

# GOLD SD

Air Handling Unit

## INSTALLATION INSTRUCTIONS



EN - Installation instructions  
SE - Installationsanvisning  
DE - Installationsanleitung  
FR - Instructions d'installation  
NO - Installasjonsanvisning  
DK - Installationsanvisning  
FI - Asennusohje  
PL - Instrukcja instalacji  
RU - Инструкция по монтажу  
ES - Instrucciones de instalación  
IT - Istruzioni per l'installazione  
PT - Instruções de instalação  
NL - Installatie instructies

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The document was originally written in Swedish.

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




## NL - INHOUDSOPGAVE

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## IT - INDICE

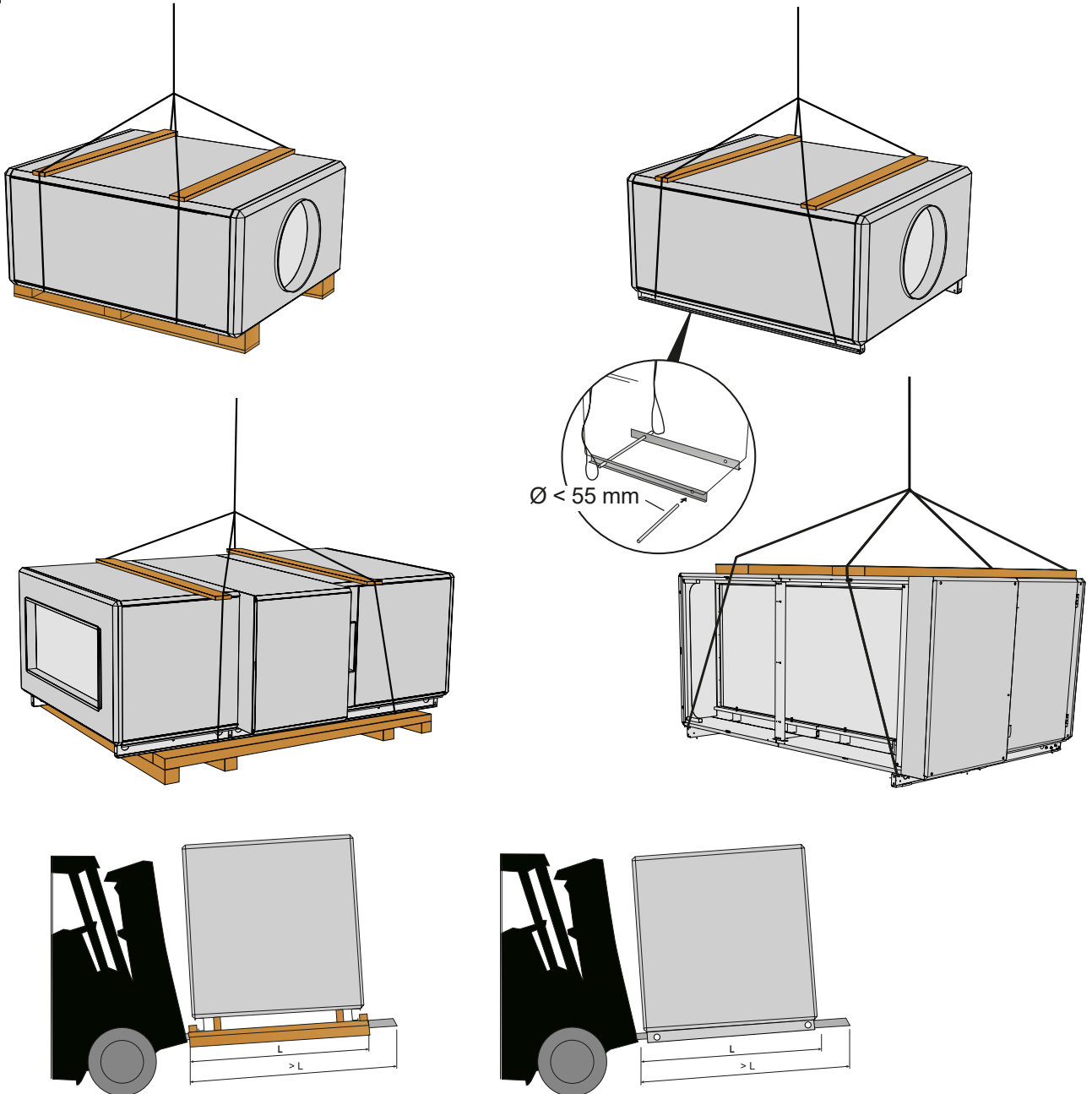
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# 1.

						
<b>EN</b> Warning	Must be connected by a qualified Electrician. Warning! Hazardous voltage.	Outdoor air	Supply air	Extract air	Exhaust air	Protect from moisture
<b>SE</b> Varning	Skall utföras av behörig elektriker. Varning för farlig spänning!	Uteluft	Tilluft	Frånluft	Avluft	Skyddas från väta
<b>DE</b> Warnung	Der Anschluss ist von einem Elektriker vorzunehmen. Warnung vor gefährlicher Spannung!	Außenluft	Zuluft	Abluft	Fortluft	Vor Nässe schützen
<b>FR</b> Avertissement	Doit être raccordé par un électricien agréé. Avertissement de tension dangereuse!	Air extérieur	Air de pulsion	Air extrait	Air rejeté	Protéger contre l'humidité
<b>NO</b> Advarsel	Skal tilkobles av autorisert elektriker. Advarsel for farlig spenning!	Uteluft	Tilluft	Avtrekksluft	Avkast	Beskyttes fra væte
<b>DK</b> Advarsel	Skal tilsluttes af autoriseret elektriker. Advarsel om farlig spænding!	Friskluft	Indblæsningsluft	Udsugningsluft	Afgangsluft	Beskyttes mod væde
<b>FI</b> Varoitus	Liitäntä annettava pätevän sähköasentajan tehtäväksi. Varoitus – vaarallinen jännite!	Ulkoilma	Tuloilma	Poistoilma	Jäteilma	Suojattava kastumiselta
<b>PL</b> Uwaga!	Podłączenia winne być wykonane przez wykwalifikowanego elektryka. Ostrzeżenie! Niebezpieczne napięcie.	Powietrze zewnętrzne	Powietrze nawiewane	Powietrze wywiewane	Powietrze wyrzucane	Chronić przed wilgocią
<b>RU</b> Внимание	Разрешено только специалисту-электрику. Внимание, опасное напряжение!	Наружный воздух	Приточный воздух	Отработанный воздух	Вытяжной воздух	Защитить от влаги
<b>ES</b> Advertencia	Debe efectuarla un electricista autorizado. Advertencia de tensión peligrosa!	Aire exterior	Aire de impulsión	Aire de retorno	Aire de extracción	Proteger contra la humedad
<b>IT</b> Avvertenza	Operazione riservata a elettricisti qualificati. Avvertenza tensione pericolosa!	Aria esterna	Aria in entrata	Aria in uscita	Sfiato	Teme l'umidità
<b>PT</b> Aviso	Deve ser efectuado por electricista autorizado. Aviso! Tensão eléctrica perigosa.	Ar exterior	Ar de entrada	Ar de saída	Ar de extracção	Proteger contra a humidade
<b>NL</b> Waarschuwing	Uit te voeren door een bevoegd electricien. Waarschuwing voor gevaarlijke spanning	Buitenlucht	Inlaatlucht	Uitlaatlucht	Afvoerlucht	Tegen vocht beschermen



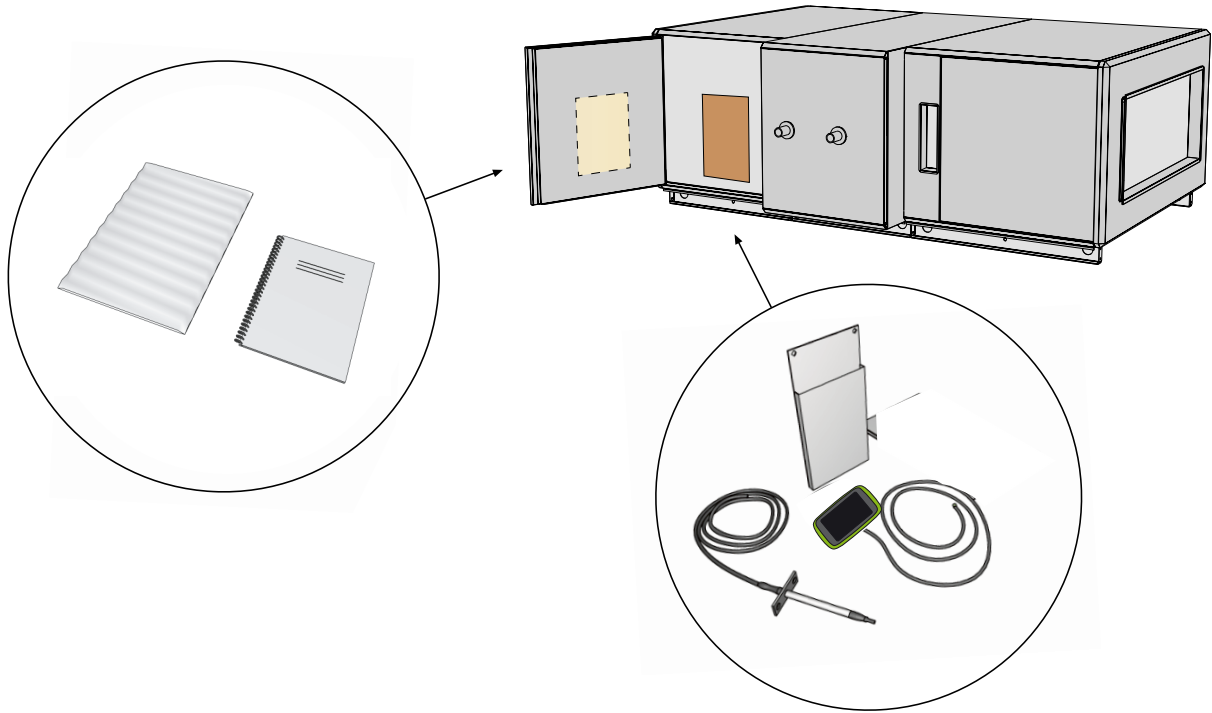
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- EN - For weights, see the relevant package  
 SE - För vikter, se respektive kolli  
 DE - Für Gewichte siehe jeweilige Verpackung  
 FR - Les poids figurent sur les emballages correspondants.  
 NO - For vekt se respektive kolli  
 DK - Se det pågældende kolli for vægtoplysninger  
 FI - Katso painot vastaavista kolleista  
 PL - Waga, patrz odpowiednie sekcje.  
 RU - Вес, см. на упаковке  
 ES - Consulte los pesos en el paquete correspondiente  
 IT - Per i pesi, vedere il relativo pacchetto  
 PT - Para os pesos, ver o equipamento relevante  
 NL - Voor gewichten, zie het relevante pakket

3.

