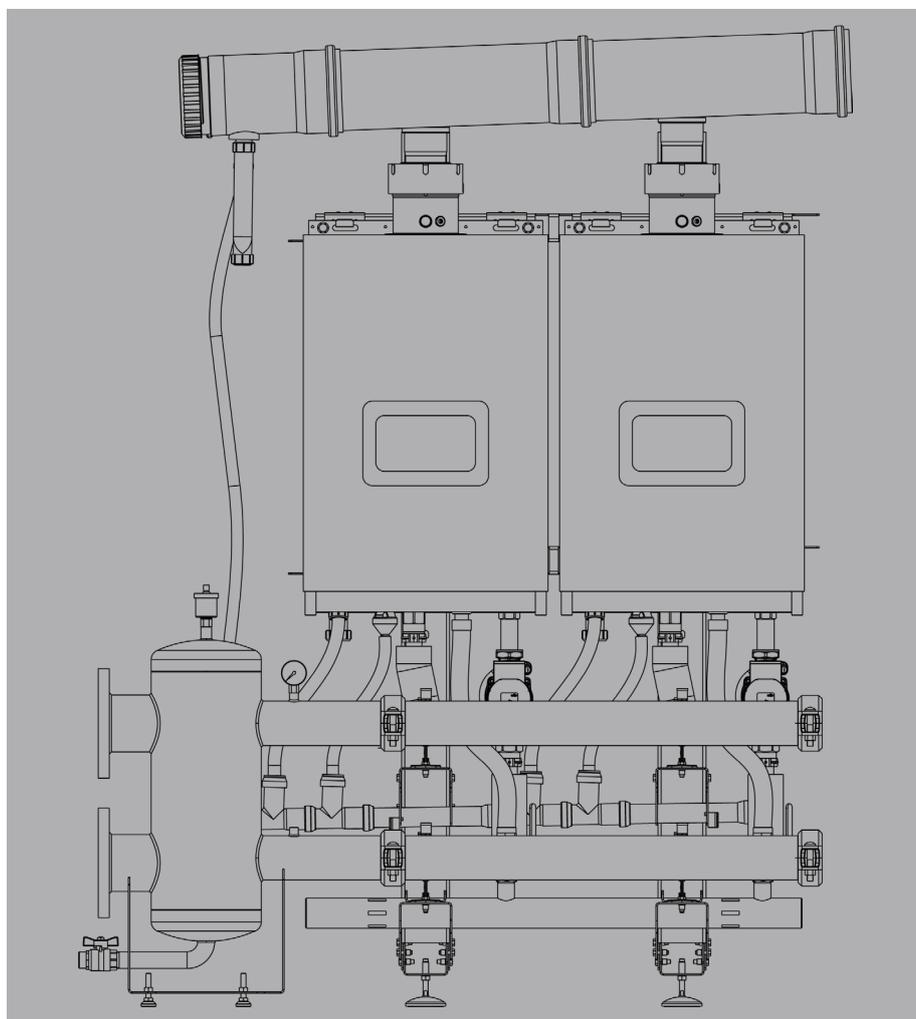




NOTICE D'INSTALLATION

VARFREE EVO

Pack hydraulique et kit
raccordement fumées
pour cascade de
chaudières sur chassis
autoportant et mural



00U06873590-C-F2



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1.

Descriptif

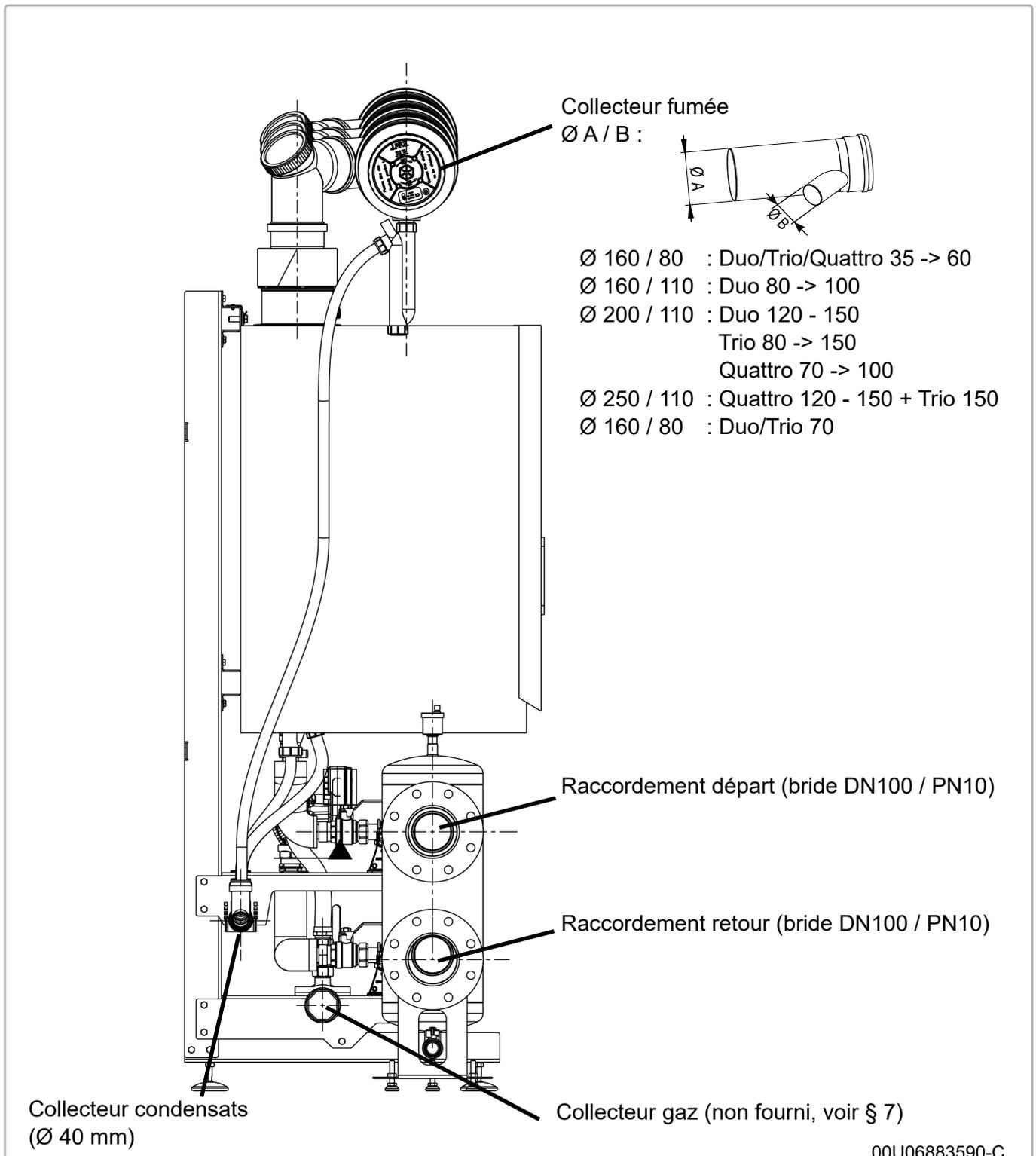
Introduction

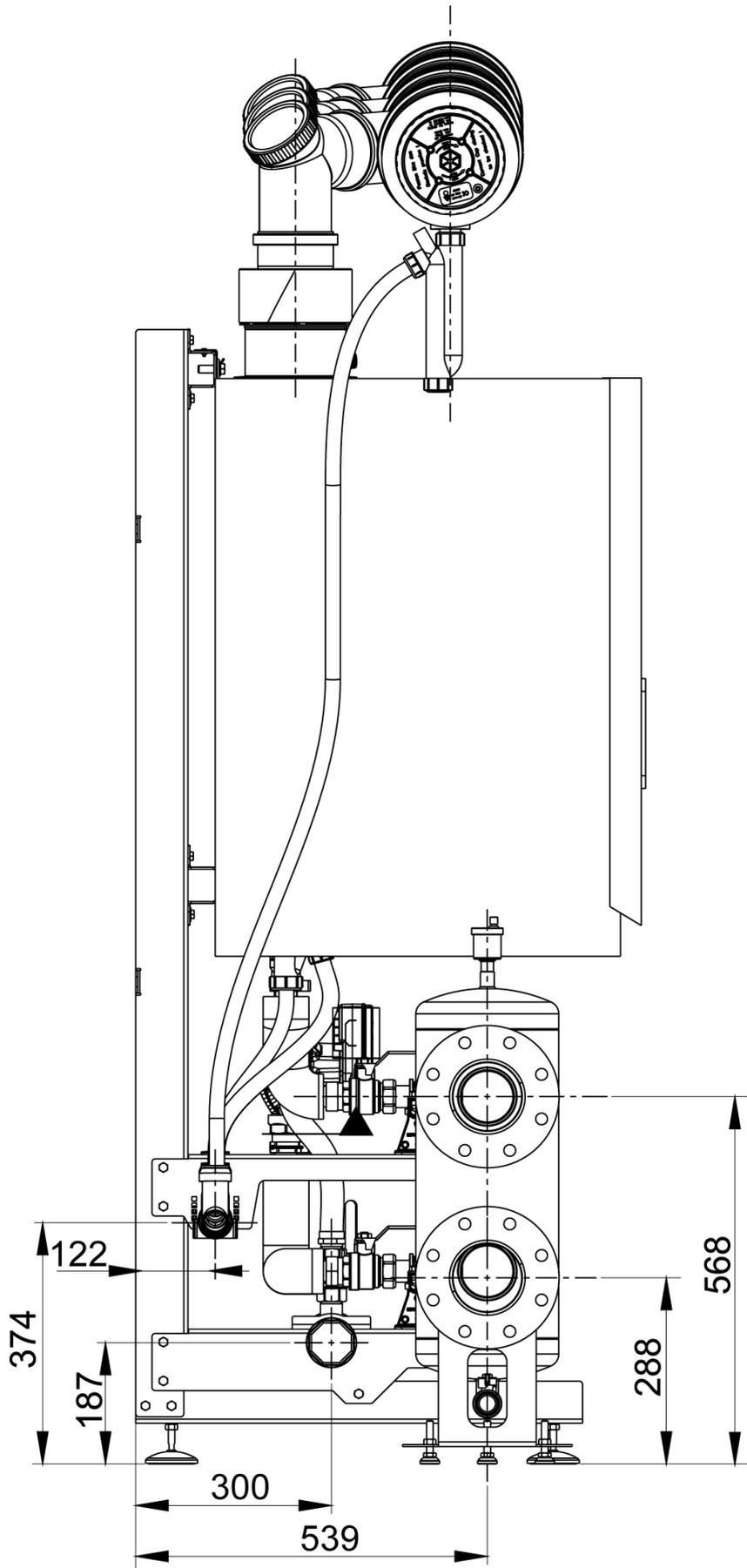
Les kits décrits dans ce manuel ont été conçus pour faciliter la réalisation d'une cascade de 2, 3 ou 4 chaudières nommée respectivement cascade Duo, Trio ou Quattro. Pour de plus amples renseignements concernant la chaudière, veuillez-vous reporter à sa notice.

Dans la mesure où il s'agit d'une centrale thermique, la chaufferie devra présenter des caractéristiques du point de vue dimensionnelles et des prescriptions conformes aux normes locales en vigueur.

De même, l'installation et l'entretien de la cascade doivent être effectués par un professionnel qualifié, conformément aux textes réglementaires et règles de l'art en vigueur du pays où sont installées les chaudières.

