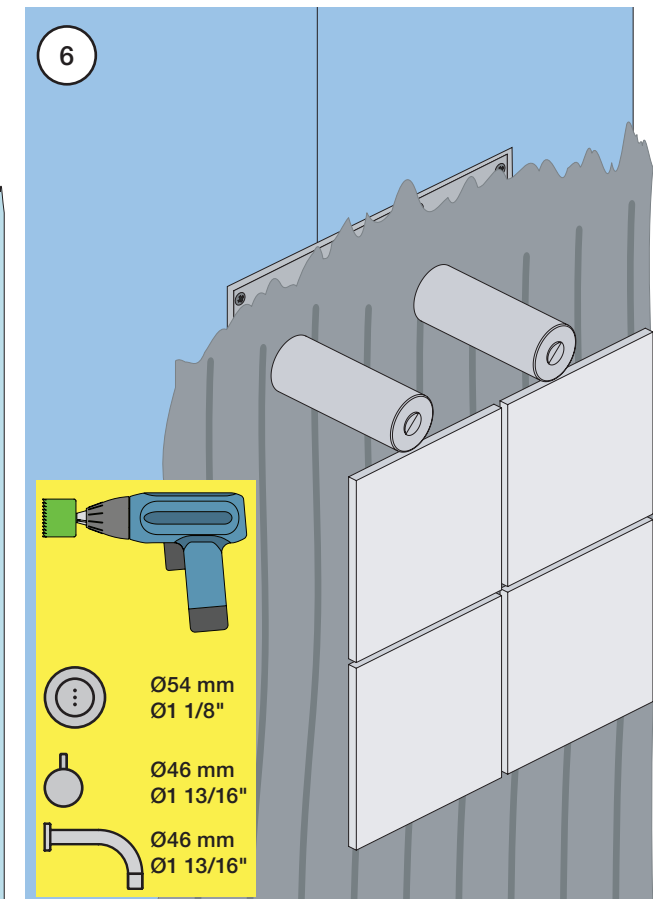
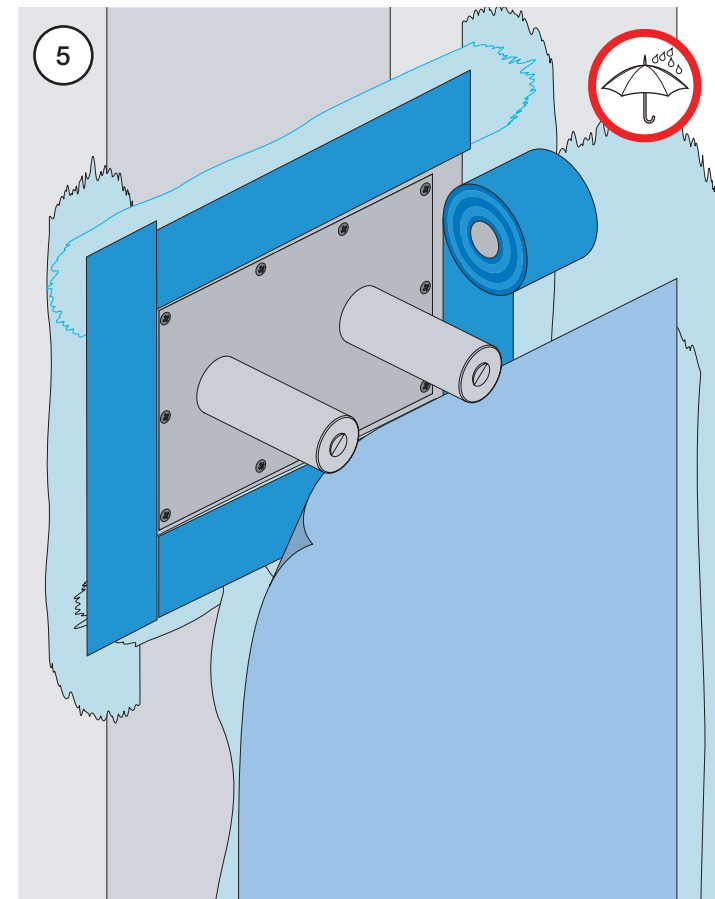
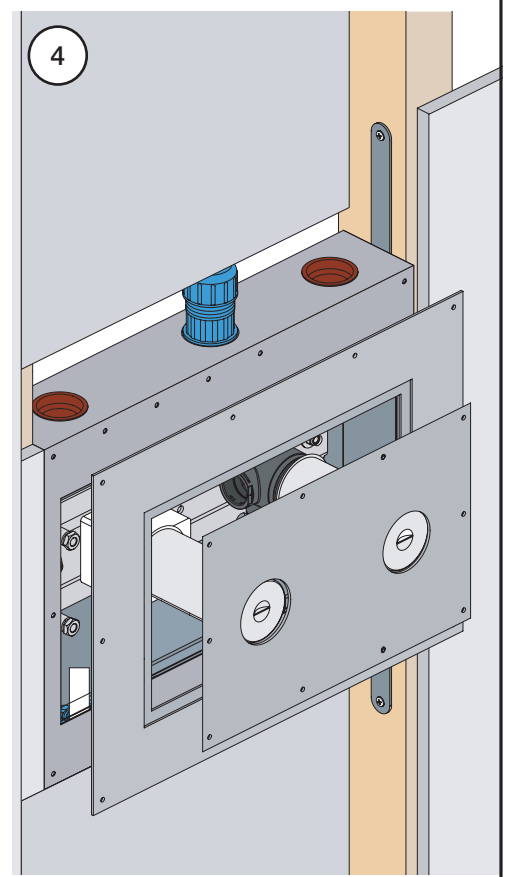