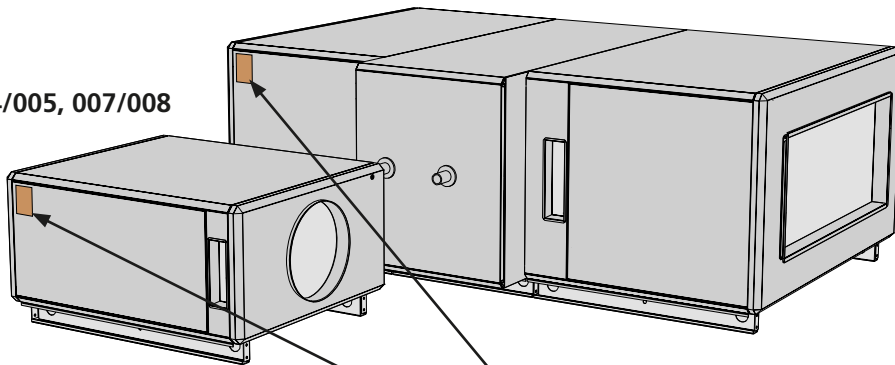
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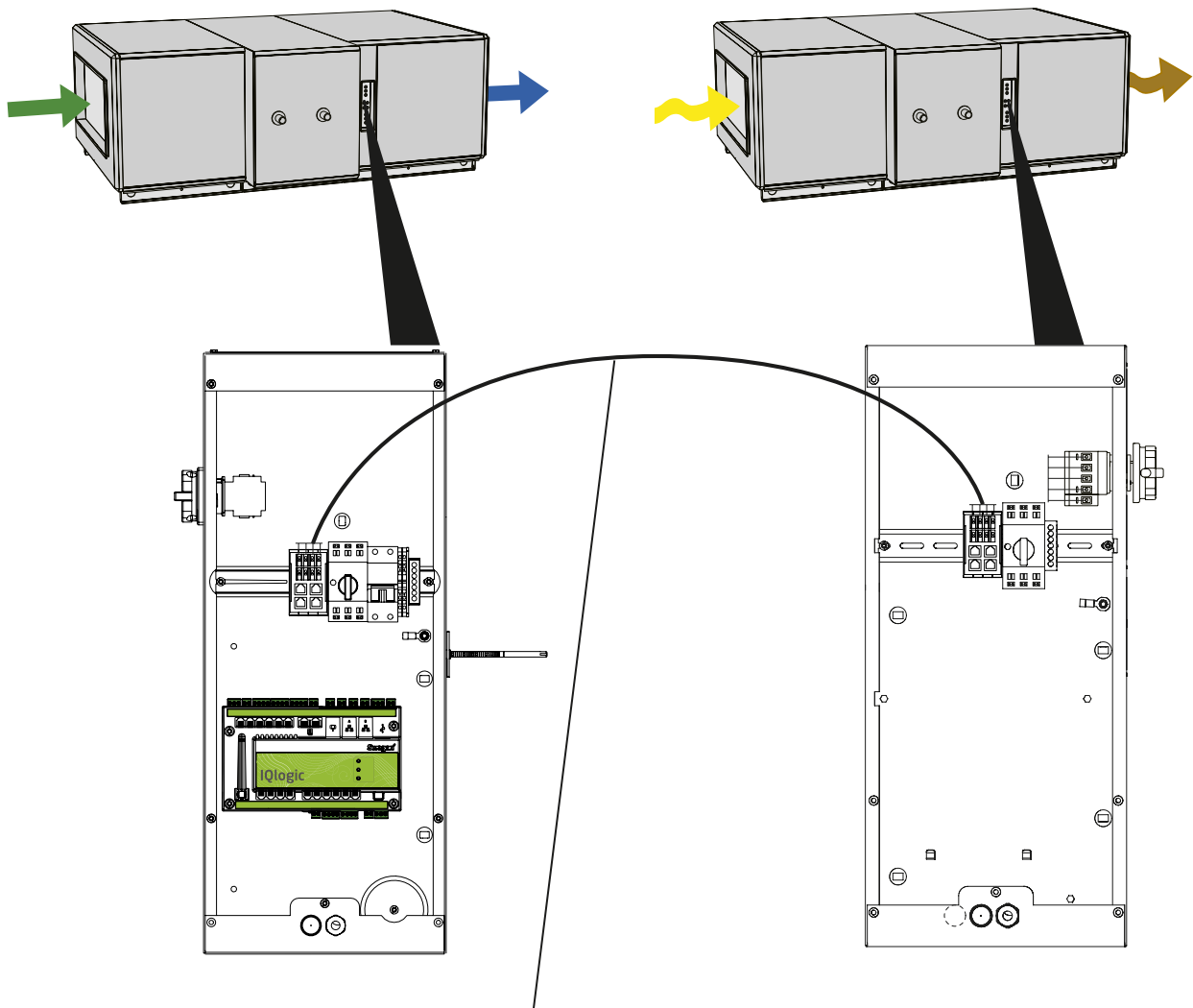
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GOLD SD 004/005, 007/008



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EN - See special instructions for particulars of the cable adaptor and wiring diagram.

SE - Se särskild instruktion för kabeladapter och elschema.

DE - Siehe separate Anleitung für Kabeladapter und elektrisches Schaltdiagramm.

FR - Adaptateur de câble et schéma de raccordement: voir les instructions spéciales.

NO - Se separate instruksjoner for kabeladapter og strømskjema.

DK - Se separat instruktion for kabeladapter og strømskema.

FI - Katso kaapelisovitinta ja kytkentäkaaviota koskeva ohje.

PL - Patrz w oddzielnej instrukcji dotyczącej podłączenia kabla i w schemacie elektrycznym.

RU - См. отдельную инструкцию для адаптера кабеля и электрическую схему.






ES - En las instrucciones especiales encontrará información detallada sobre el adaptador de cable y un esquema del cableado.

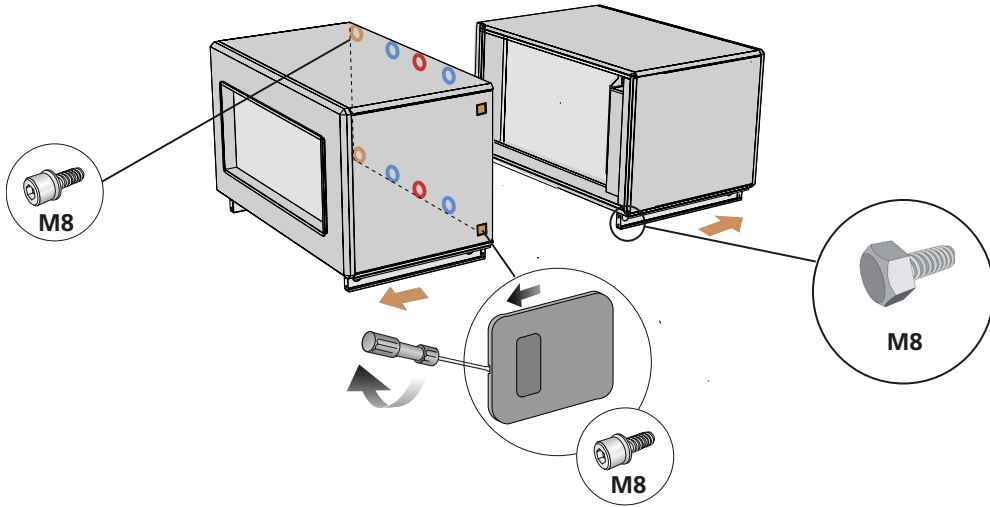
IT - Vedere le istruzioni specifiche per i particolari dell'adattatore per cavi e dello schema elettrico.

PT - Ver instruções especiais para mais pormenores sobre o adaptador de cabos e o diagrama da cablagem.

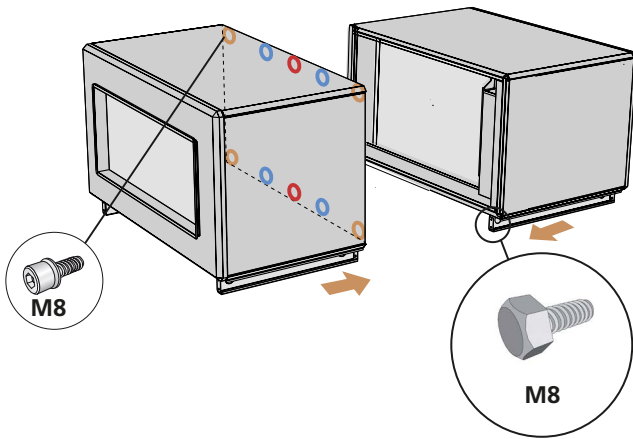
NL - Zie de speciale instructies voor bijzonderheden over de kabeladapter en het bedradingschema.




6.