Caractéristiques dimensionnelles

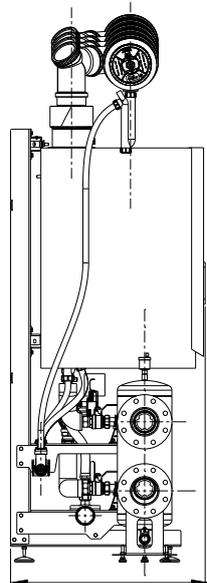




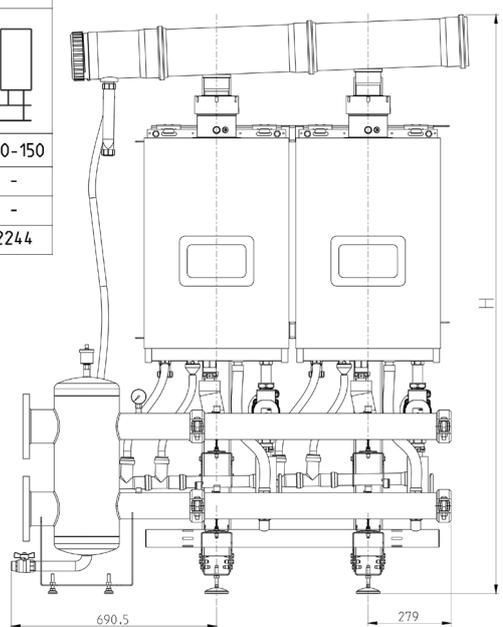
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Collecteur fumée Ø	H											
	35-70		80-100		120-150		35-70		80-100		120-150	
160	1967	2158	-	1987	-	-	2007	-	-	-	-	-
200	-	-	2179	-	2199	-	-	2173	2218	-	-	-
250	-	-	-	-	-	2223	-	-	-	-	2244	-

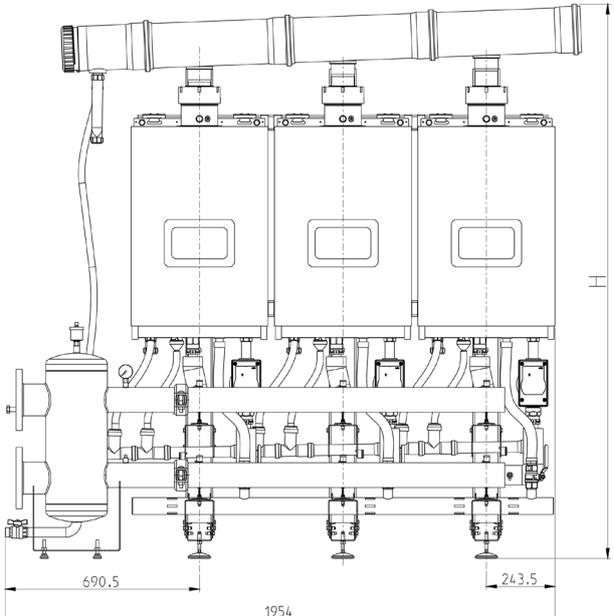
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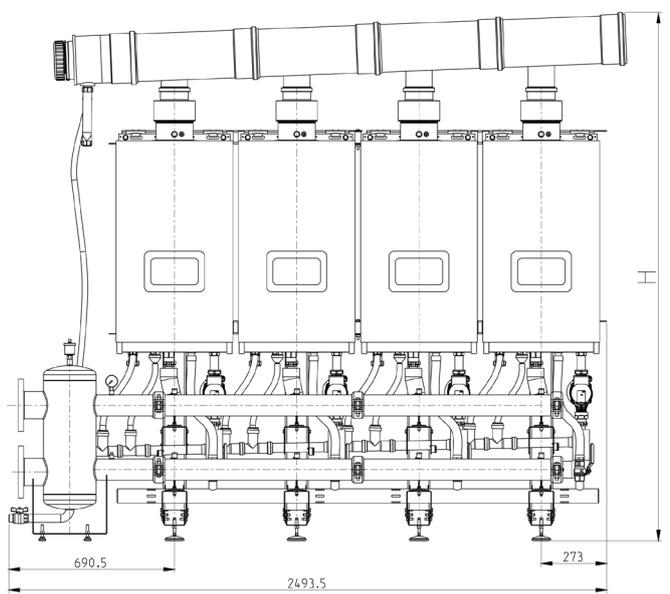
80-150 = 782,5
35-70 = 694,5



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Caractéristiques techniques

Veillez-vous reporter à la notice d'installation, d'utilisation et d'entretien livrée avec les chaudières pour toutes informations concernant les spécificités gaz, de combustion et d'utilisation (à reporter dans le tableau ci-après pour caractériser la cascade).

	Chaudière de la cascade				Total cascade	
	A	B	C	D		
Puissance nominale (80/60°C) Pn					A + B + C + D	kW
Puissance nominale (50/60°C)					A + B + C + D	kW
Débit calorifique nominal Qn					A + B + C + D	kW
Débit calorifique mini Qmin					Mini des Qmin	kW
Débit de gaz à Pn*					A + B + C + D	m ³ /h
Débit des fumées à Qn					A + B + C + D	g/s
Débit d'air comburant à Qn*					A + B + C + D	m ³ /h
Débit nominal d'irrigation					A + B + C + D	m ³ /h
Contenance en eau					A + B + C + D + E **	l

* à : 15°C, 1013 mbar

** avec E = 35 litres si cascade Duo, E = 39 litres si cascade Trio, et E = 46 litres si cascade Quattro

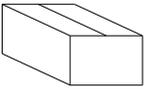
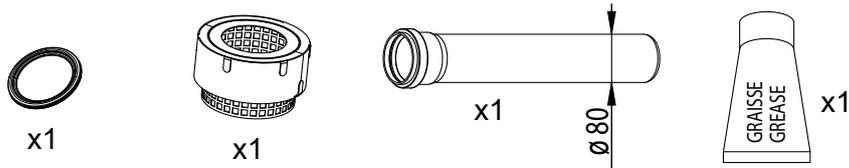
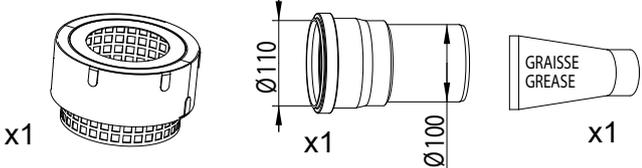
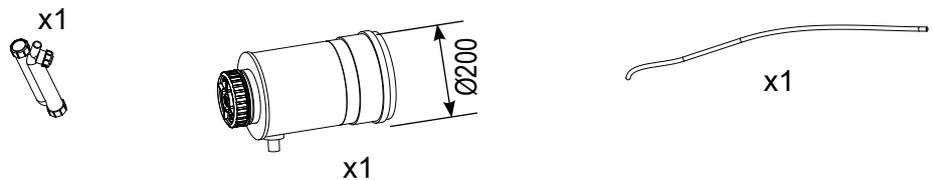
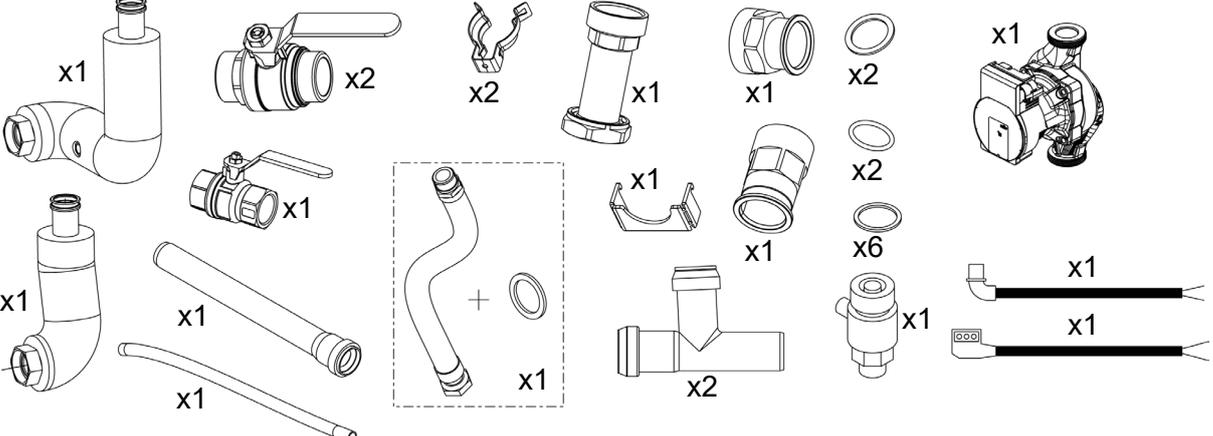
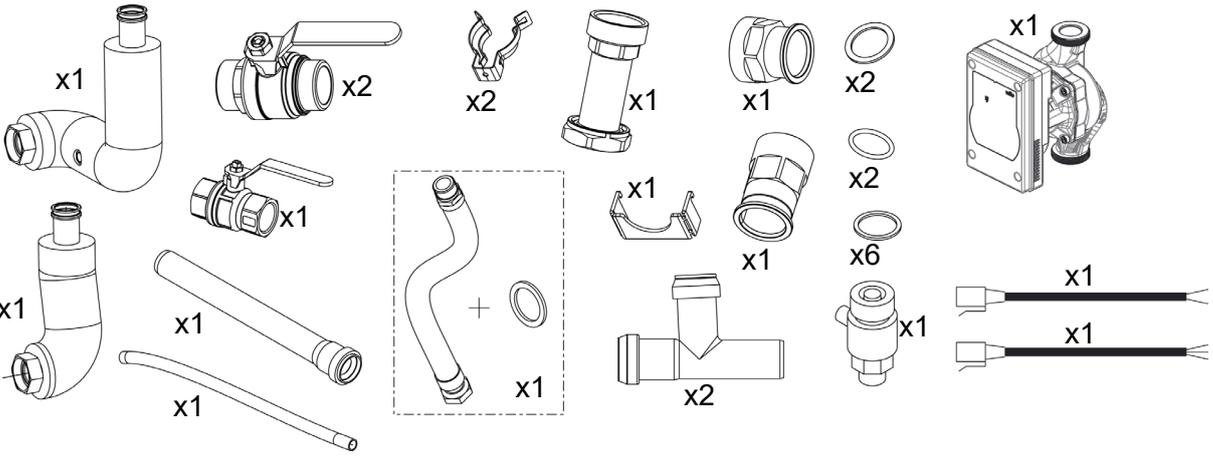
Avertissement