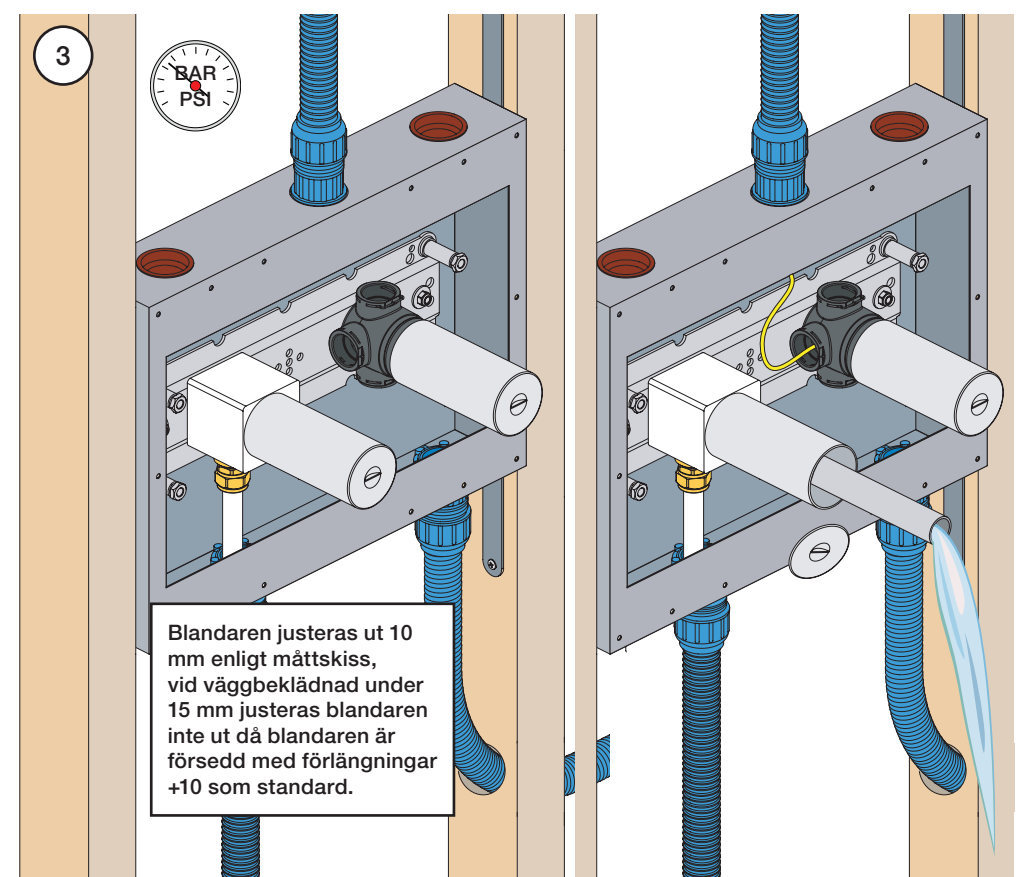
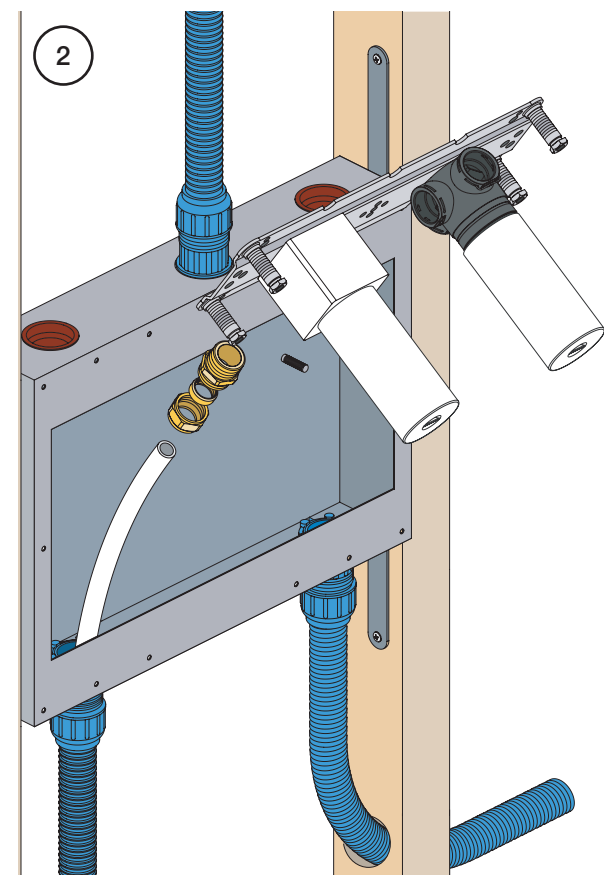