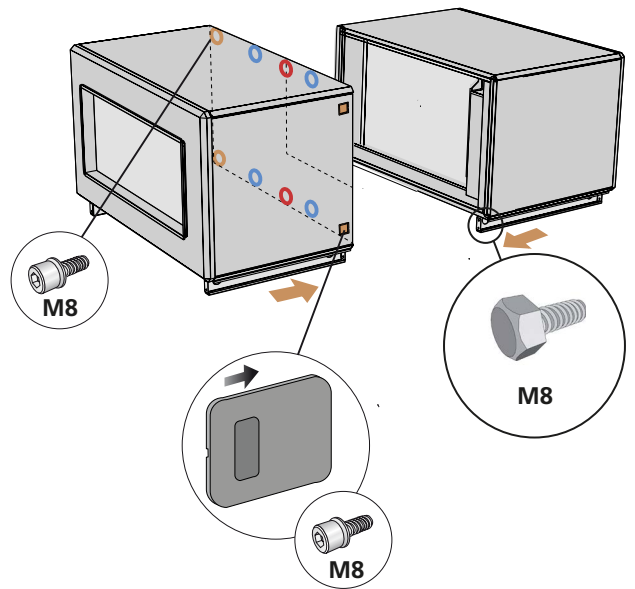
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 GOLD SD 100/120  



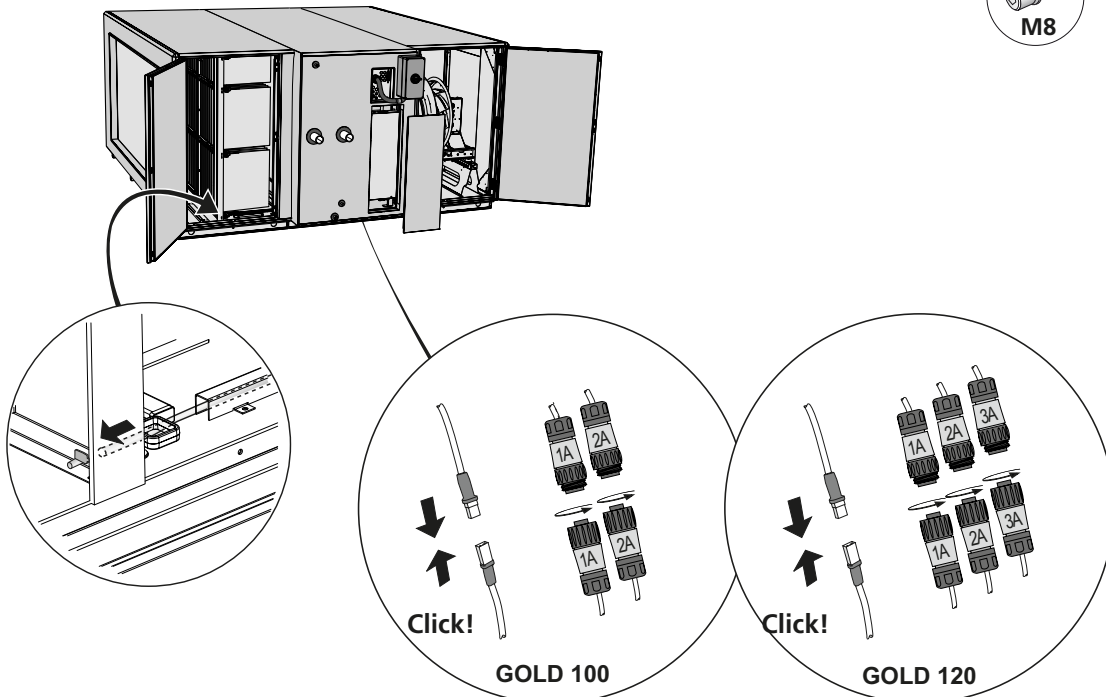
Alt. 1  + 



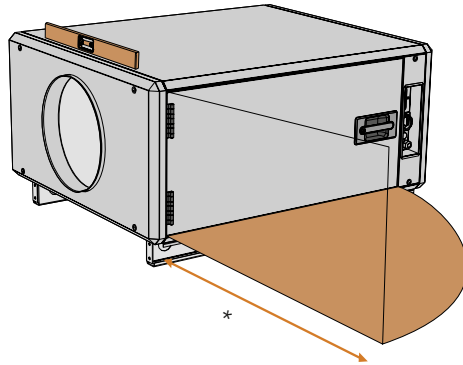
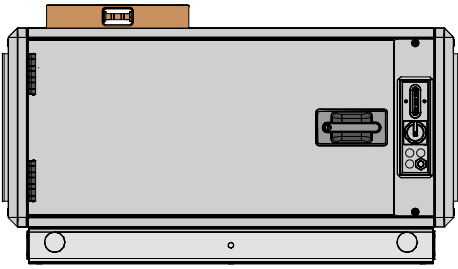
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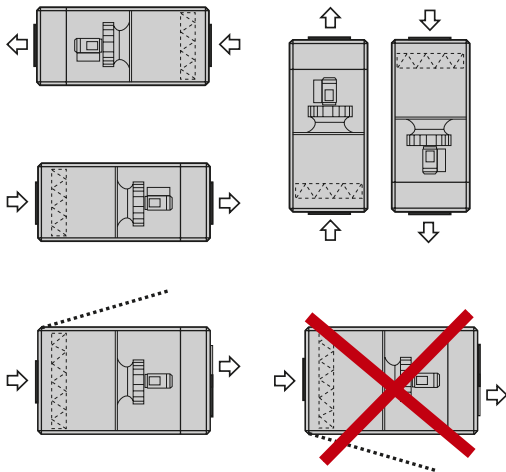
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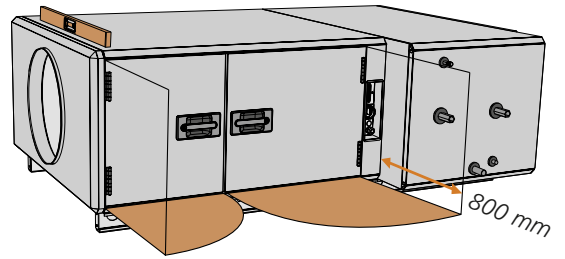
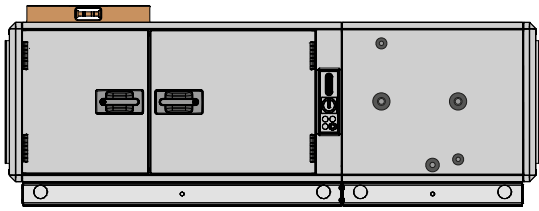
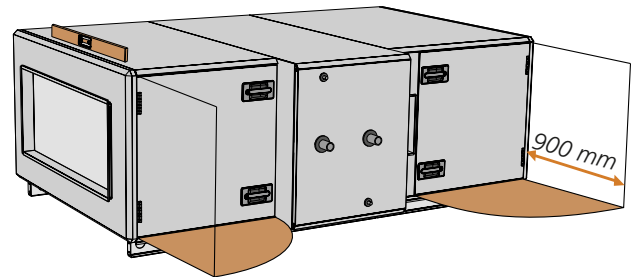
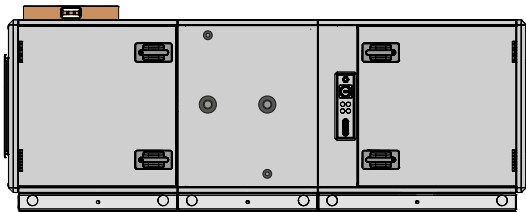
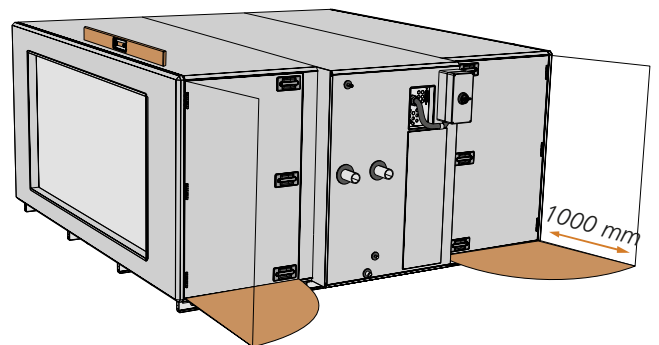
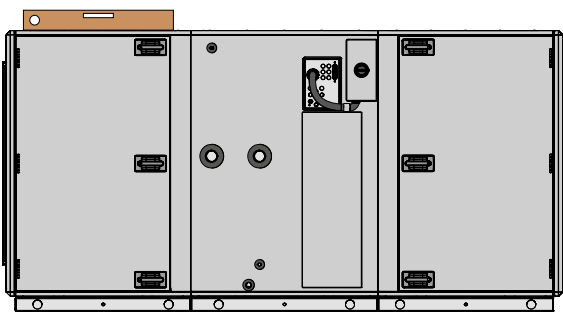


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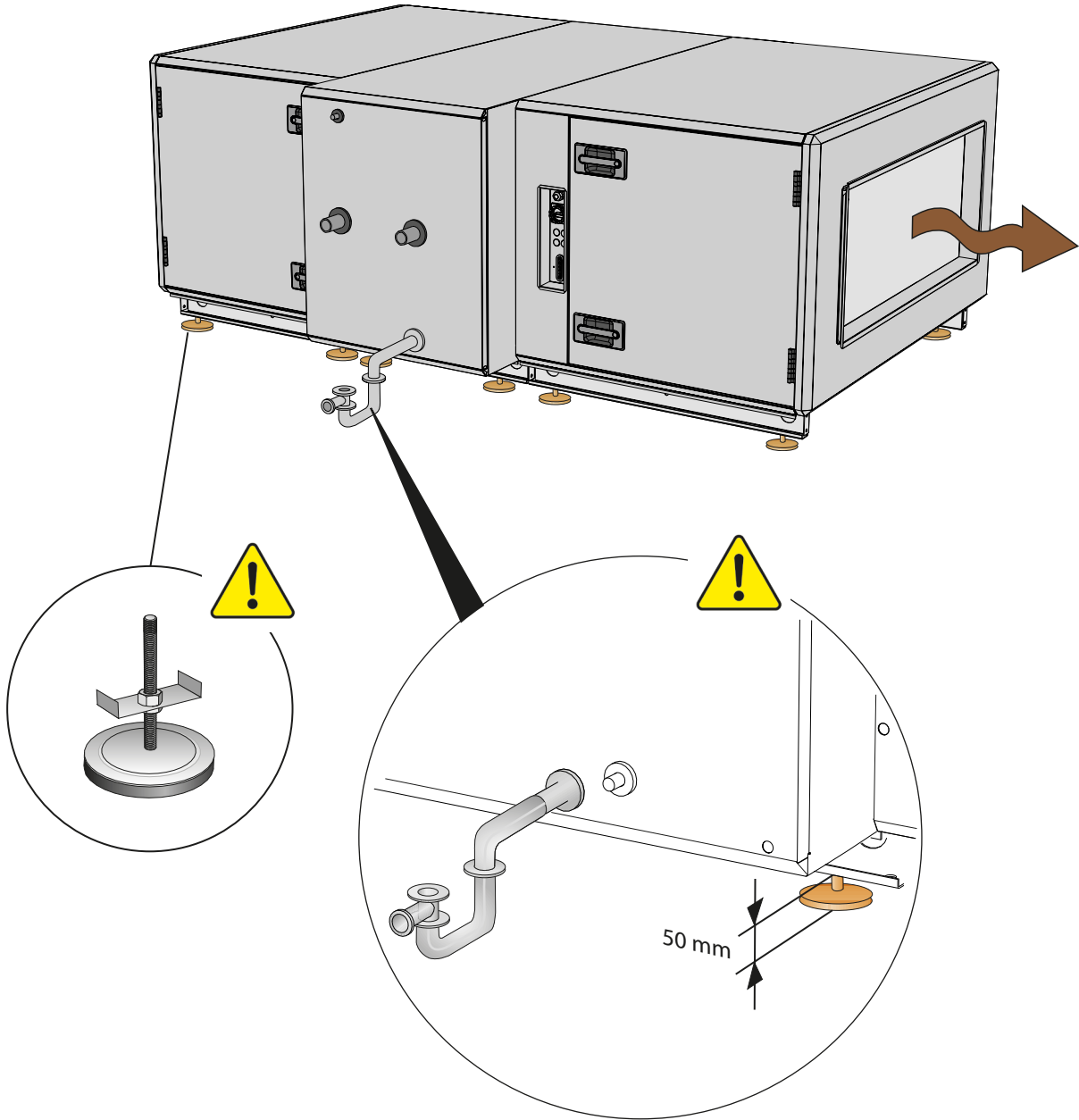