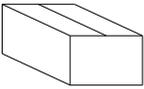
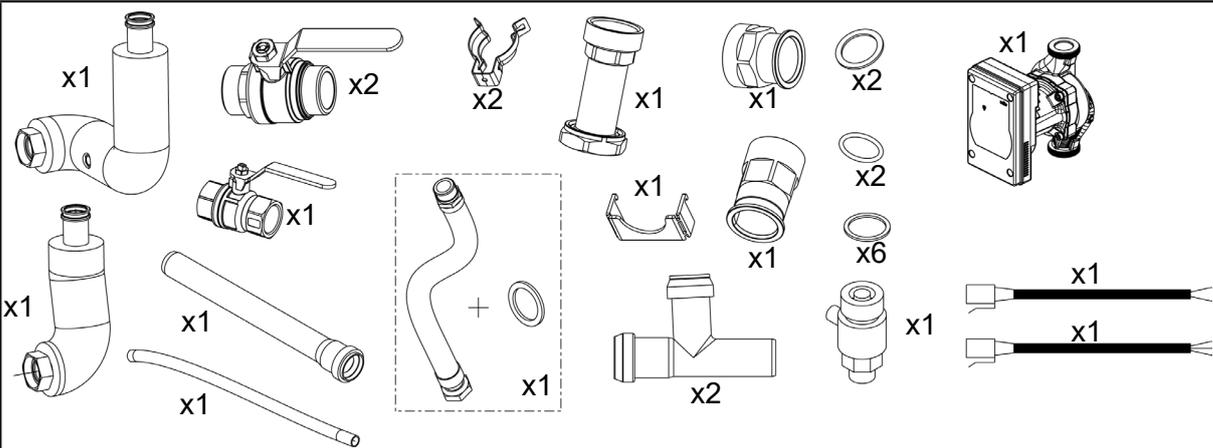
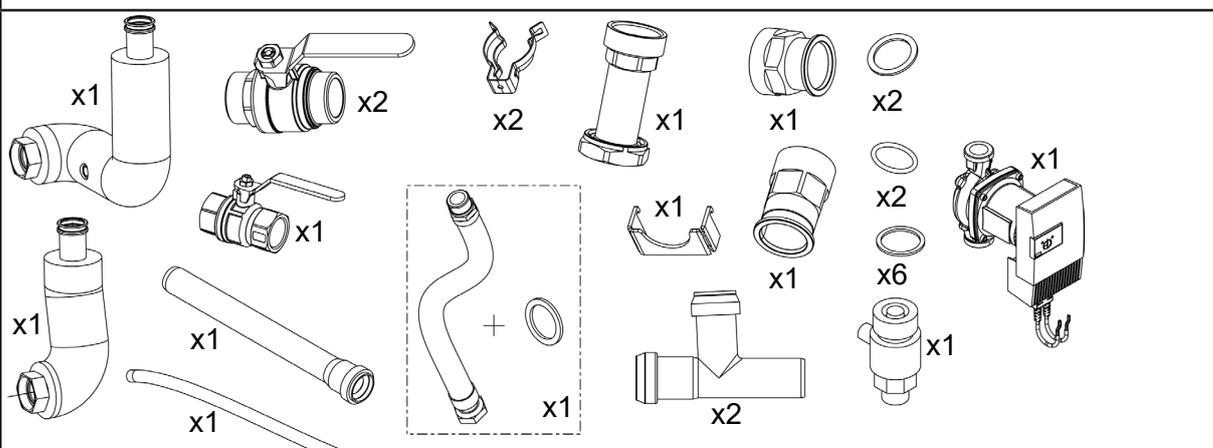
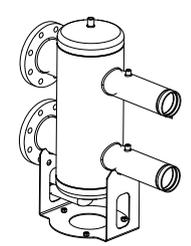
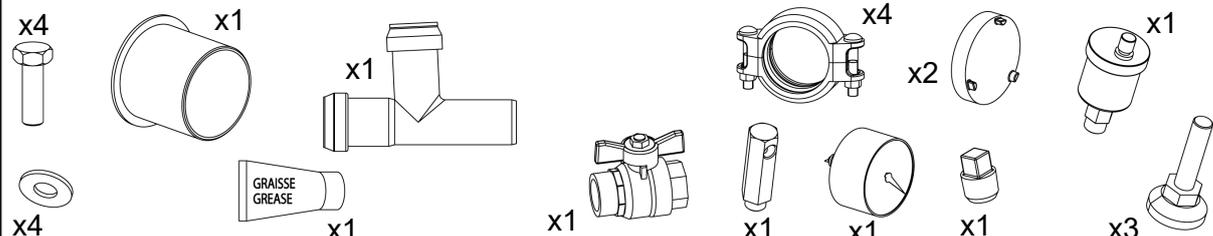
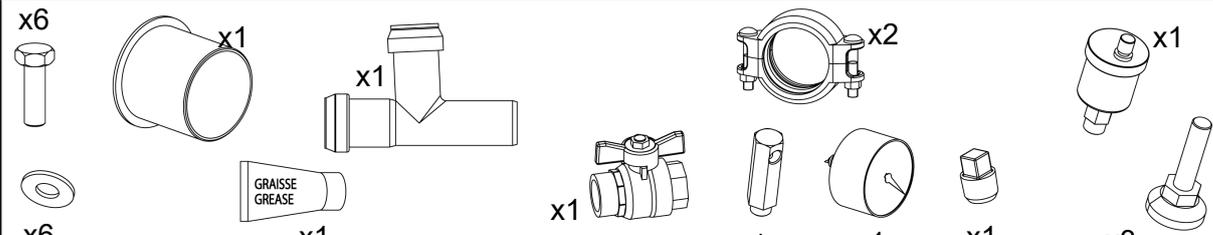
La présente notice décrit le montage du kit cascade avec l'alimentation en gaz et l'évacuation des fumées à droite du kit, et la bouteille de découplage et l'évacuation des condensats à gauche du kit.

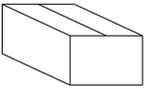
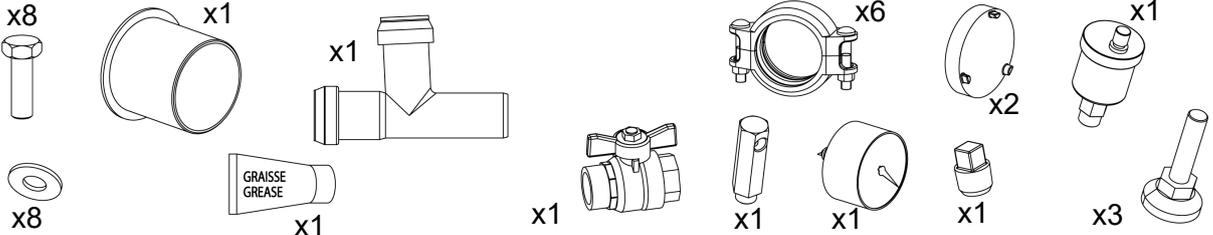
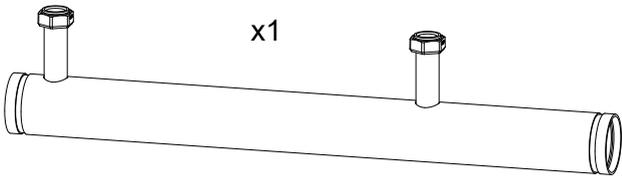
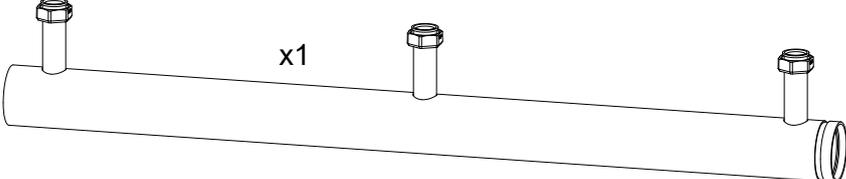
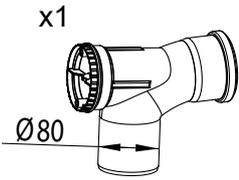
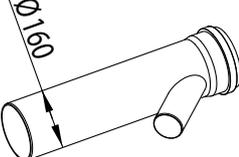
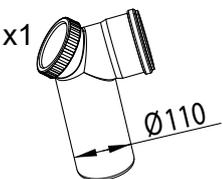
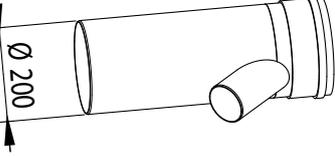
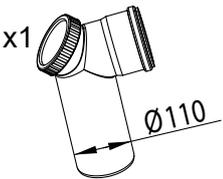
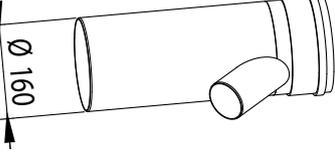
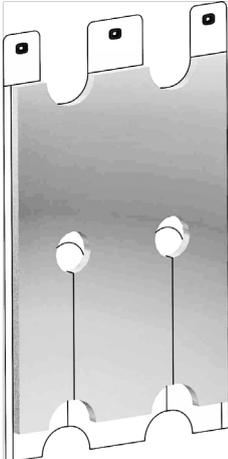
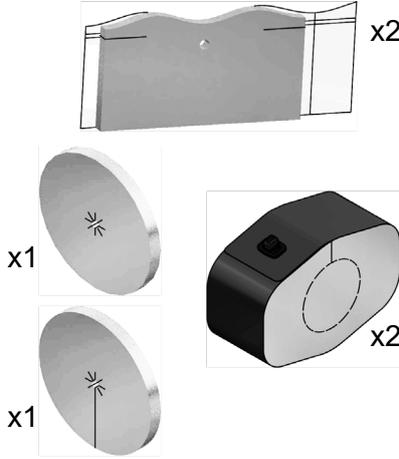
Il est possible de changer de côté chacun de ces éléments. Veuillez-vous reporter aux chapitres concernés pour connaître les spécificités de montage.

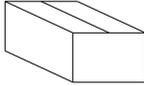
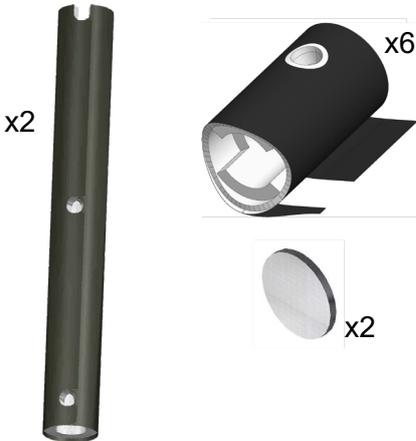
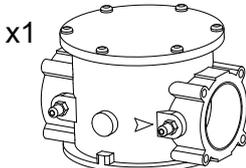
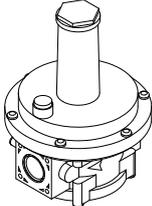
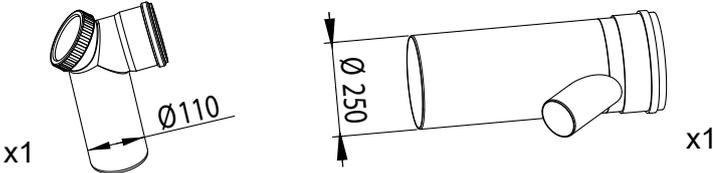
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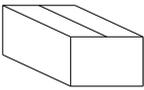
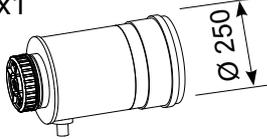
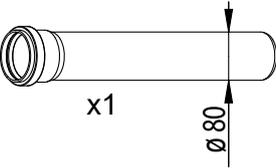
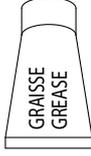
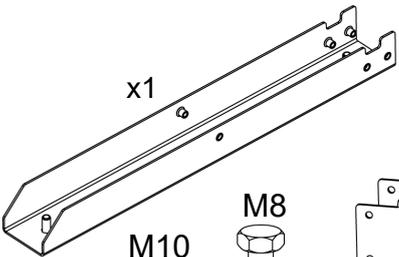
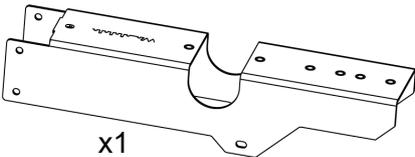
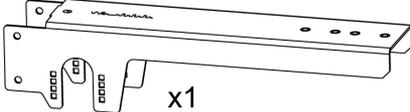
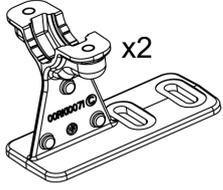
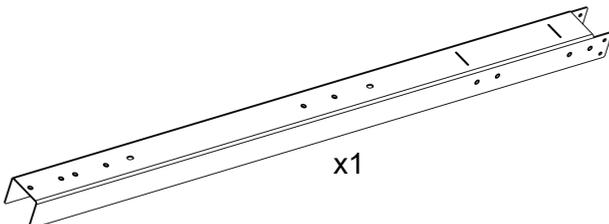
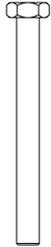
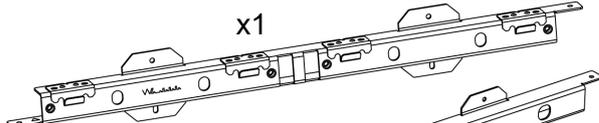
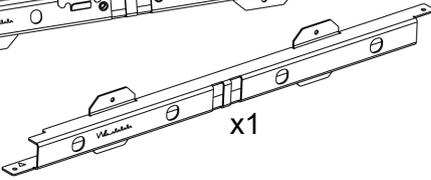
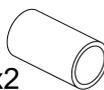
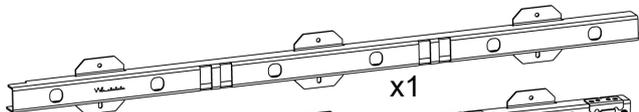
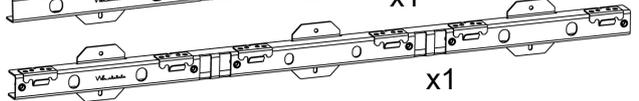
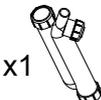
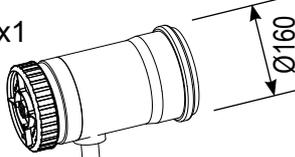
Composition des colis