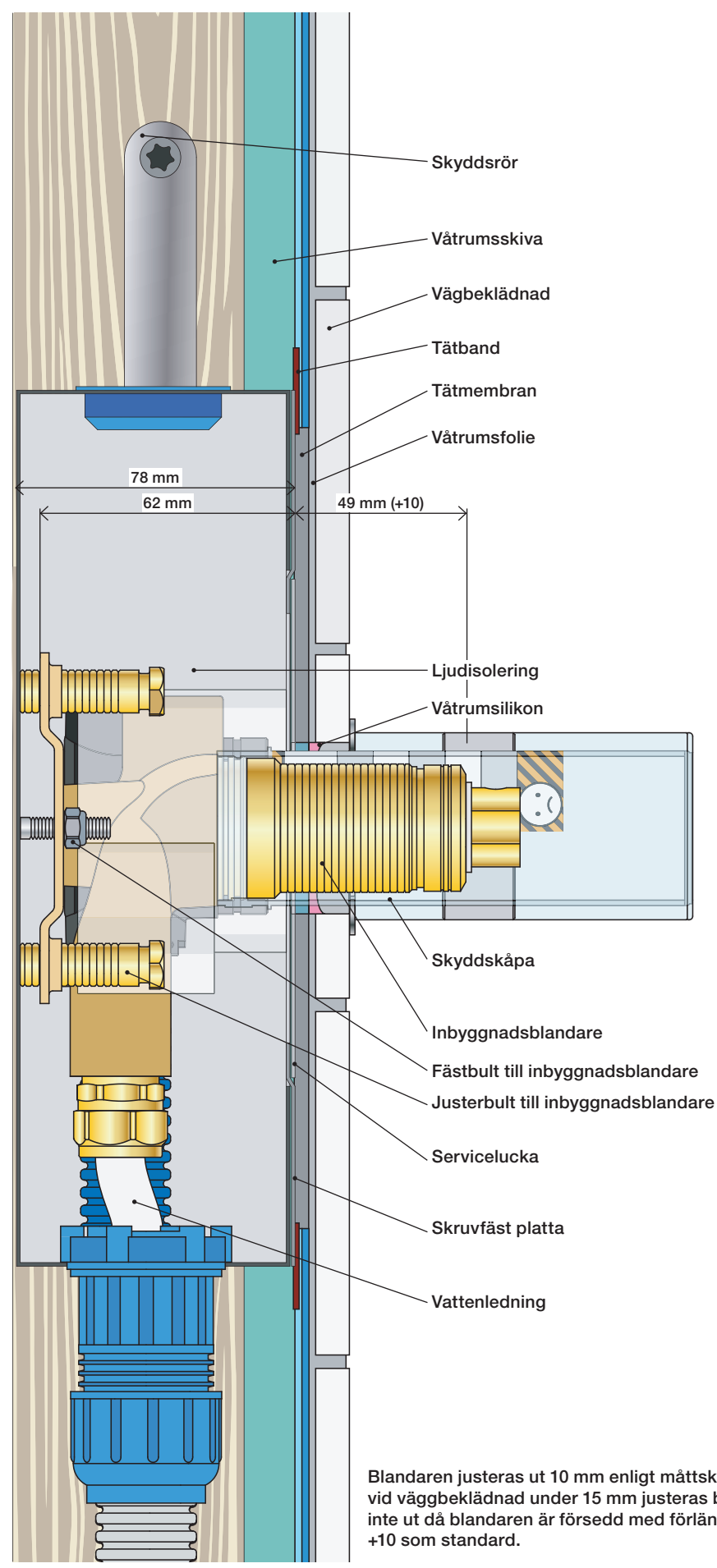
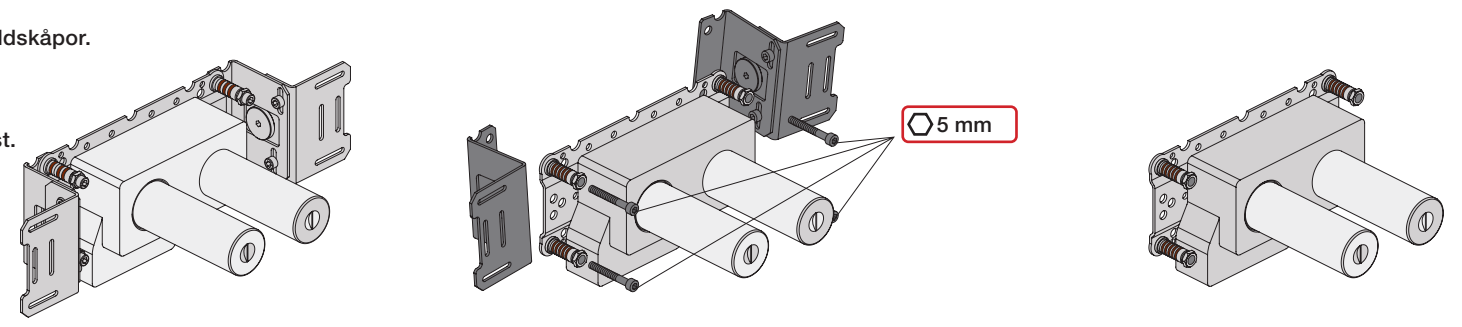
A: 20 - 29 mm = M5x35