\* GOLD RX 004/05 = 900 mm  
 GOLD RX 007/008 = 1000 mm

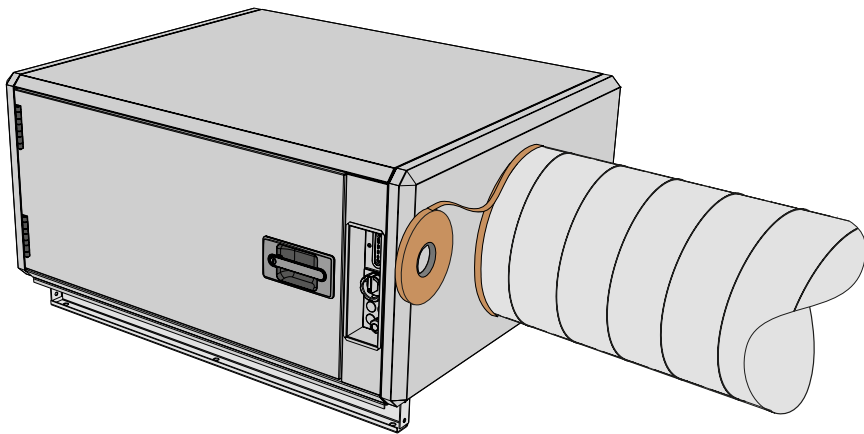
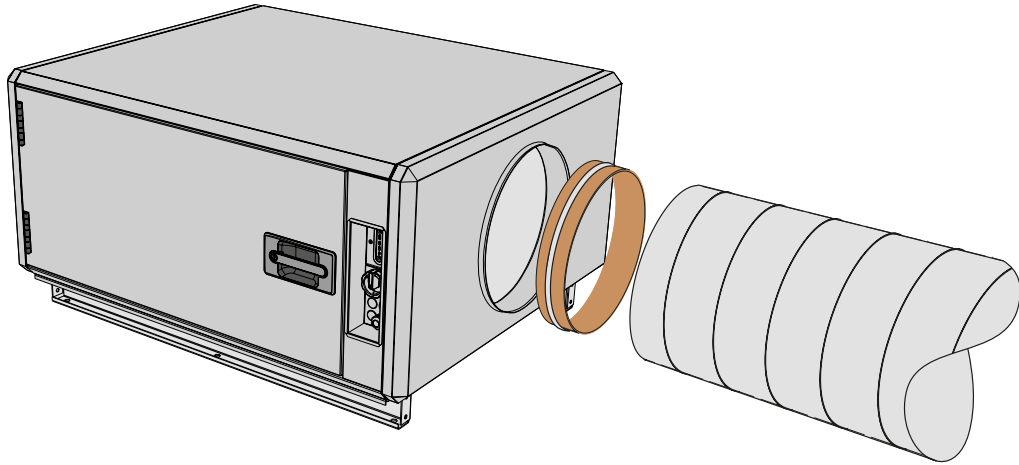


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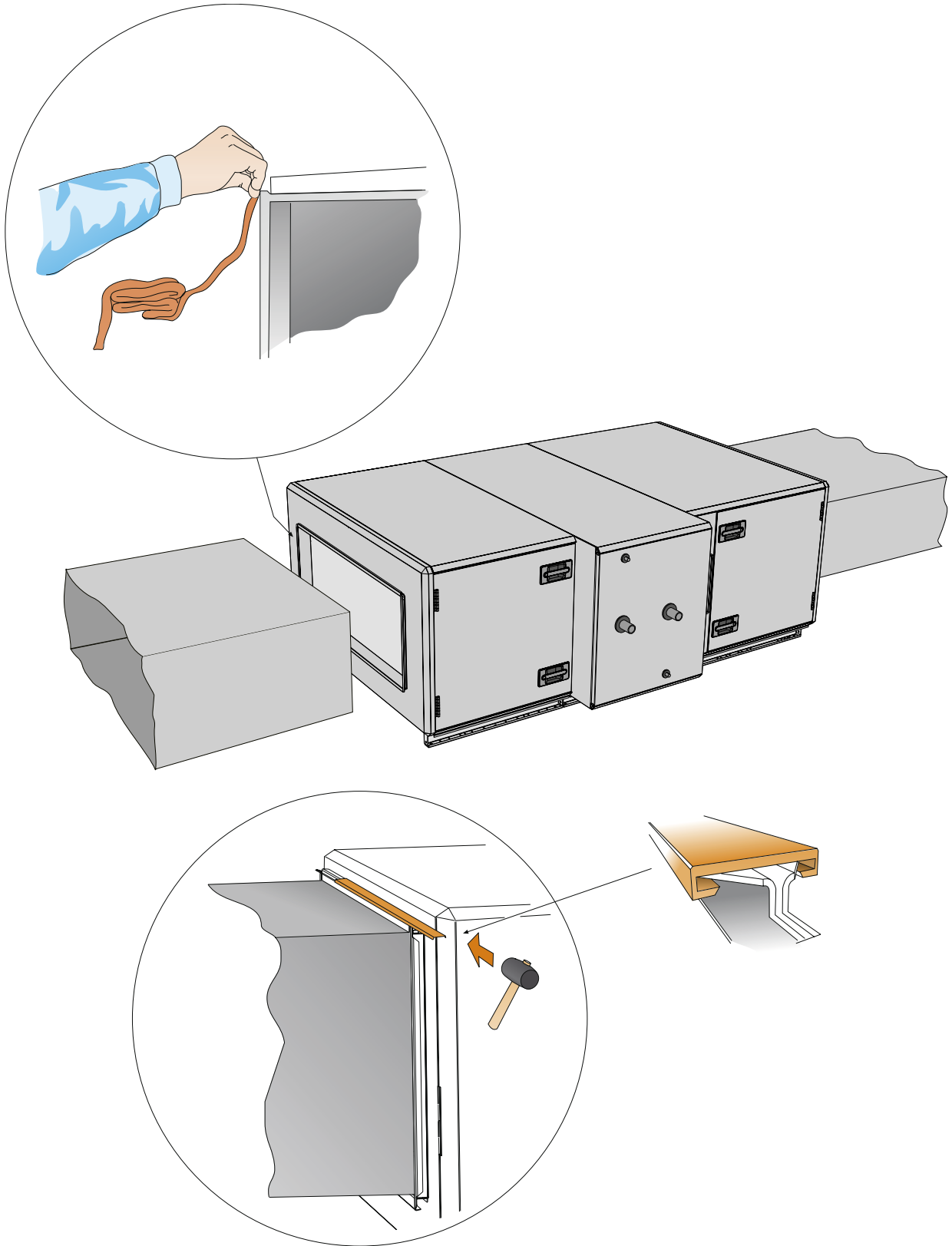
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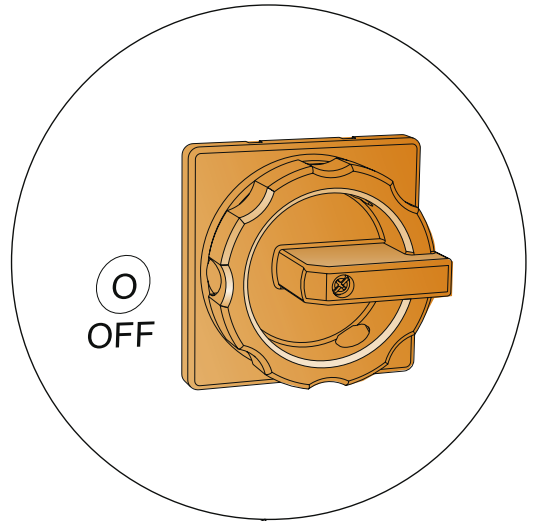