	
040945	
041052	
041054	
082663	
082664	

	
082665	
082666	
082306	
082672	
082673	

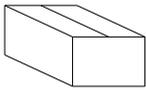
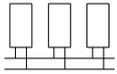
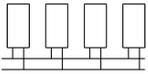
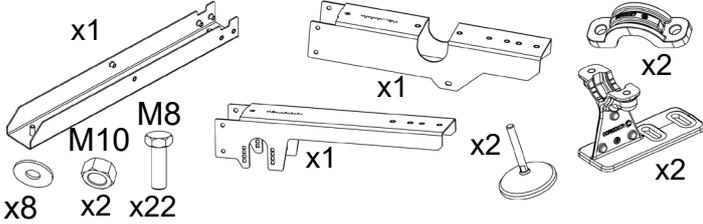
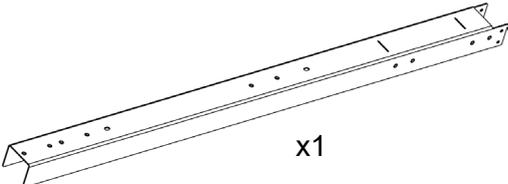
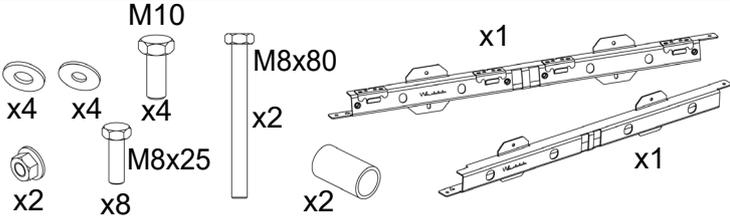
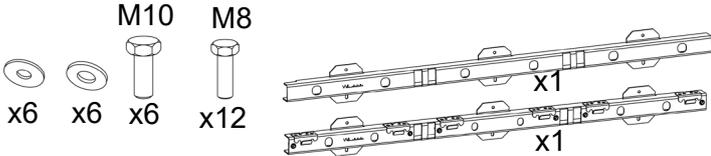
		
082674	 <p>x8 x1 x1 GRAISSE GREASE x1 x1 x6 x2 x1 x8 x1 x1 x1 x1 x3</p>	
082710		
082711		
083848	 <p>x1 Ø80</p>	 <p>Ø160 x1</p>
083849	 <p>x1 Ø110</p>	 <p>Ø200 x1</p>
083850	 <p>x1 Ø110</p>	 <p>Ø160 x1</p>
083868	 <p>x1</p>	 <p>x2 x1 x1 x2</p>

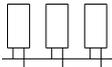
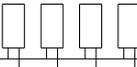
	
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082321	
059772	
082608	
083851	

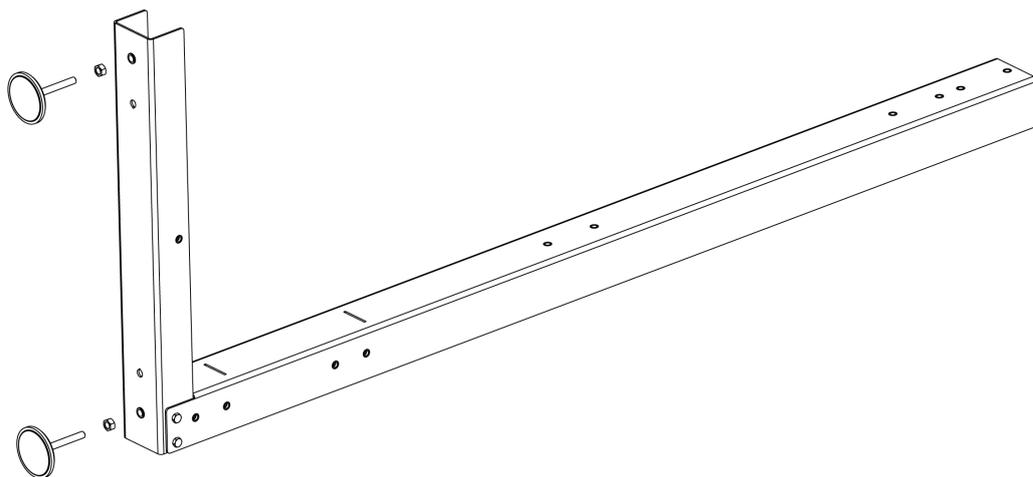
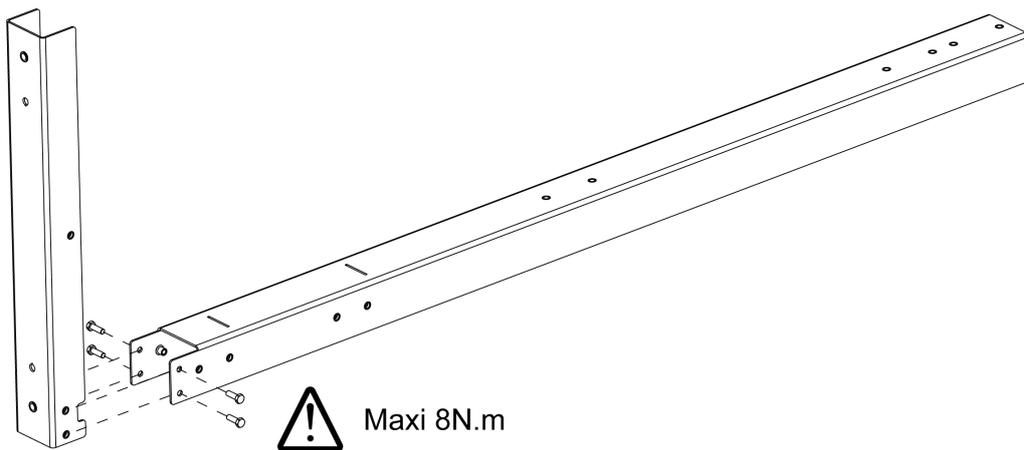
	
082336	 x1  x1  x1
083852	 x1  x1  x1  x1  x1
083377	 x1  x1  x2  x1  M8 x22  M10 x2  x8  x2  x2
082660	 x1
082661	 x4  x4  M10  M8x80 x2  x1  x1  x2  M8x25 x8  M8x80 x2  x2
082662	 x6  x6  M10 x6  M8 x12  x1  x1
700791	 x1  x1  x1

3.

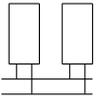
Chassis

				
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082660		x2	x3	x4
082661		x1		x2
082662			x1	

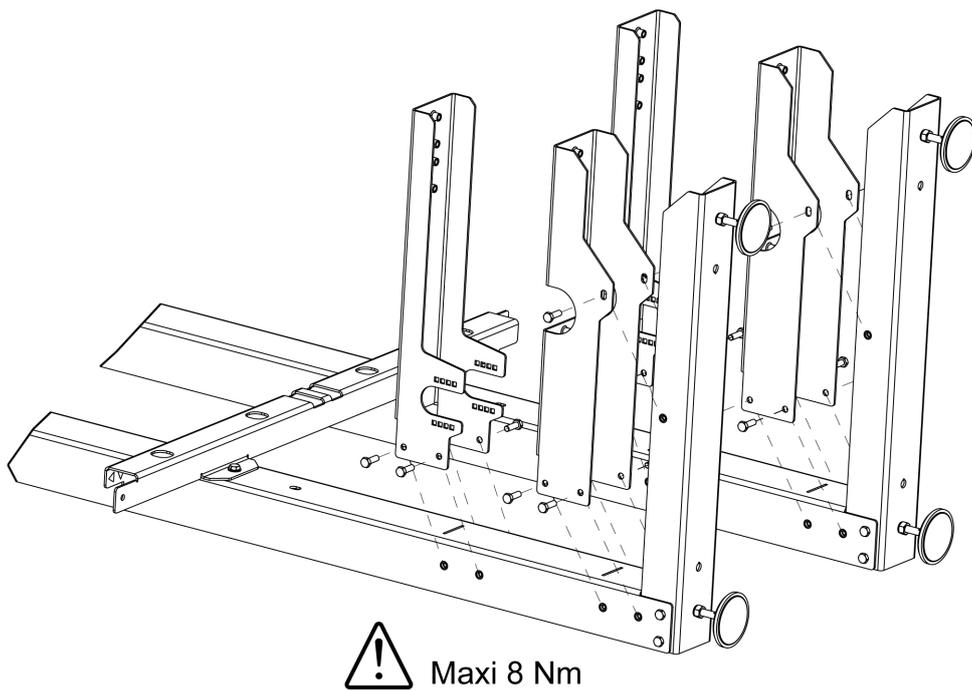
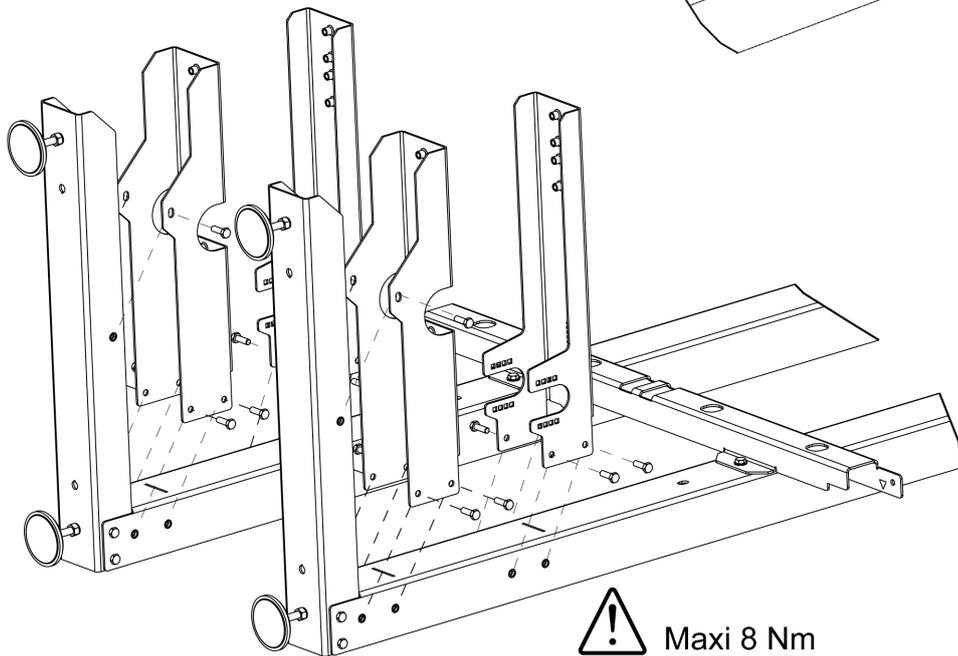
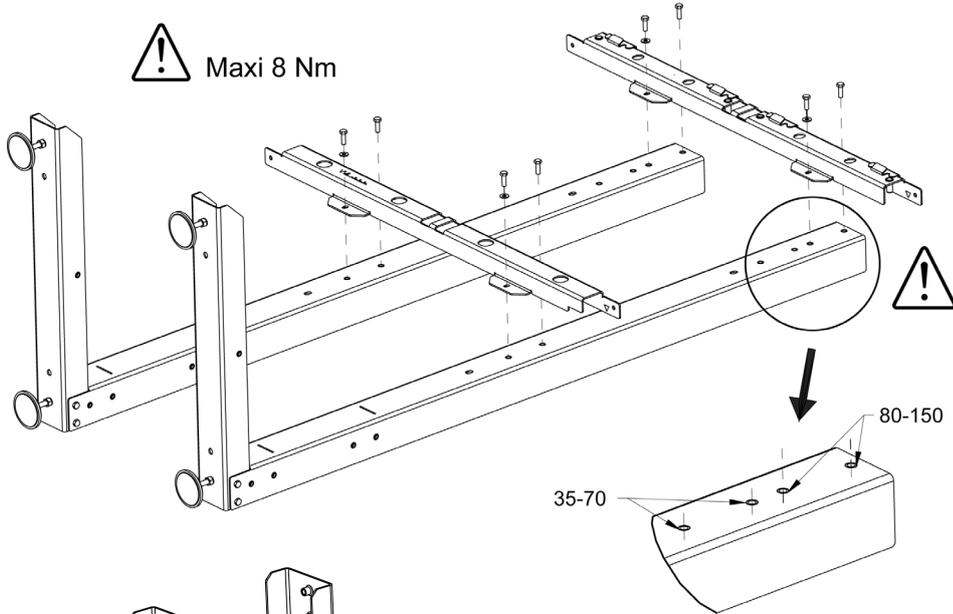
		