3 mm 6 mm

A

1 Demontera sidofixturerna.  
Ta inte bort ljudisolering och Skyddskåpor.

NB.  
Boxen leveraras inte av VOLA.  
Utan köps genom ÅF eller Grossist.



Blandaren justeras ut 10 mm enligt måttskiss,  
vid väggbeklädnad under 15 mm justeras blandaren  
inte ut då blandaren är försedd med förlängningar  
+10 som standard.

VOLA Electronic

Elektronikboks

Valve box

Ventil Kasten

Ventilbox

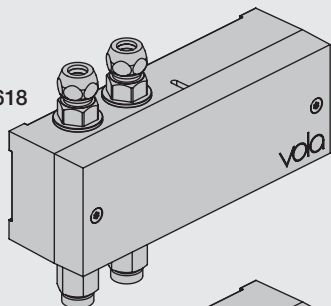
Ventiel doos

Boite étanche avec vanne

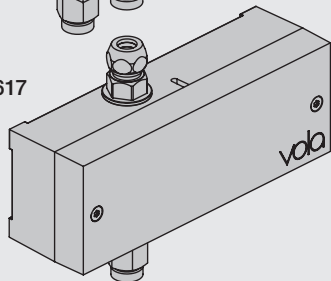


EU EMC directive  
2004/108/EU  
IPX4

VR2618



VR2617



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

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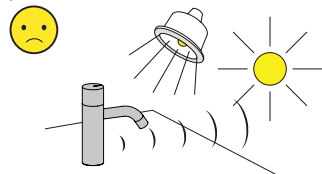


vola

| 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 |                                                                                                                                                                                                                                                        |

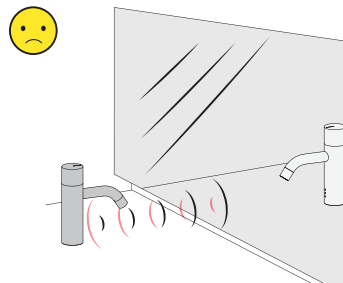
installation requirements:  
Installationsanforderungen:

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 förkorta 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.

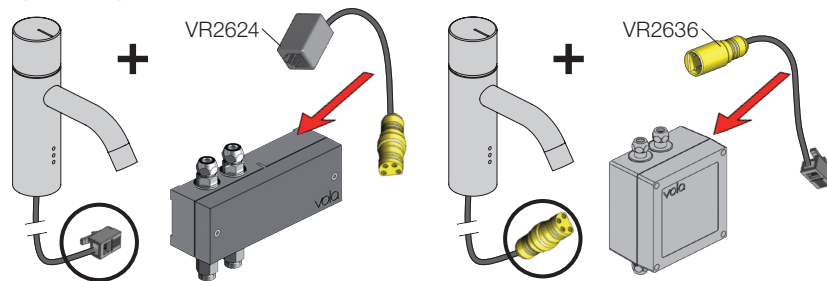


Krav til installation:  
Installationskrav:

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

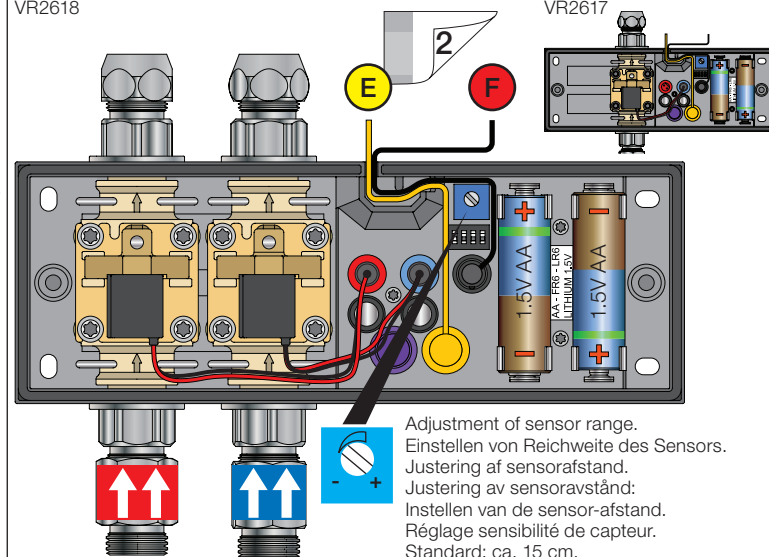
**Batteridrift**  
Batteridrift

**Batterij bedrijf**  
Fonctionnement sur batterie

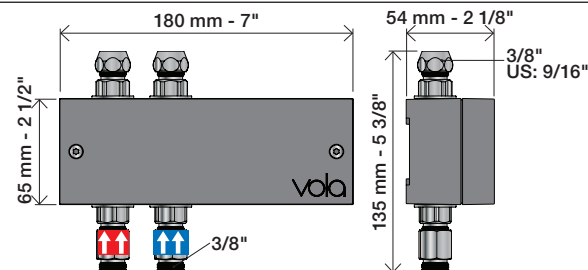
2 x 1.5V AA - FR6 - FR6

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

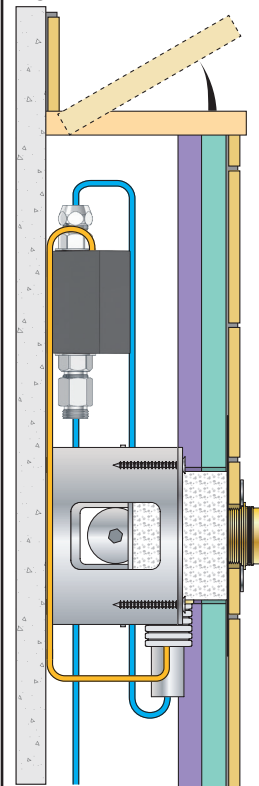


Adjustment of sensor range.  
Einstellen von Reichweite des Sensors.  
Justering af sensorafstand.  
Justering av sensoravstånd:  
Instellen van de sensor-afstand.  
Réglage sensibilité de capteur.  
Standard: ca. 15 cm.



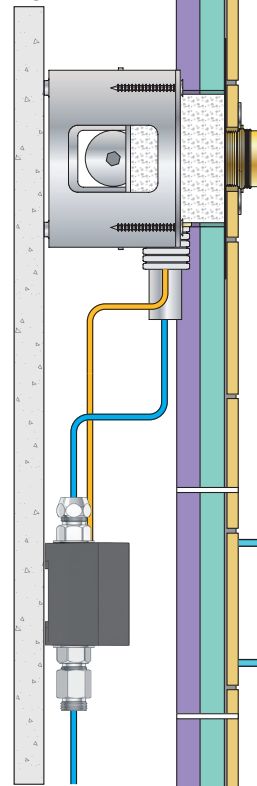
# Installation examples Installationsbeispiele

Fig. 1



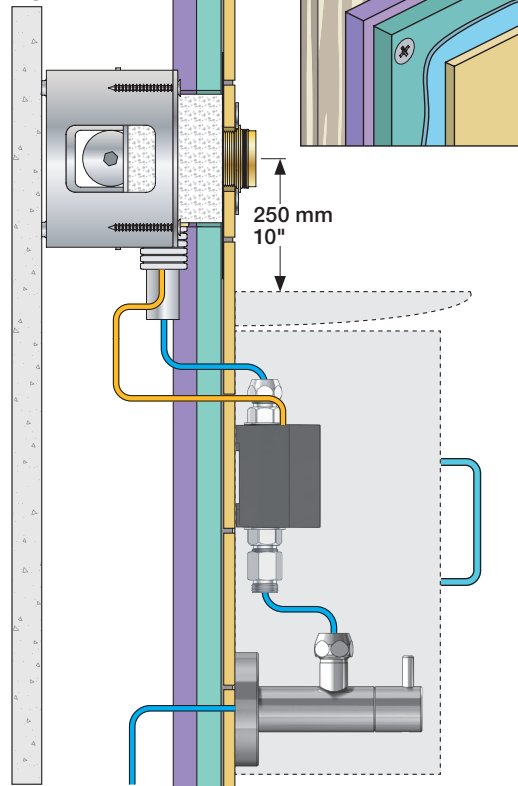
# Installationseksempler Installationsexemplar

Fig. 2



# Installatie voorbeelden l'installation des exemples

Fig. 3



# Fig. 4 Ceiling mounted Deckenmontage Loftmonteret

# Takmonterad Plafondmontage Monté au plafond

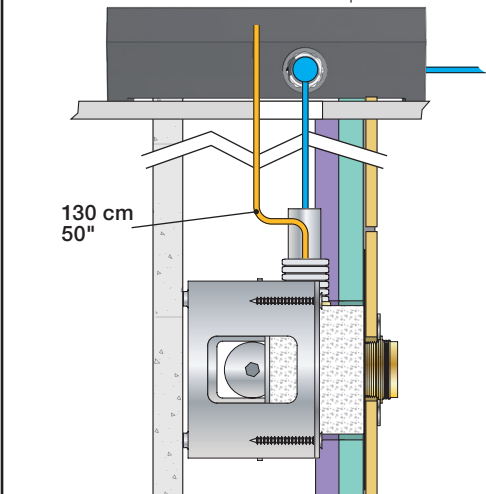
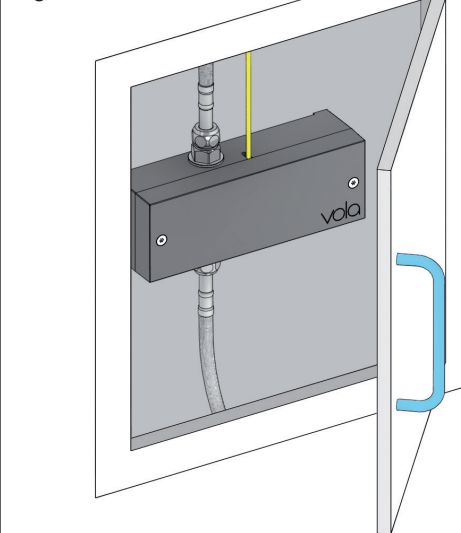