GOLD SD 004/005, 007/008, 011/012

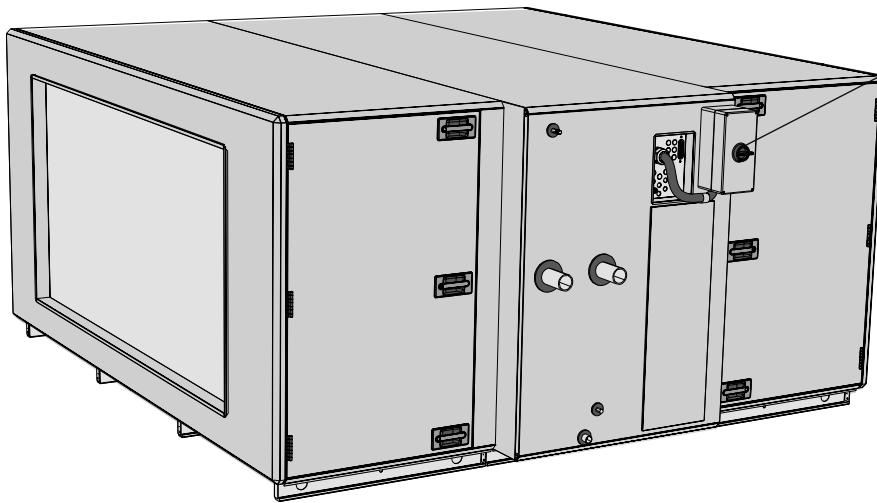


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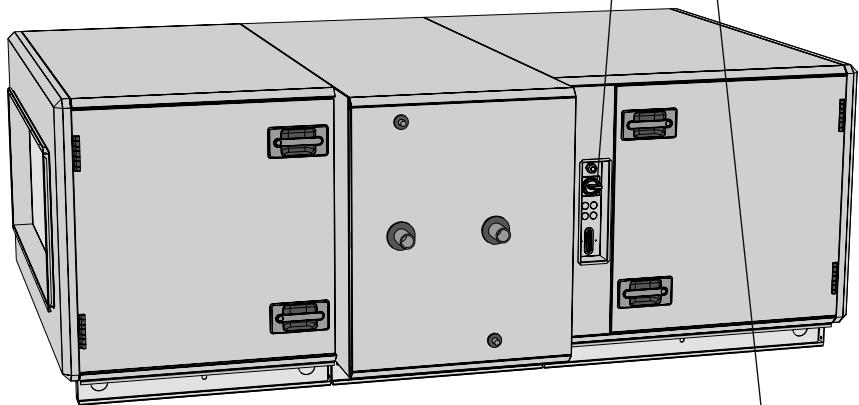




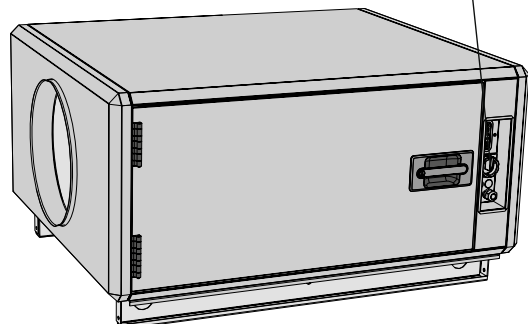
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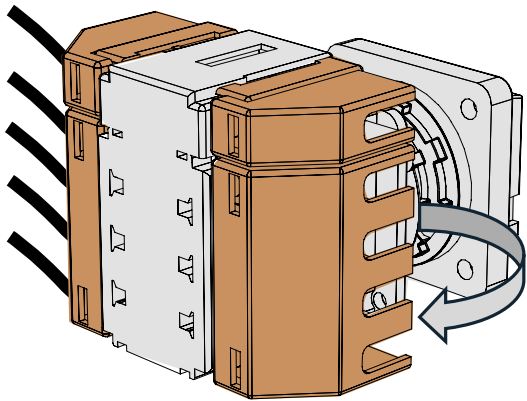
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035/040, 050/060, 070/080**



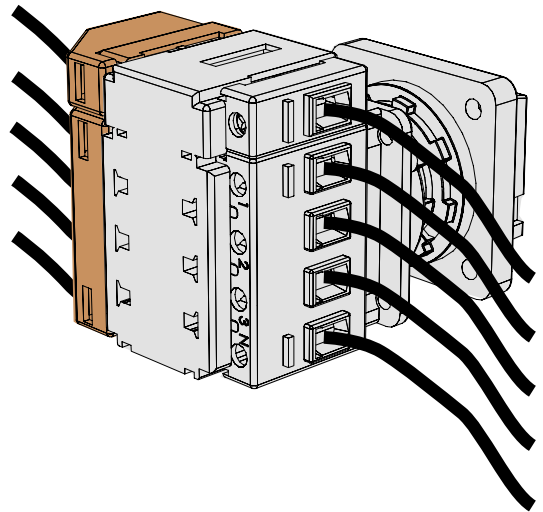
**GOLD SD 004/005, 007/008, 011/012**



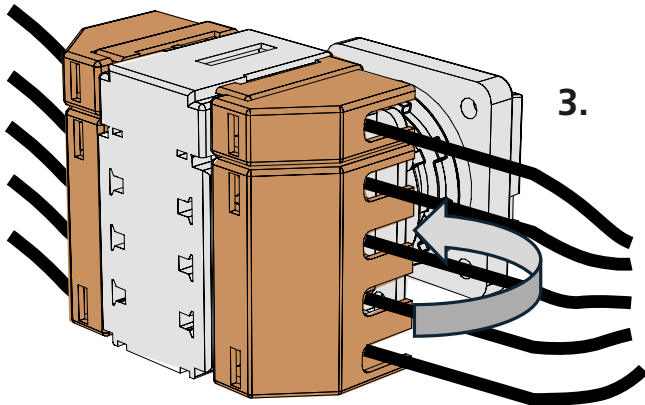
GOLD SD 004/005, 007/008, 011/012, 014/020, 025/030, 035/040, 050/060, 070/080, 100/120



1.

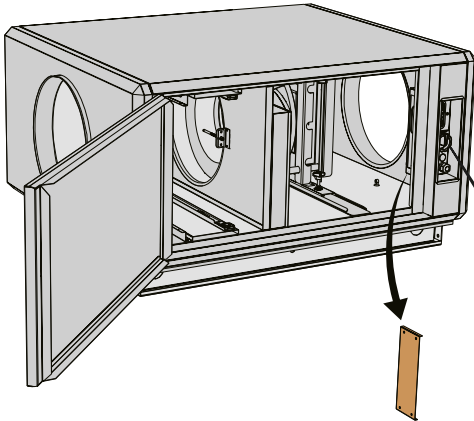


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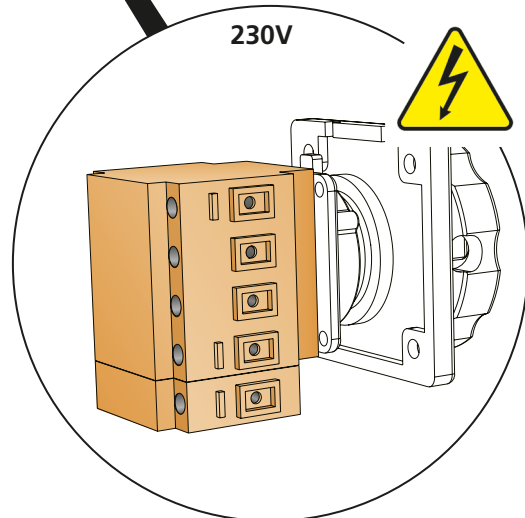
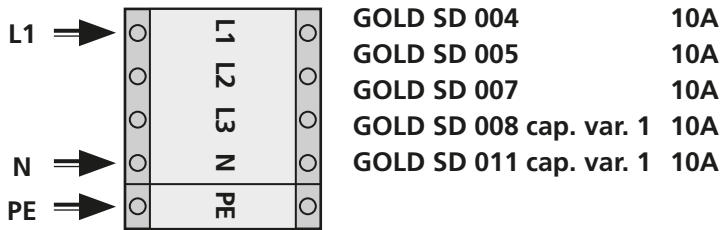


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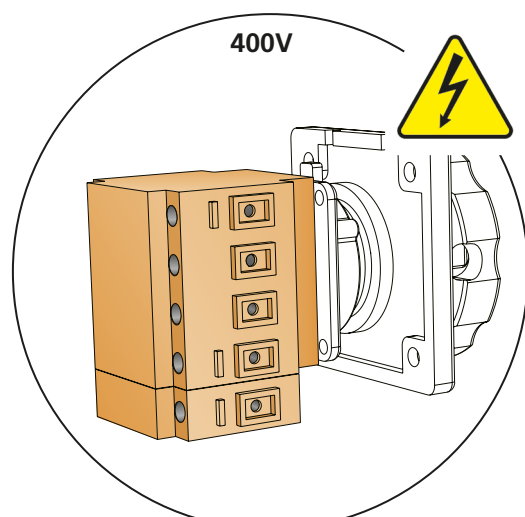
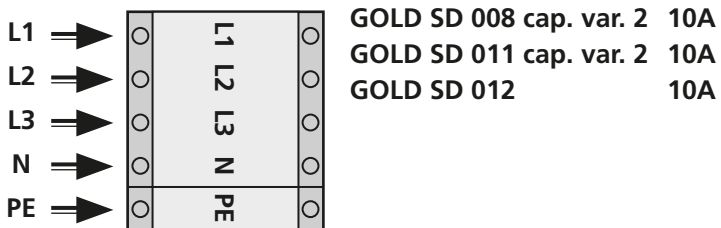
**GOLD SD 004/005, 007/008, 011/012**