x2	x3	x4



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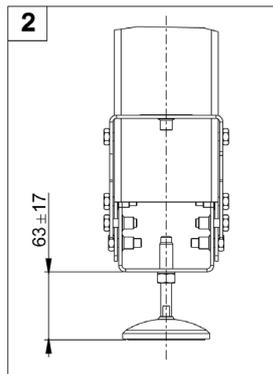
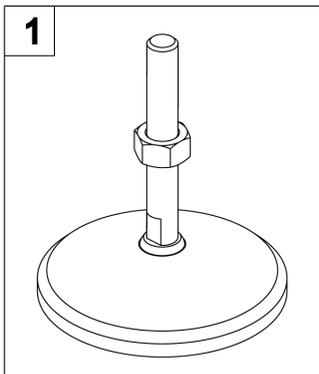
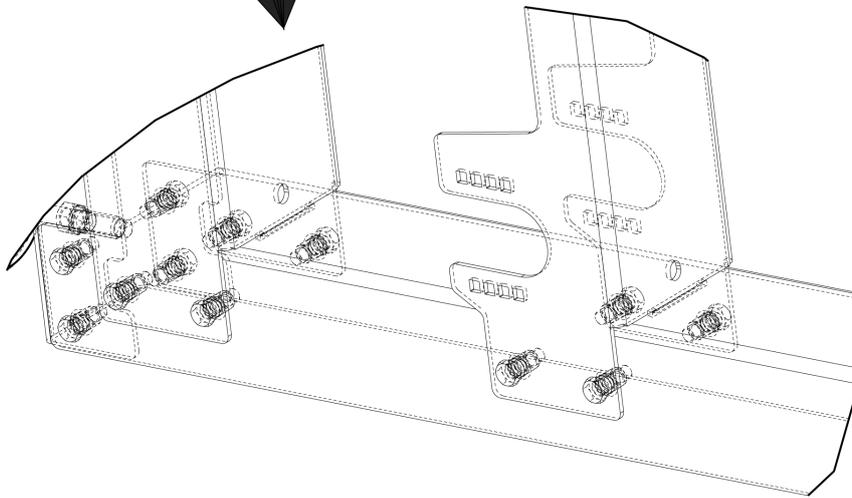
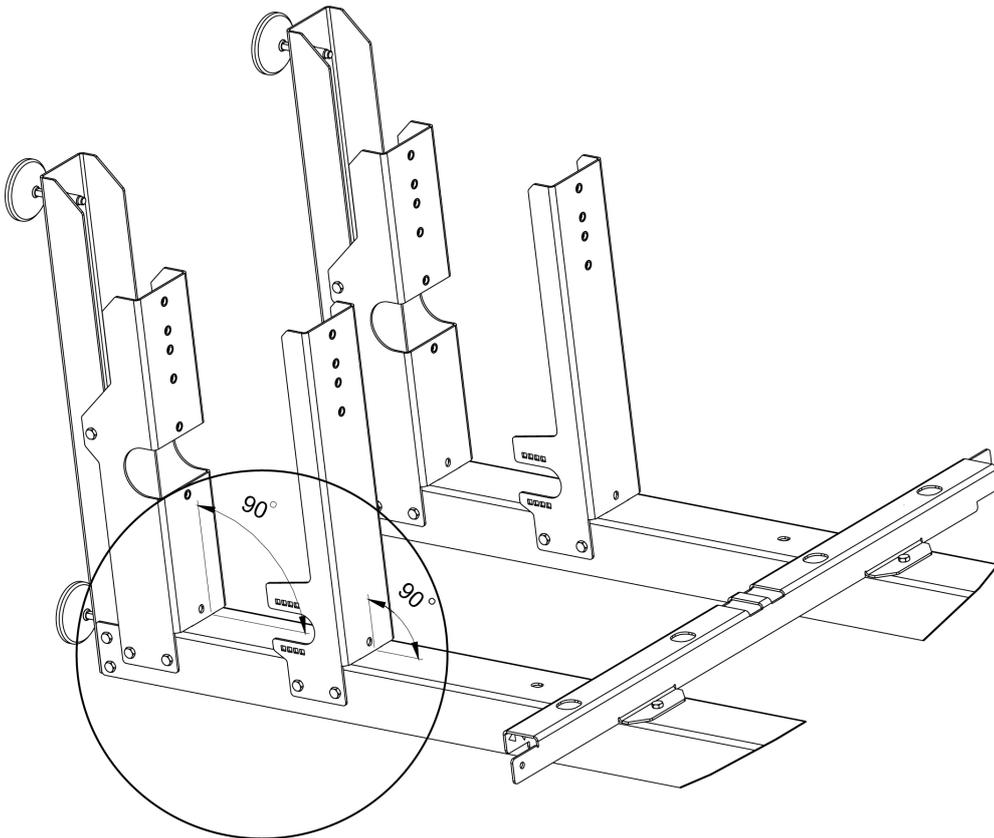
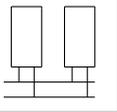


! Maxi 8 Nm



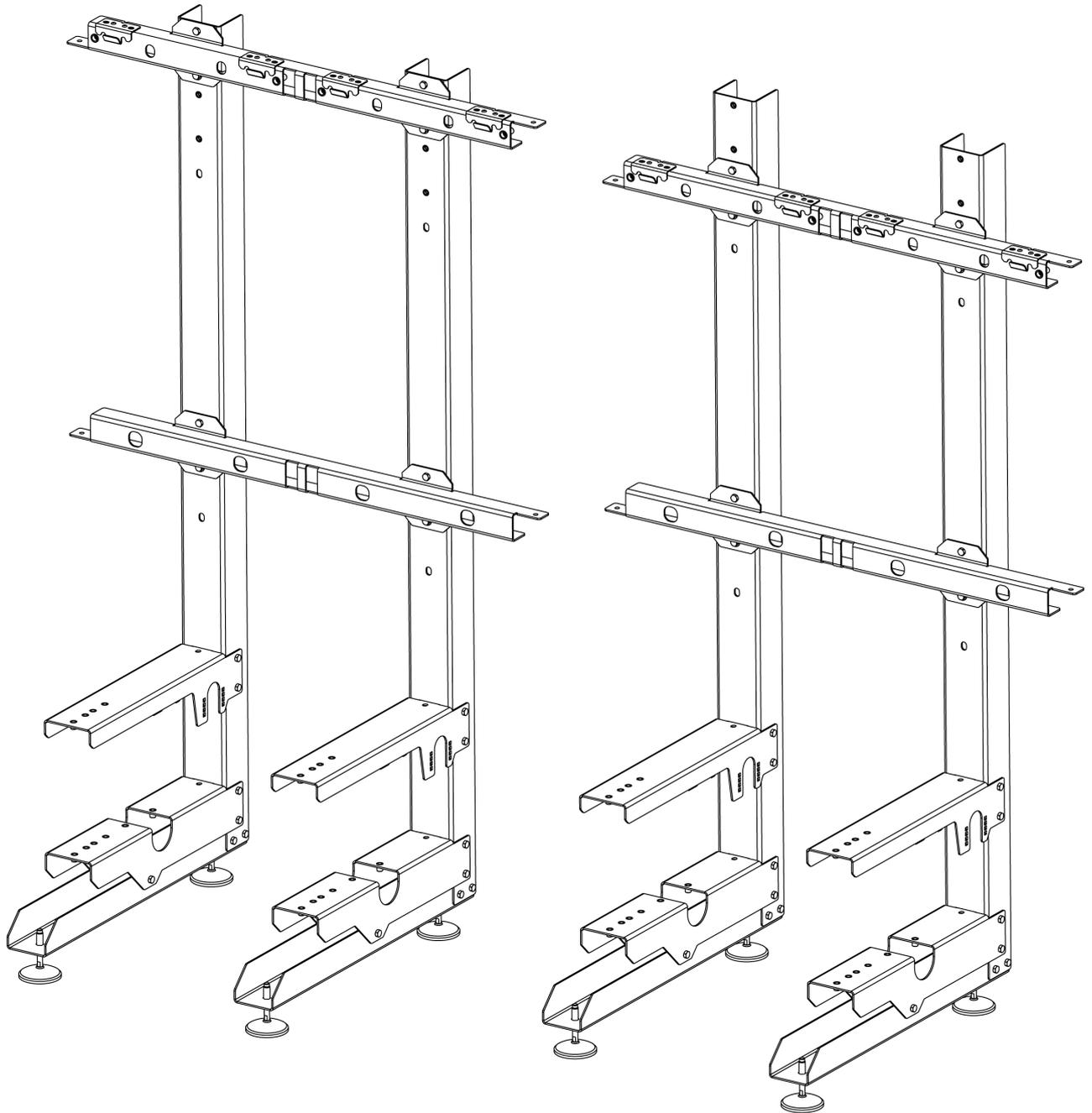
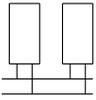
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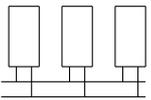


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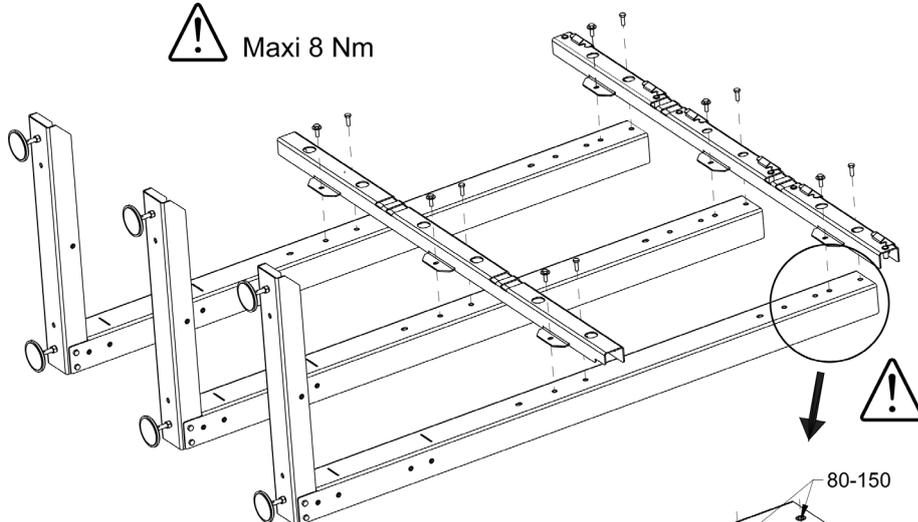
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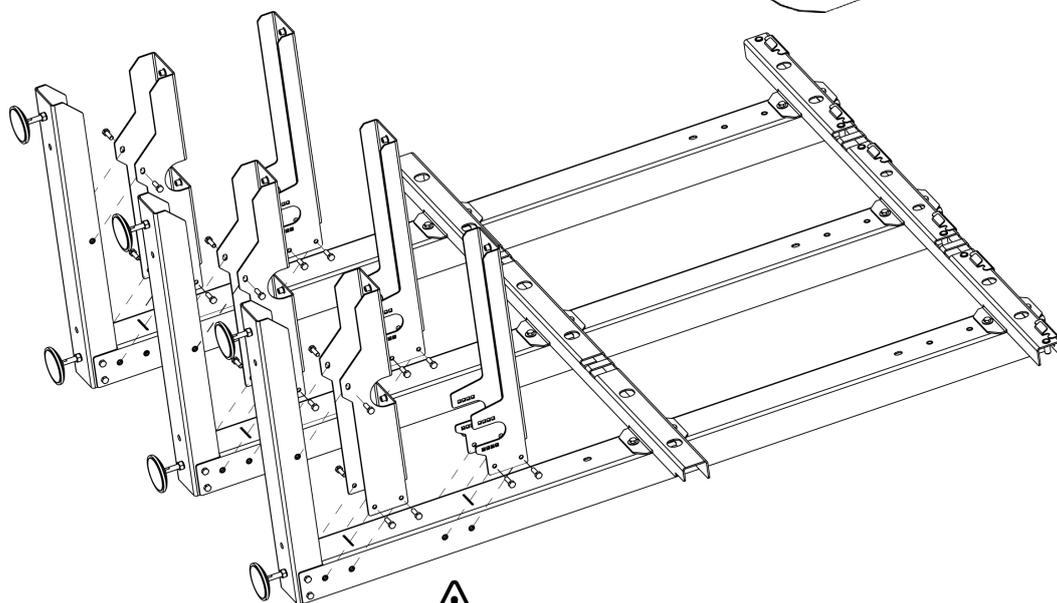
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⚠ Maxi 8 Nm