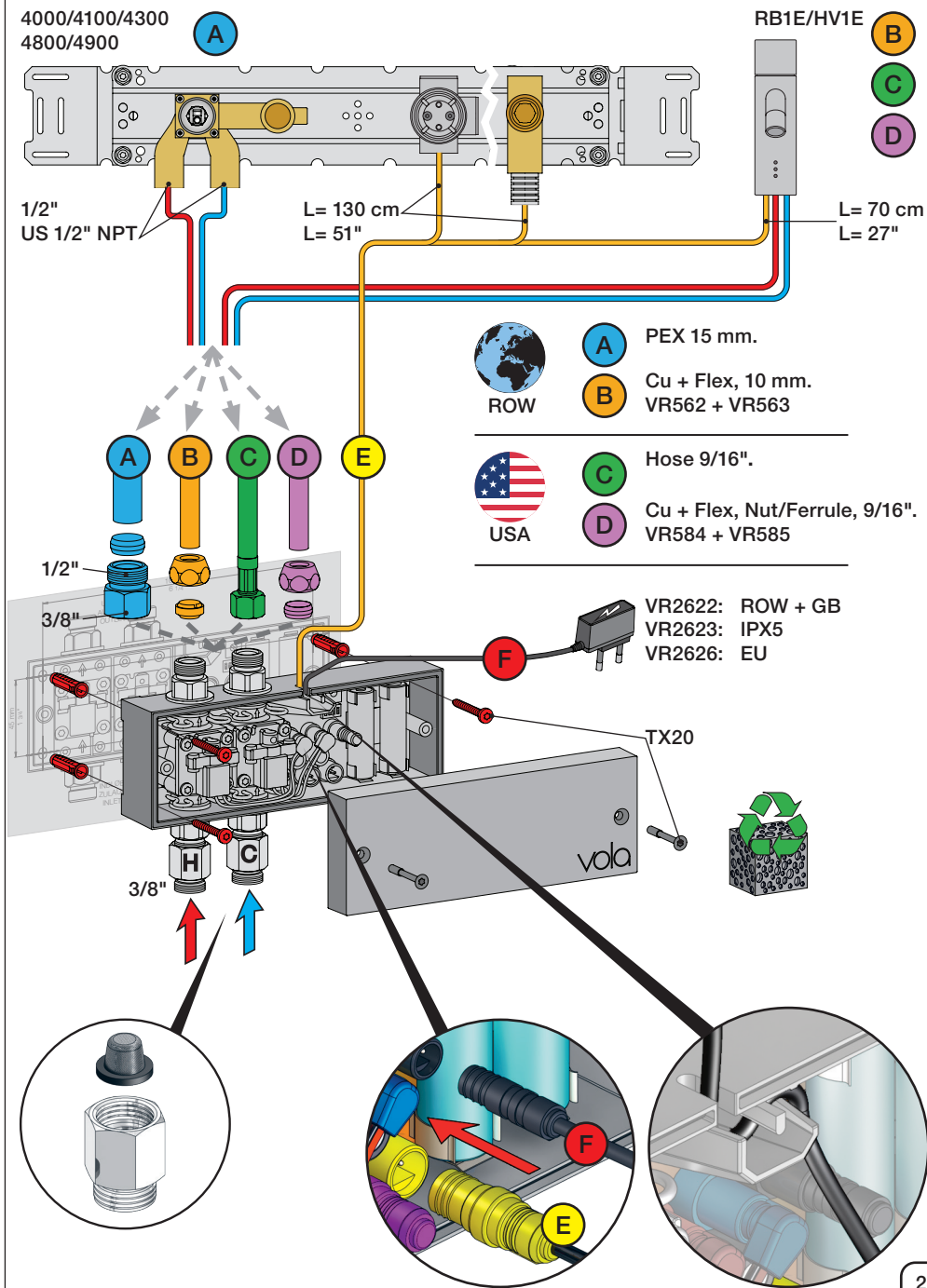
Fig. 5

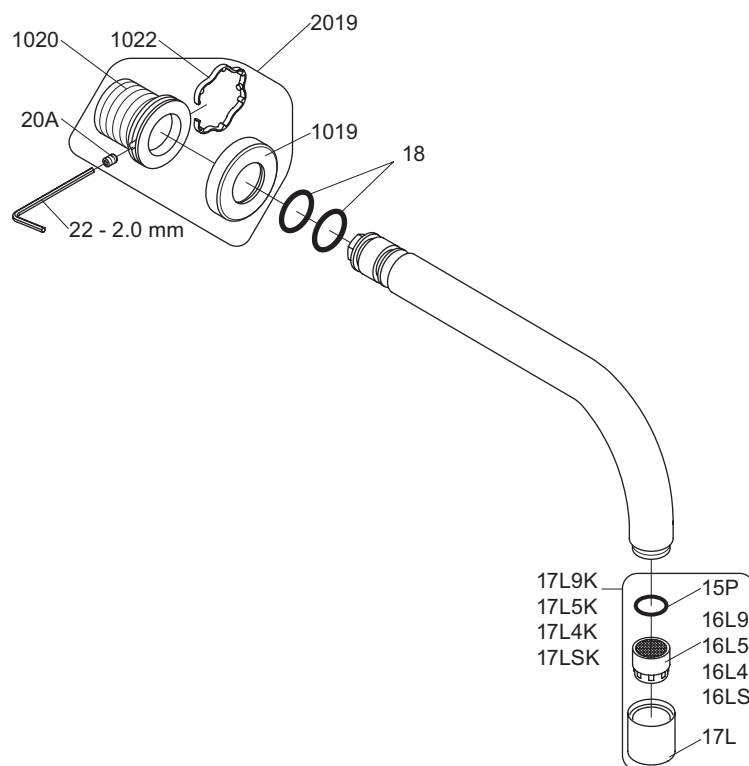


# Wiring diagram Schaltplan

# Ledningsdiagram kopplingschema

# 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



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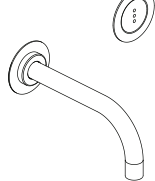
**VOLÅ 010 / 020**

Date  
Apr. 21

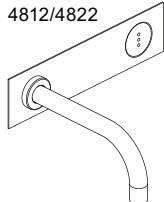
Rev.  
**3**

Sheet  