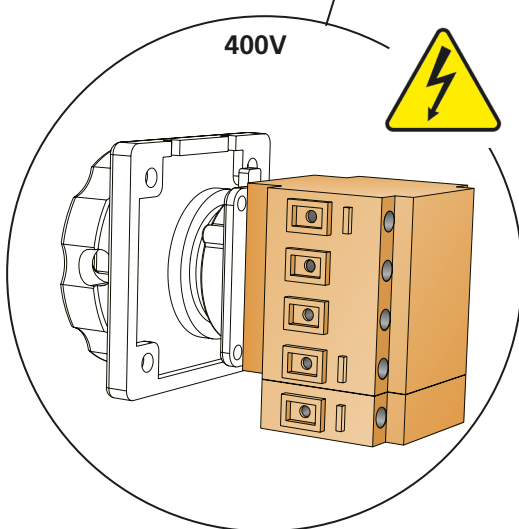
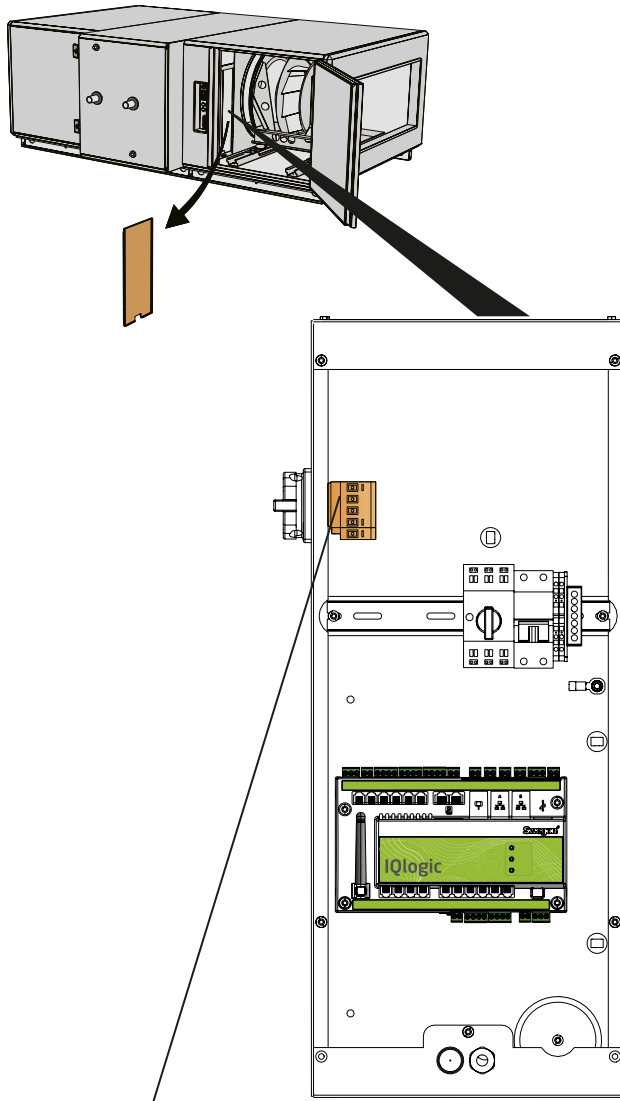
**GOLD SD 004/005, 007, 008 cap. var. 1, 011 cap. var. 1**  
 1-phase, 3-wire, 230V -10/+15%, 50Hz



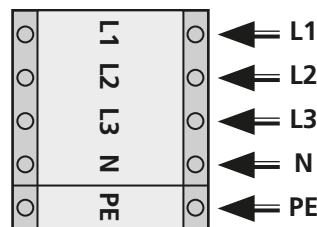
**GOLD SD 008 cap. var. 2, 011 cap. var. 2, 012**  
 3-phase, 5-wire, 400V -10/+15%, 50Hz



GOLD SD 014/020, 025/030, 035/040, 050/060, 070/080

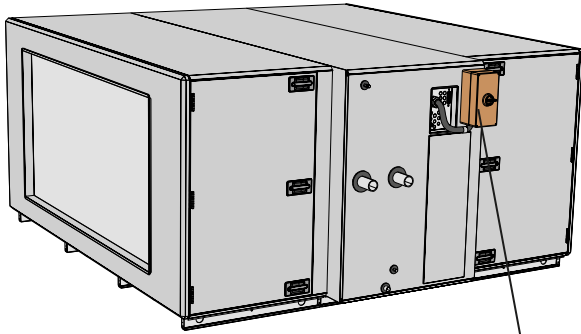


GOLD SD 014/020, 025/030, 035/040, 050/060, 070/080  
3-phase, 5-wire, 400V -10/+15%, 50Hz



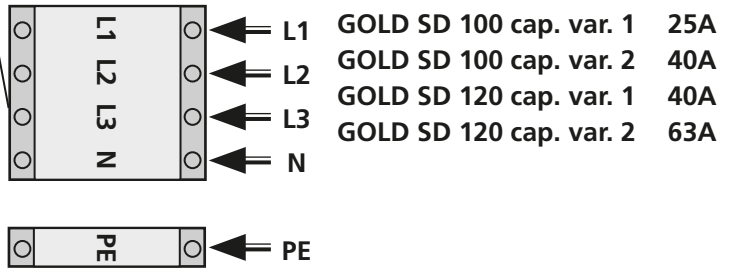
GOLD SD 014	10A
GOLD SD 020	10A
GOLD SD 025	10A
GOLD SD 030	10A
GOLD SD 035	10A
GOLD SD 040 cap. var. 1	16A
GOLD SD 040 cap. var. 2	20A
GOLD SD 050 cap. var. 1	16A
GOLD SD 050 cap. var. 2	20A
GOLD SD 060 cap. var. 1	16A
GOLD SD 060 cap. var. 2	25A
GOLD SD 070 cap. var. 1	16A
GOLD SD 070 cap. var. 2	25A
GOLD SD 080 cap. var. 1	25A
GOLD SD 080 cap. var. 2	40A

**GOLD SD 100/120**

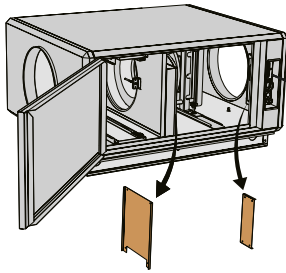


**GOLD SD 100/120**

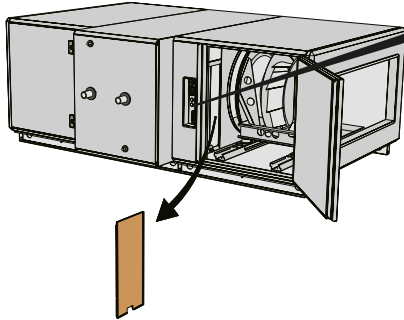
3-phase, 5-wire, 400V -10/+15%, 50Hz



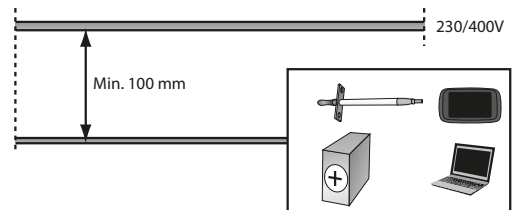
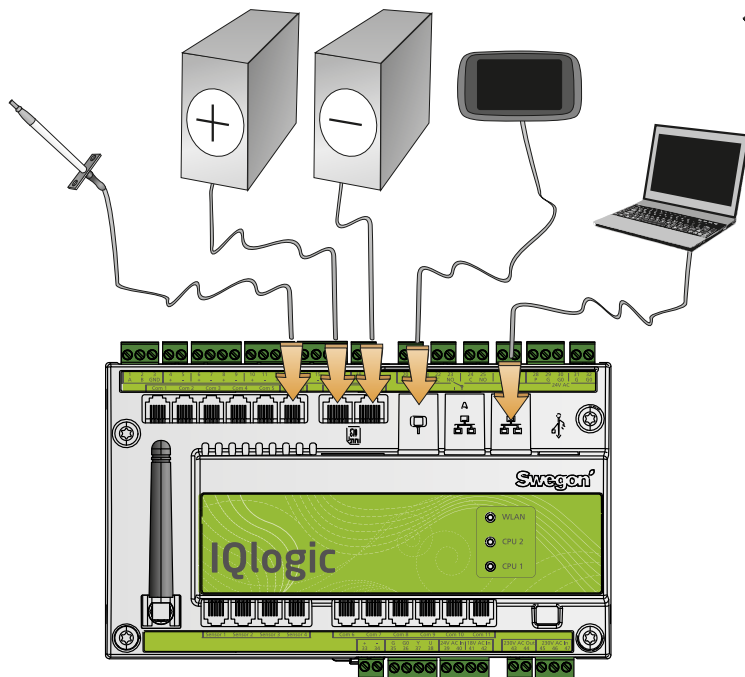
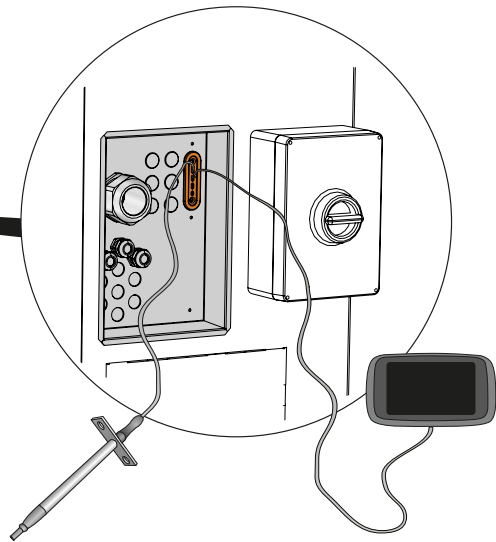
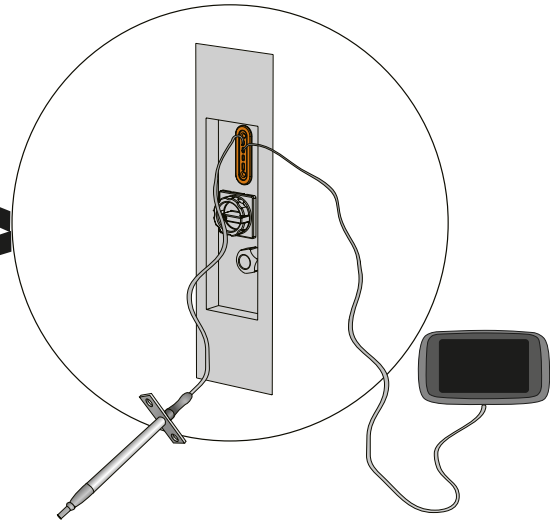
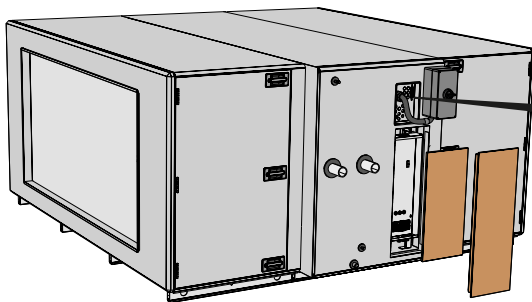
GOLD SD 004/005, 007/008, 011/012