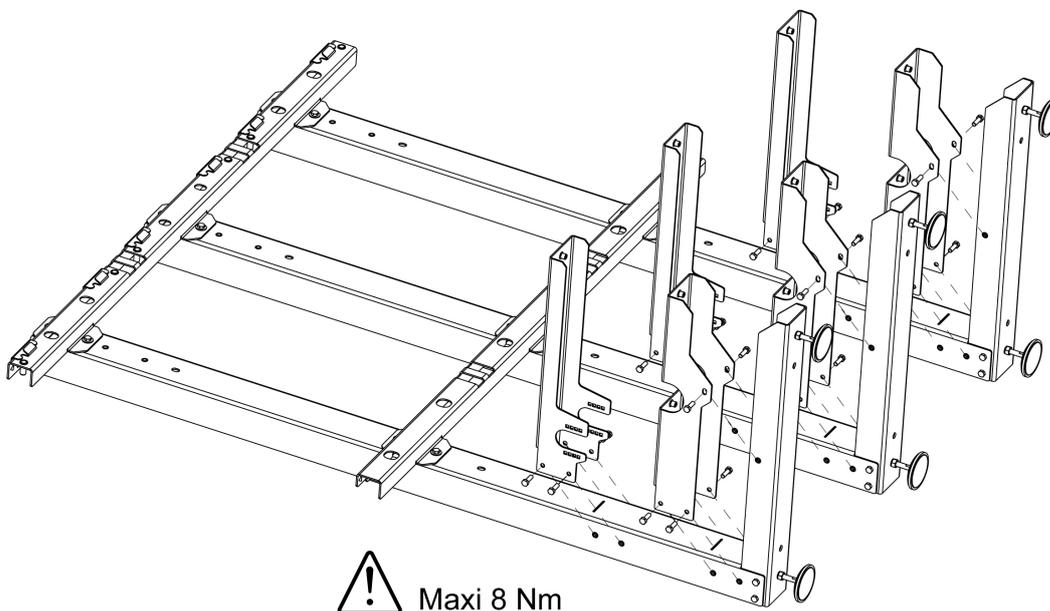


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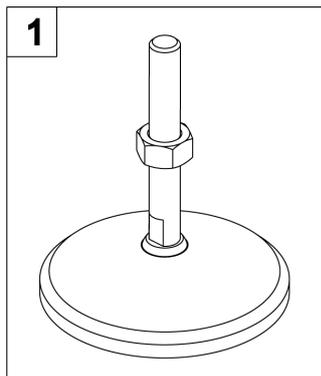
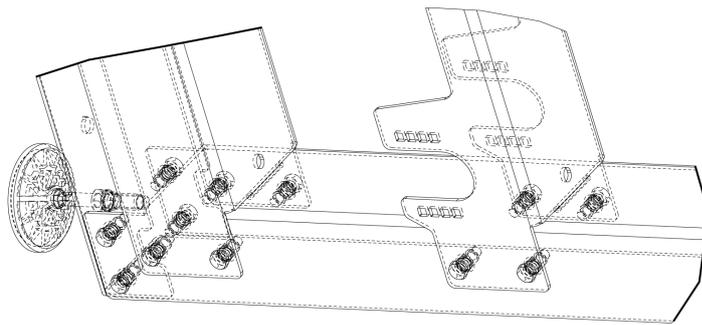
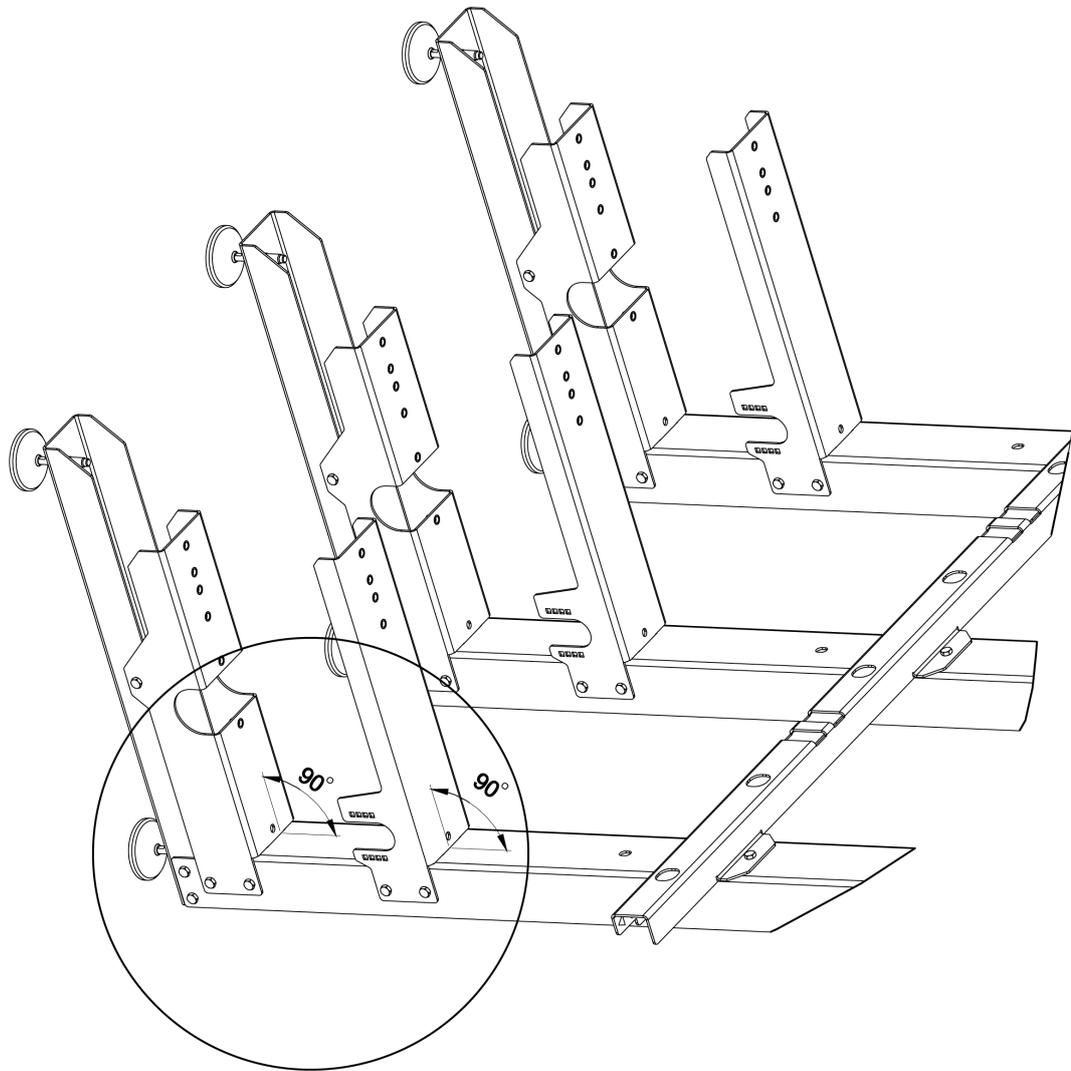
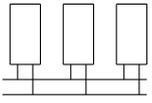


⚠ Maxi 8 Nm

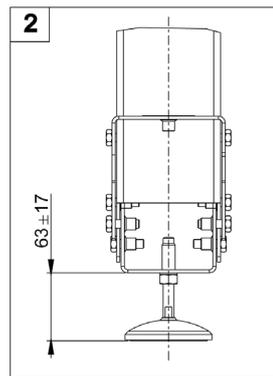
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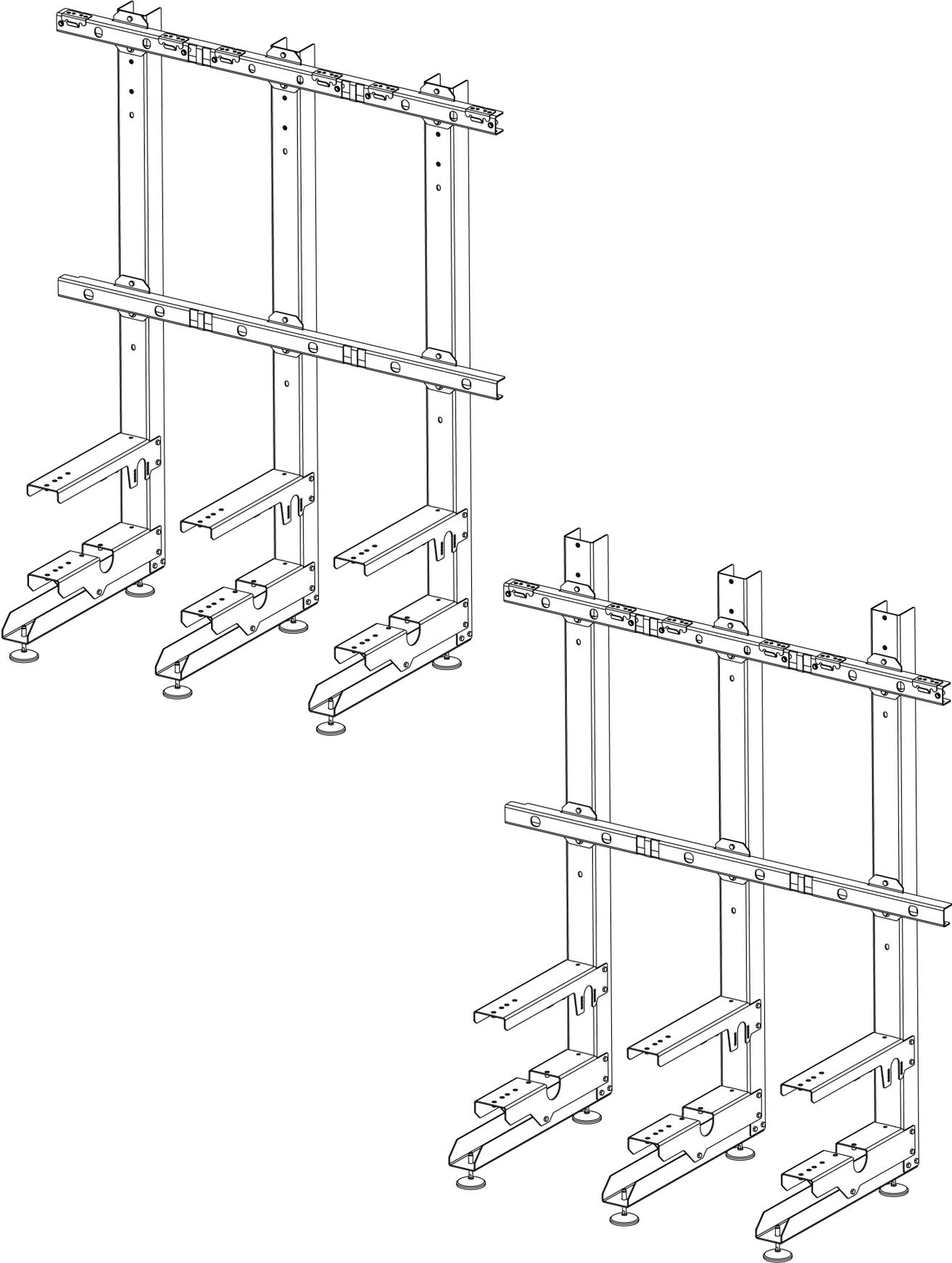
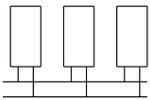
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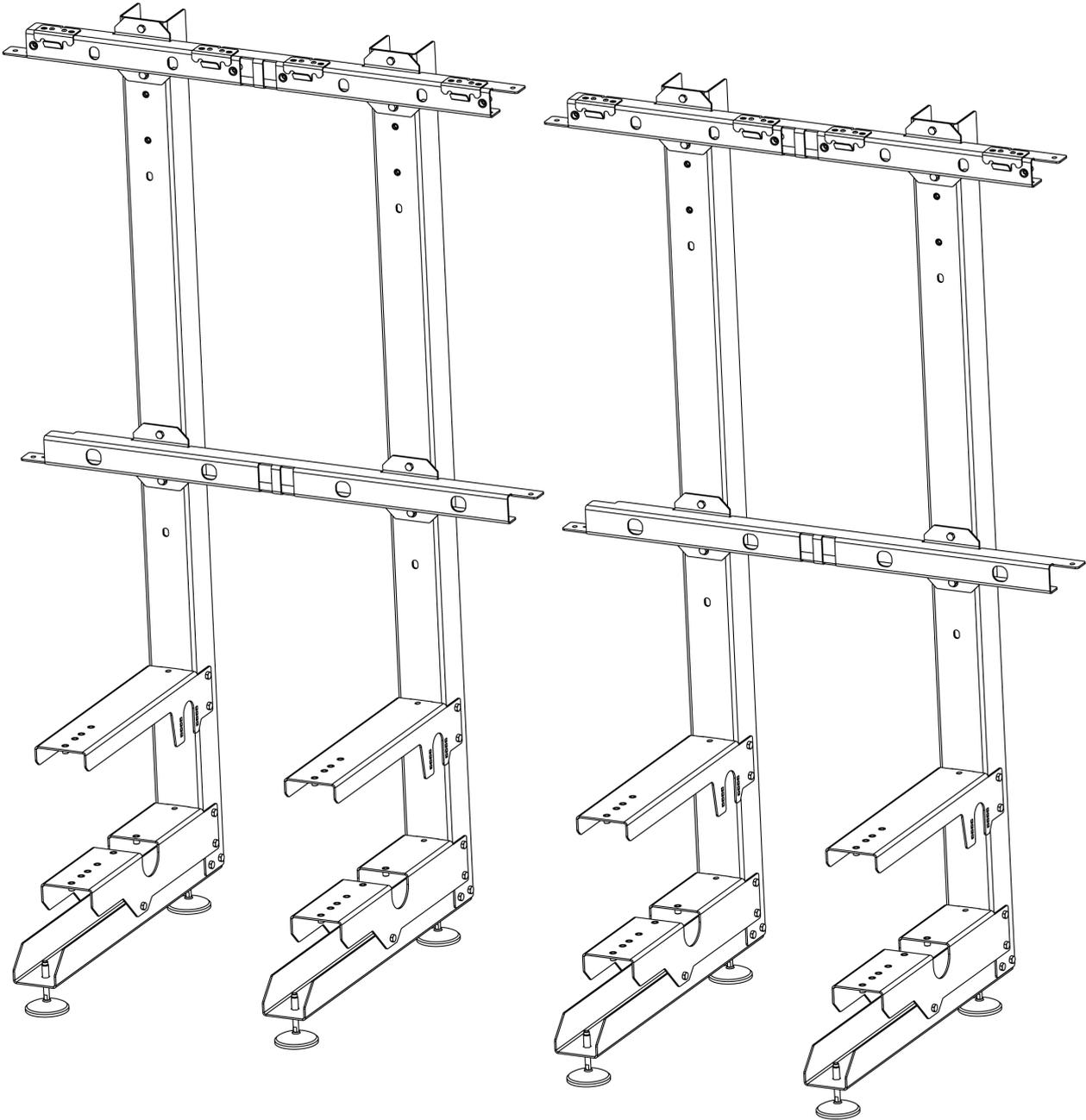
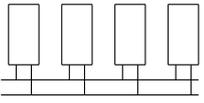
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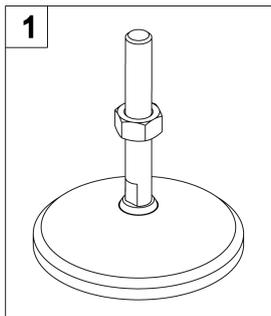
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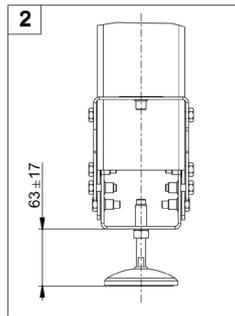
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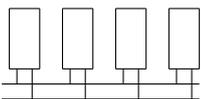