**SB11**

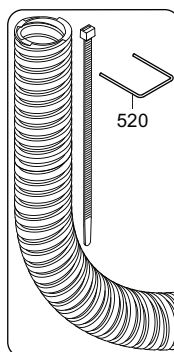
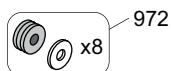
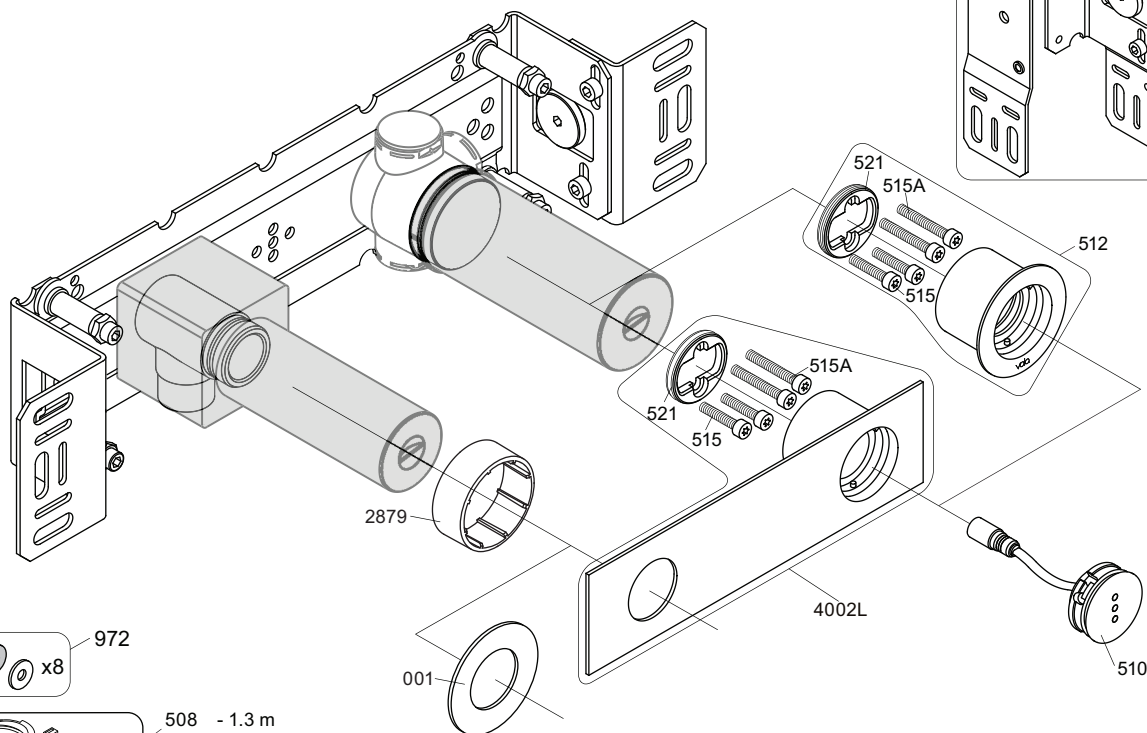
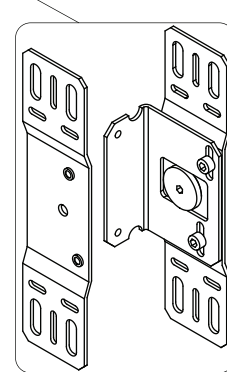
4811/4821



4812/4822

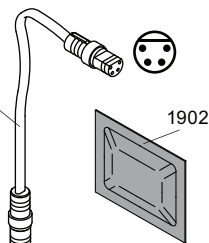


968



508 - 1.3 m  
508A - 4.8 m  
508B - 9.8 m

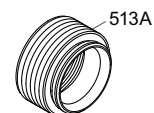
509 - 1.5 m  
509A - 5 m  
509B - 10 m  
Yellow Gul  
Gelb Geel  
Gul Jaune