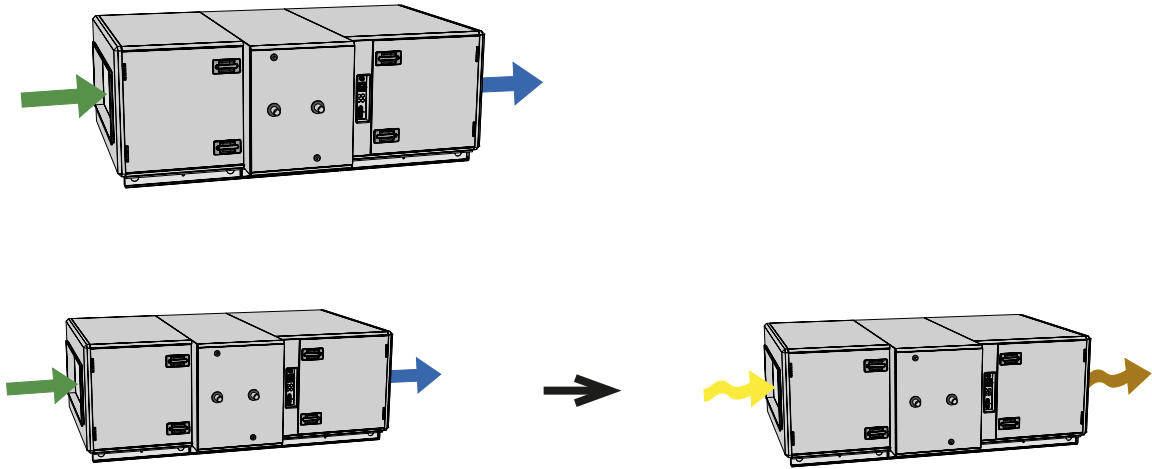
GOLD SD 014/020, 025/030,  
035/040, 050/060, 070/080



GOLD SD 100/120



GOLD SD 004/005, 008, 012, 014/020, 025/030, 035/040, 050/060, 070/080, 100/120



EN - See Section 4.10 in the GOLD Function Manual, Installation.

SE - Se avsnitt 4.10 i GOLD Funktionsmanual installation.

DE - Siehe Abschnitt 4.10 im GOLD-Funktionshandbuch zur Installation.

FR - Voir la Section 4.10 du manuel des fonctions GOLD, Installation.

NO - Se avsnitt 4.10 i GOLD Funksjonsmanual installasjon.

DK - Se afsnit 4.10 i GOLD Funktionsmanual installation.

FI - Katso luku 4.10 GOLD Asennustason ohjekirjassa.

PL - Patrz rozdział 4.10 w Instrukcji instalacji GOLD.

RU - См. раздел 4.10 в инструкции описания функций GOLD.

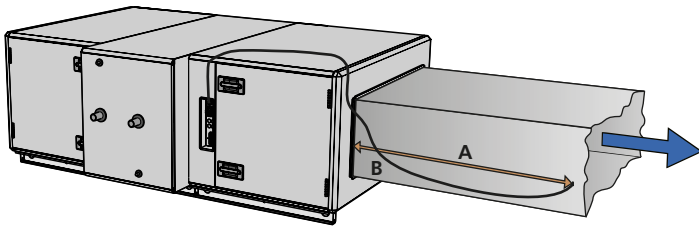
ES - Consulte la Sección 4.10 del "Manual de funcionamiento, Instalación" de GOLD.

IT - Vedere la sezione 4.10 del Manuale delle funzioni GOLD, Installazione.

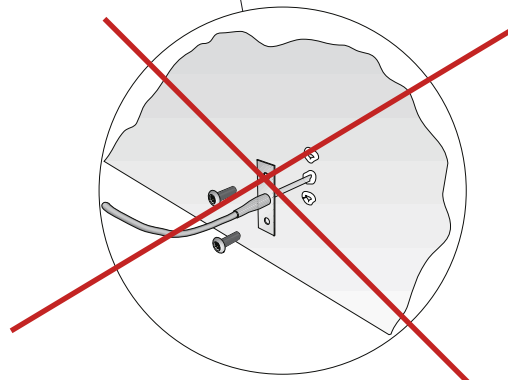
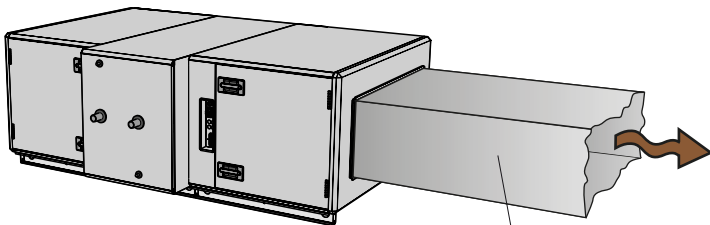
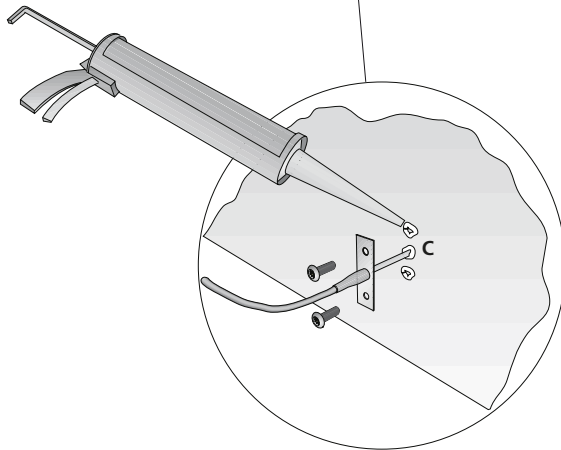
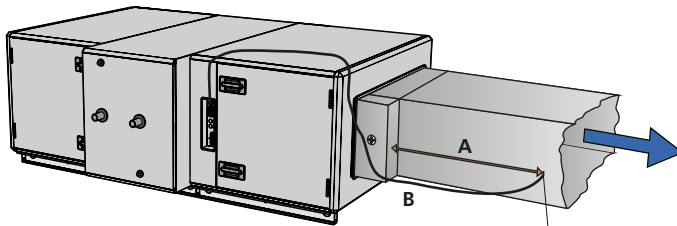
PT - Ver Secção 4.10 no Manual de funcionamento GOLD, Instalação.

NL - Zie Sectie 4.10 in de GOLD-functiehandleiding, Installatie.

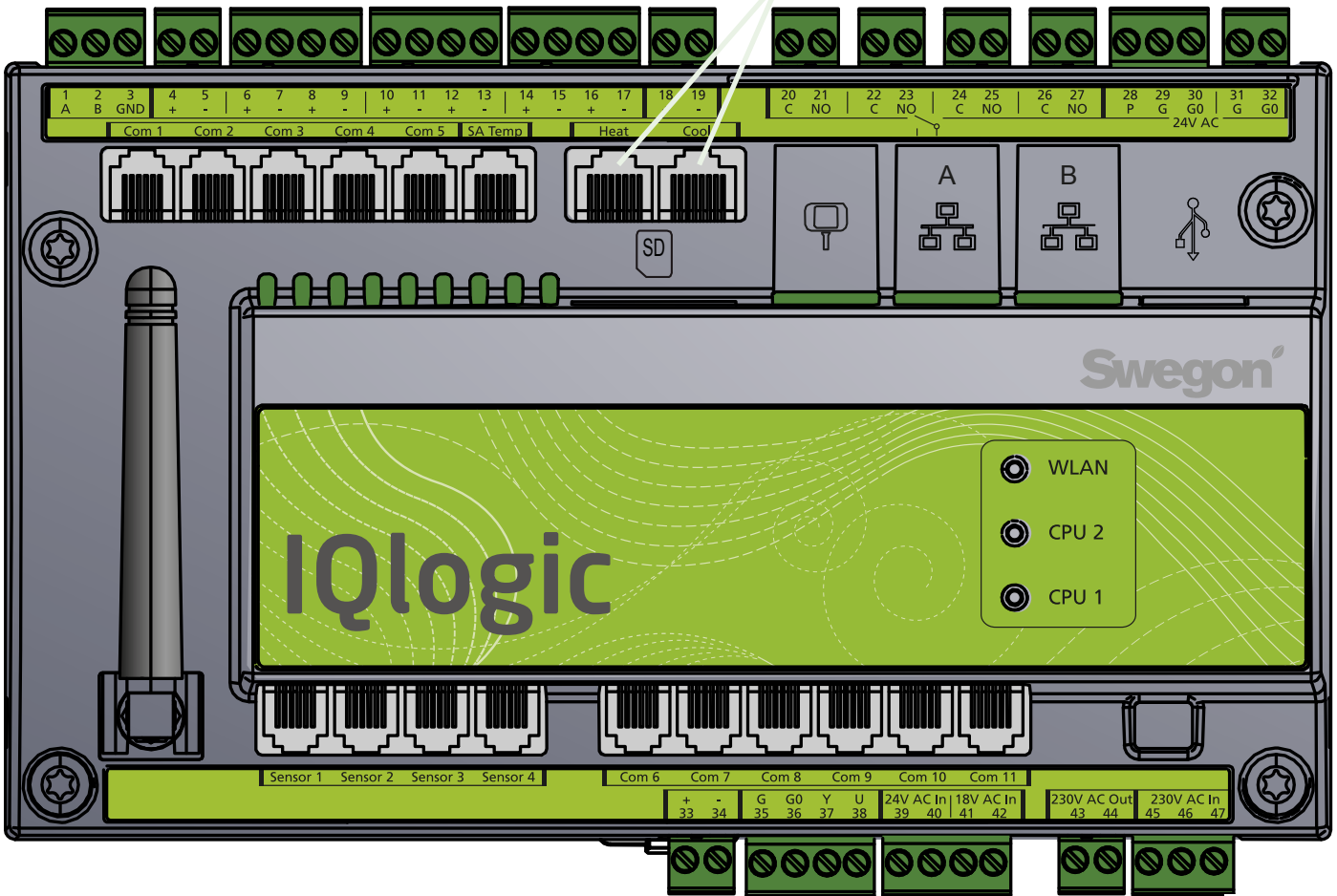
GOLD SD 004/005, 007/008, 011/012, 014/020, 025/030, 035/040, 050/060, 070/080, 100/120



A  $\geq$  1500 mm  
B = 7000 mm  
C =  $\varnothing$  11 mm



The max. permissible load on the corresponding connection is 16 VA.