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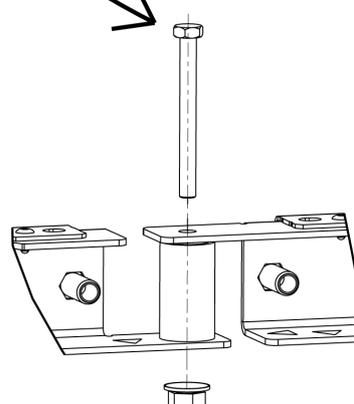
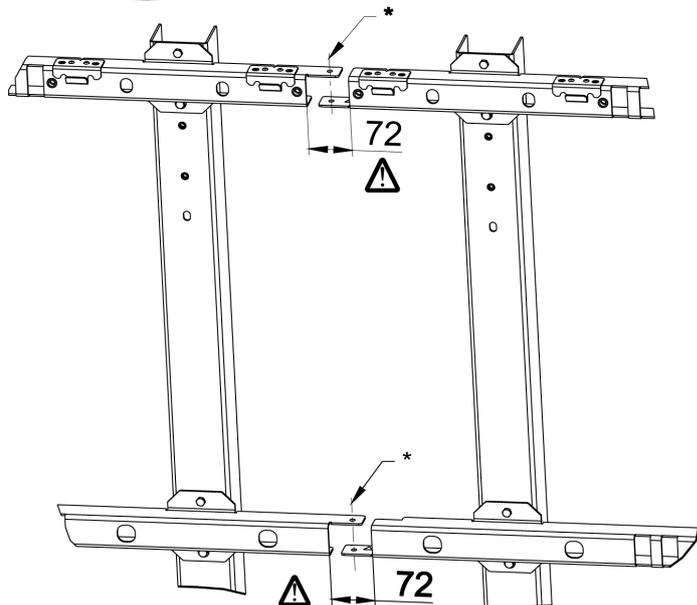
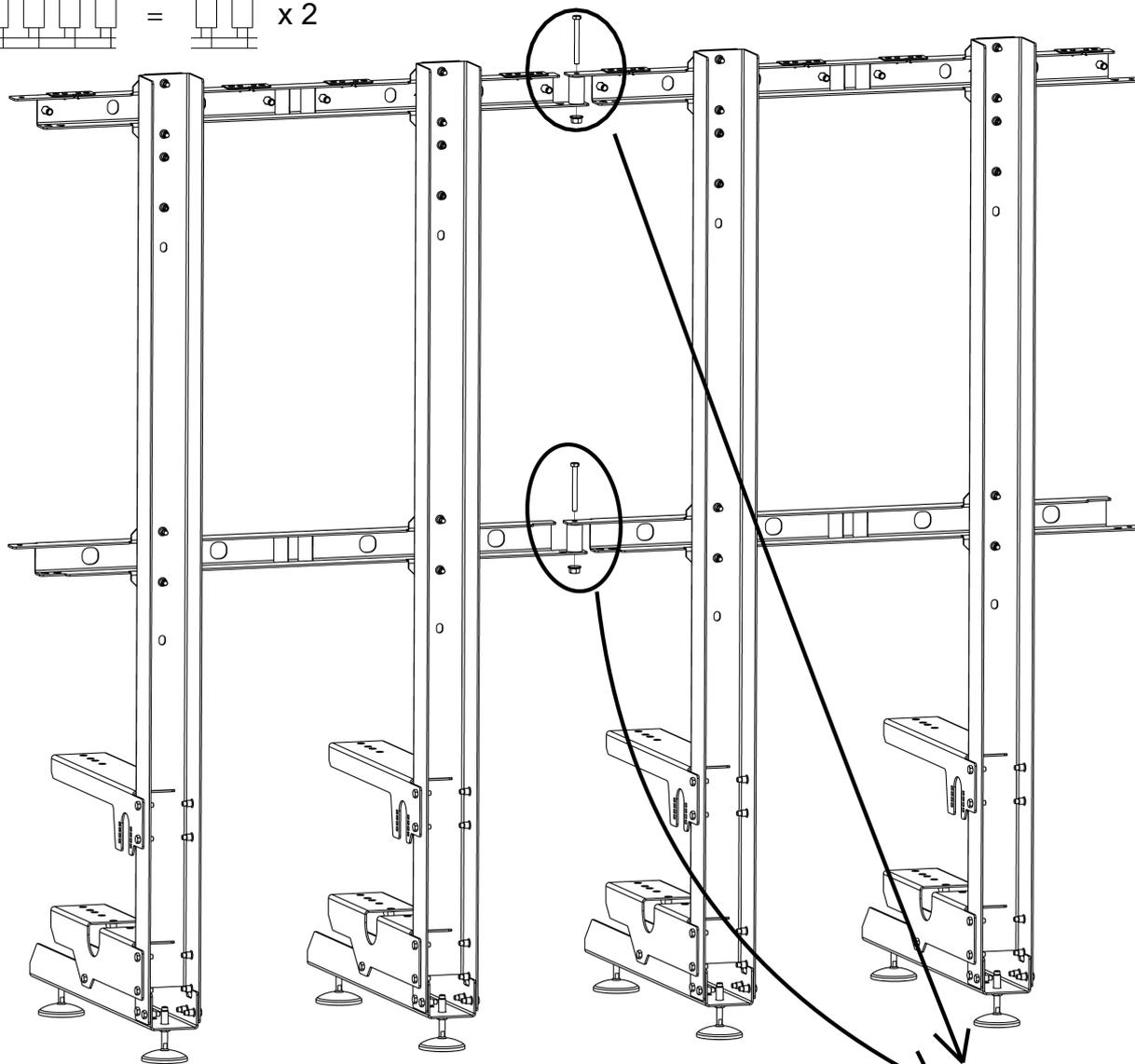


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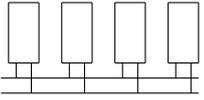


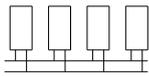
= x 2

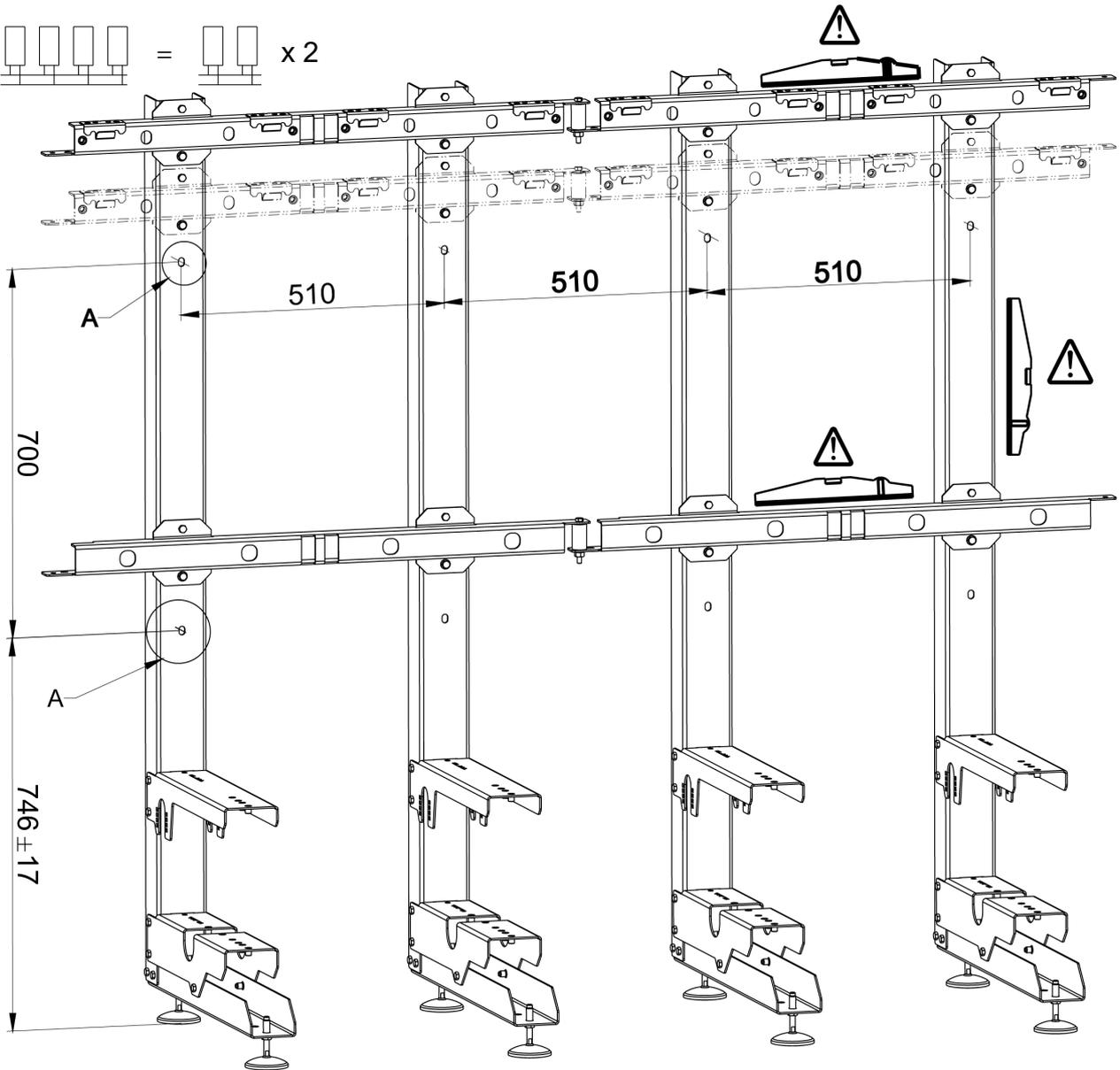


* : Aligner les axes

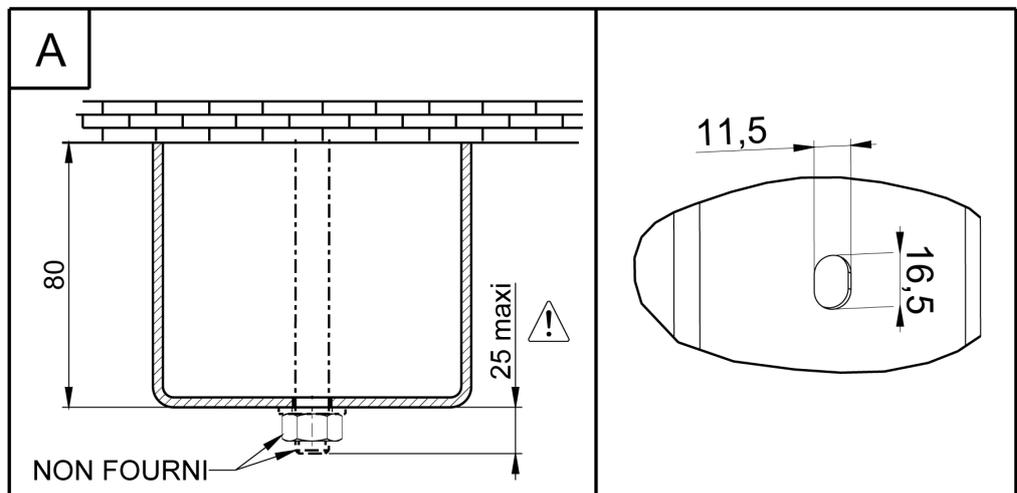
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 =  x 2