Extension  
Verlängerung

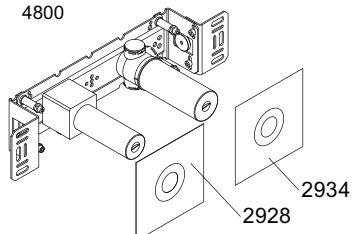
Forlængerdele  
Förlängning

Verlængstukken  
Modification



VR512: 2xVR515, 2xVR515A VR521  
VR4002L: 2xVR515, 2xVR515A VR521

4800



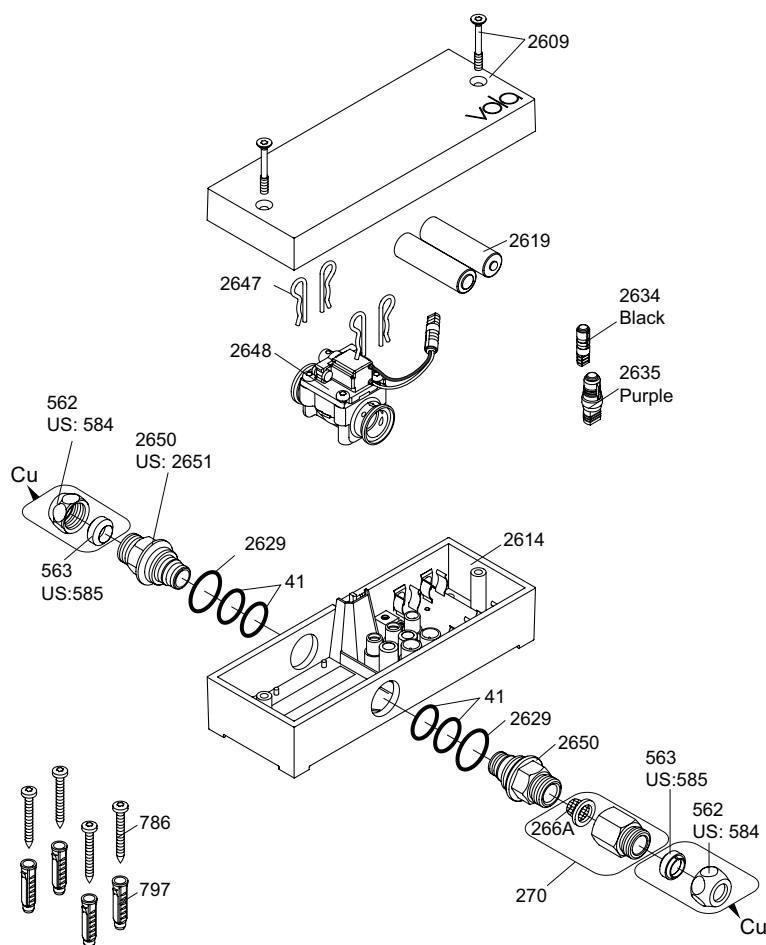
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# VOLA 4800

Date  
May 22

Rev.  
3

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SB 40.48



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

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

# **Extra onderdelen** **Pièces supplémentaires** **Las piezas adicionales**

Remote control  
 Fernbedienung  
 Fjernbetjening  
 Fjärrkontroll

Afstandsbediening  
 Contrôle à distance  
 Telemando

2625



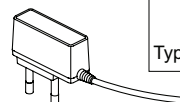
Power supply  
 Netzteil  
 Strømforsyning  
 Strömförsörjning

Stroomvoorziening  
 Alimentation  
 Convertidor adaptador



2622: ROW&GB  
 2626: EU

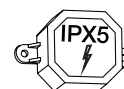
|       | EU | GB | US | AUS |
|-------|----|----|----|-----|
| Type: | C  | G  | A  | I   |



2623: IPX5

Extension

2639 - 5 m  
 2645 - 10 m



Black  
 Schwartz  
 Sort

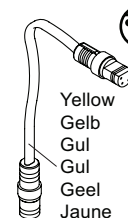
Svart  
 Zwart  
 Noir

Signal cable  
 Signalkabel

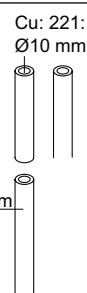
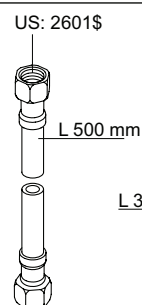
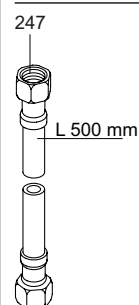
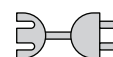
Signaalkabel  
 Câble de signal  
 Cable de señal



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

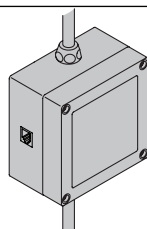


RB1E, HV1E:  
 2656 - 1.5 m



Adapter  
 Adapteur

Discontinued model  
 aufgehörte Modell  
 Udgået model  
 Avvecklad modell  
 Beëindigde model  
 Modèle discontinué



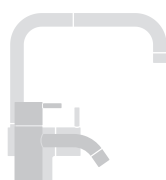
2624  
 L 200 mm



RJ10 - 4/4

2636  
 L 200 mm

RJ10 - 4/4



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**VOLA VR2617**  
**RB1E/4300/4300/4800**

Date:  
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 2

Sheet:  
**SB21.16**