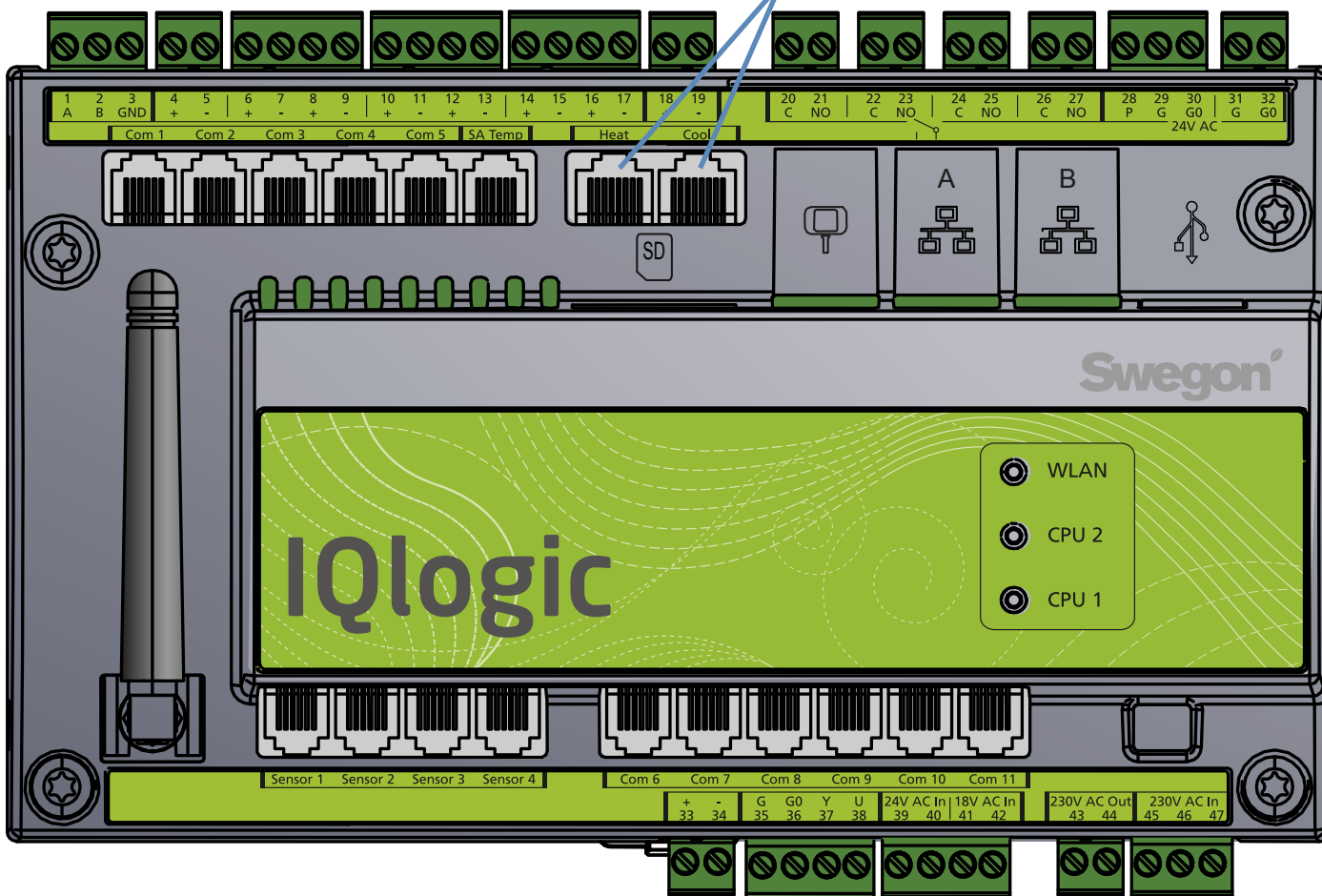
Digital inputs, terminals 4-17, are of extra-low voltage type.  
 Analogue inputs, terminals 18-19 have an input impedance of 66 kΩ.



Wiring terminal	Function	Remarks
1,2,3	Connections for EIA -485	1= Communication connection A/RT+, 2= Communication connection B/RT-, 3= GND/COM.
4,5	External stop	Stops the air handling unit by opening the circuit. On delivery, this function is fitted with a jumper. If the connection is interrupted, the air handling unit will stop.
6,7	External fire/smoke function 1	External fire and smoke function. On delivery, this function is fitted with a jumper. If the connection is interrupted, the function will trip and initiate an alarm.
8,9	External fire/smoke function 2	External fire and smoke function. On delivery, this function is fitted with a jumper. If the connection is interrupted, the function will trip and initiate an alarm.
10,11	External alarm 1	External contact function. Optional: Normally open/normally closed.
12,13	External alarm 2	External contact function. Optional: Normally open/normally closed.
14,15	External low speed	External contact function. Overrides the time switch from stop to low speed operation.
16,17	External high speed	External contact function. Overrides the time switch from stop or low speed to high speed operation.
18,19	Demand control	Input for 0-10 VDC. The input signal influences the supply air/extract airflow setpoint if the unit is operating in the demand control mode. For connection of a sensor, for example CO <sub>2</sub> , CO and VOC
20,21	Circulation pump, heating circuit	Independent contact, max. 5 A/AC1, 2 A/AC3, 250 VAC. Closes on a heating load.
22,23	Circulation pump, cooling circuit or cooling on/off, 1-step operation	Independent contact, max. 5 A/AC1, 2 A/AC3, 250 VAC. Closes on a cooling load.
24,25	Cooling, on/off, 2-step operation	Independent contact, max. 5 A/AC1, 2 A/AC3, 250 VAC. Closes on a cooling load.
26,27	In-service indication	Independent contact, max. 5 A/AC1, 2 A/AC3, 250 VAC. Closes when the unit is operating.
28,29,30	Damper control	24 VAC. 28= Controlled 24 VAC (G), 29= 24 VAC (G), 30= 24 VAC (G0).
31,32	Control voltage <sup>1)</sup>	24 VAC control voltage. Terminals 31-32 are loaded with a total of 16 VA. Opened by means of the safety isolating switch.
33,34	Reference voltage	Output for constant 10 VDC. Max. permissible load: 8 mA.
35,36,37,38	Control, recirculation damper	The recirculation damper can be loaded with max. 2 mA at 10 VDC. 35= 24 V AC (G), 36= 24 V AC (G0), 37= 0-10 V DC control signal, 38= 0-10 VDC feedback signal.

The max permissible common load on terminals 31-32, outputs for Heat/Cool and damper output (terminals 28-30) is 32 VA.  
<sup>1)</sup> GOLD 100/120: If more than 16 VA is required, use wiring terminals 201 (G) and 202 (G0). Terminals 201-202 can be loaded with a total of max. 48 VA.

Respektive anslutning får belastas med max 16 VA.



Digitala ingångar, plint 4-17, är av typ klenspanning.  
Analog ingång, plint 18-19 har ingångsimpedans 66 kΩ.



Plint	Funktion	Kommentar
1,2,3	Anslutningar för EIA-485	1= kommunikationsanslutning A/RT+, 2= kommunikationsanslutning B/RT-, 3= GND/COM.
4,5	Externt stopp	Stopp av aggregat via brytande kontakt. Byglad vid leverans. Bryts förbindelsen stoppar aggregatet.
6,7	Extern brand-/rökfunktion 1	Extern brand- och rökfunktion. Byglad vid leverans. Bryts förbindelsen utlöses funktionen och larmar.
8,9	Extern brand-/rökfunktion 2	Extern brand- och rökfunktion. Byglad vid leverans. Bryts förbindelsen utlöses funktionen och larmar.
10,11	Externt larm 1	Extern kontaktfunktion. Valbar slutande/brytande.
12,13	Externt larm 2	Extern kontaktfunktion. Valbar slutande/brytande.
14,15	Extern lågfart	Extern kontaktfunktion. Överstyr kopplingsuret från stopp till lågfartsdrift.
16,17	Extern högfart	Extern kontaktfunktion. Överstyr kopplingsuret från stopp eller lågfart till högfartsdrift.
18,19	Behovsstyrning	Ingång 0-10 VDC. Insignal påverkar flödesbörvärden för tilluft/frånluft vid behovsreglering. För anslutning av givare, till exempel CO <sub>2</sub> , CO och VOC
20,21	Cirkulationspump värme	Friliggande kontakt, max 5 A/AC1, 2 A/AC3, 250 VAC. Sluter vid värmebehov.
22,23	Cirkulationspump kyla alt. kyla on/off 1 steg	Friliggande kontakt, max 5 A/AC1, 2 A/AC3, 250 VAC. Sluter vid kylbehov.
24,25	Kyla on/off, 2 steg	Friliggande kontakt, max 5 A/AC1, 2 A/AC3, 250 VAC. Sluter vid kylbehov.
26,27	Driftindikering	Friliggande kontakt, max 5 A/AC1, 2 A/AC3, 250 VAC. Sluter vid drift.
28,29,30	Spjällstyrning	24 VAC. 28= styrd 24 VAC (G), 29= 24 VAC (G), 30= 24 VAC (G0).
31,32	Manöverspänning <sup>1)</sup>	Manöverspänning 24 VAC. Plint 31-32 belastas med sammanlagt max 16 VA. Bryts av säkerhetsbrytaren.
33,34	Referensspänning	Utgång för konstant 10 VDC. Max belastning 8 mA.
35,36,37,38	Styrning recirkulationsspjäll	Recirkulationsspjäll belastas max 2 mA vid 10 VDC. 35= 24 VAC (G), 36= 24 VAC (G0), 37= styrsignal 0-10 VDC, 38= återföringsignal 0-10 VDC .

Plint 31-32, utgångar för Heat/Cool och spjällutgång (plint 28-30) får gemensamt belastas med max 32 VA.

<sup>1)</sup> GOLD 100/120: Vid behov av mer än 16 VA, använd plint 201 (G) och 202 (G0). Plint 201-202 kan belastas med sammanlagt max 48 VA.

Feel good **inside**