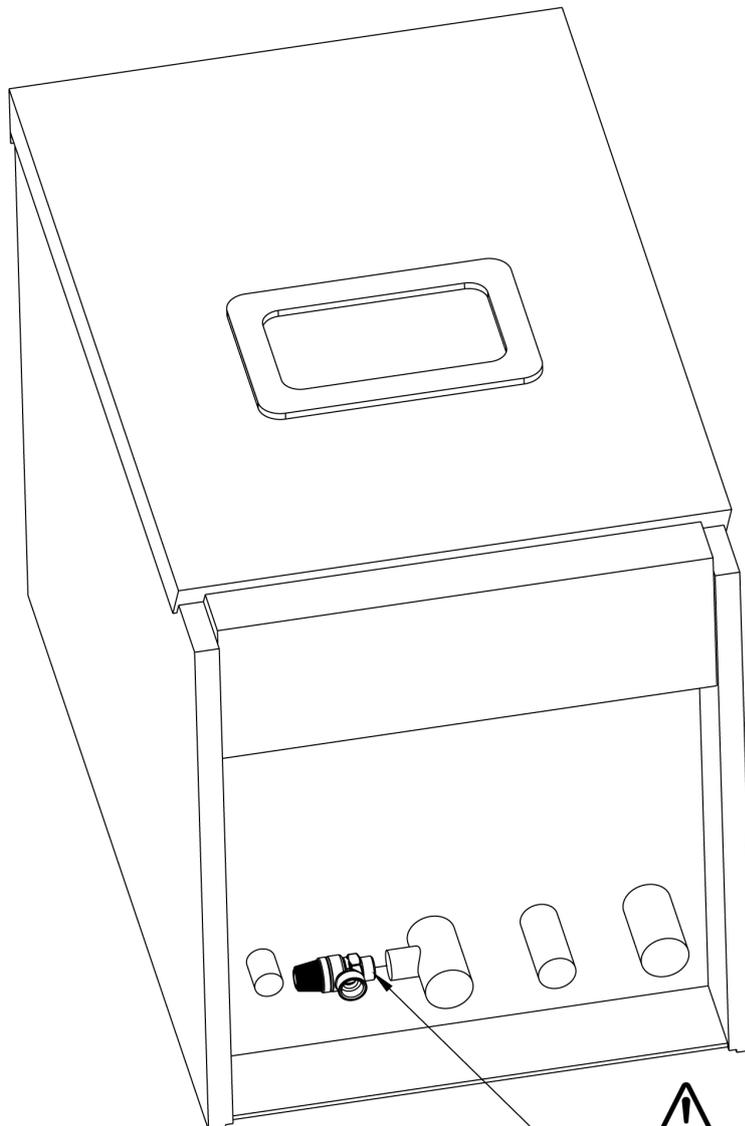
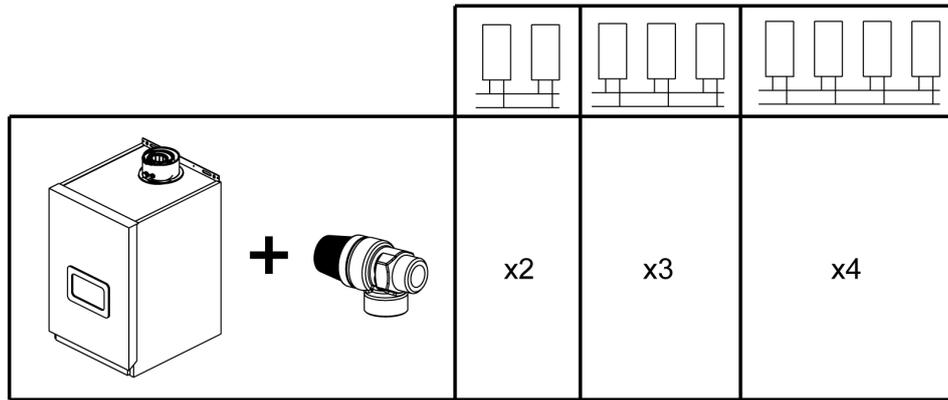
FIXATION MURALE



00U07404150-A-F1

4.

Soupape de sécurité

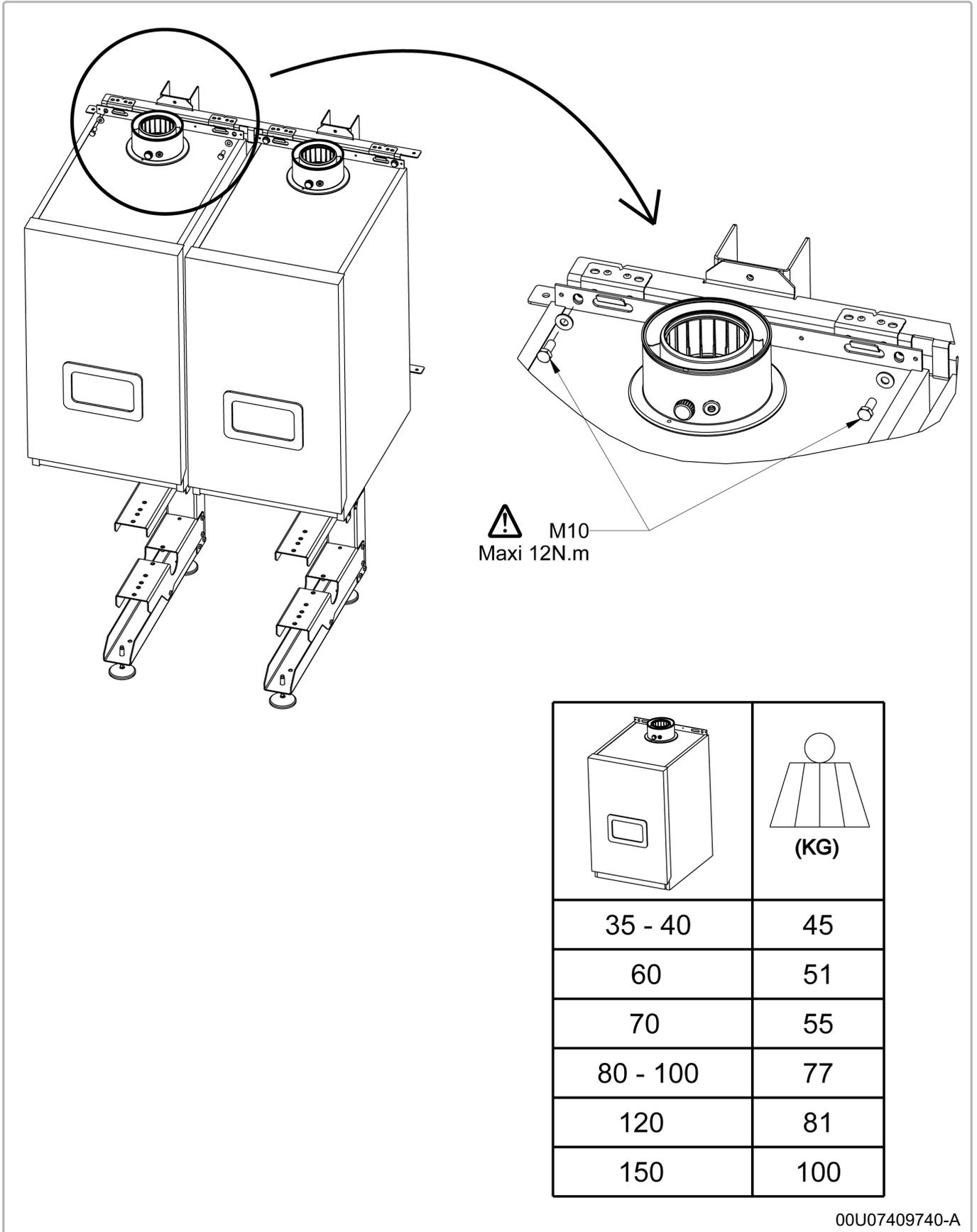


Etanchéité

00U07416670-A

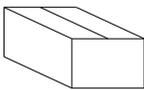
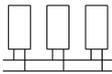
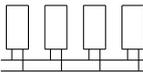
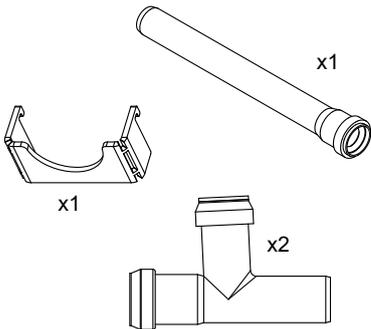
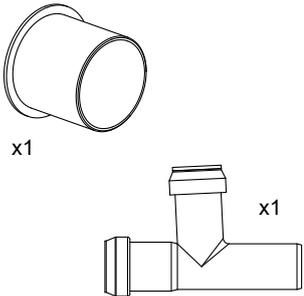
5.

Chaudières sur chassis



6.

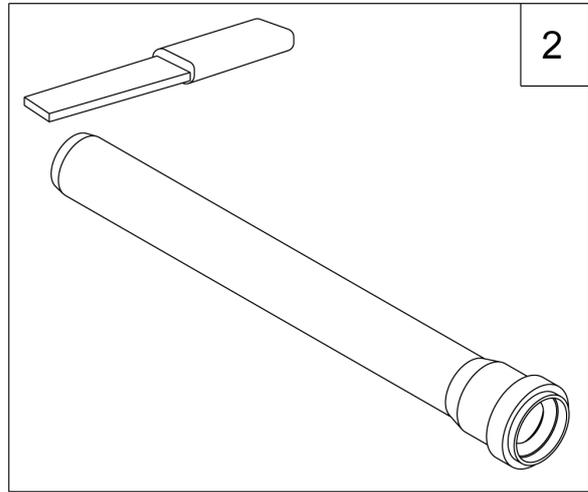
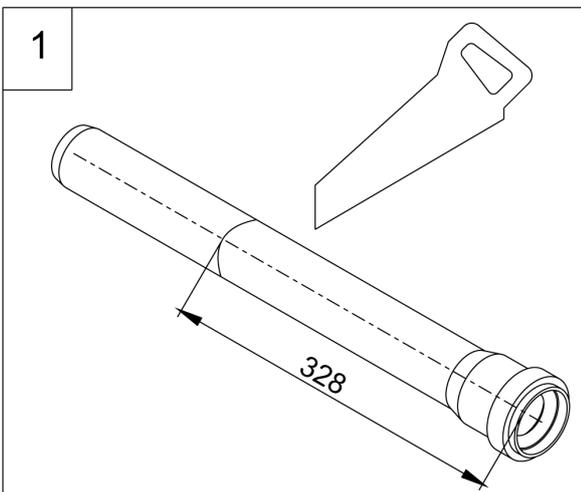
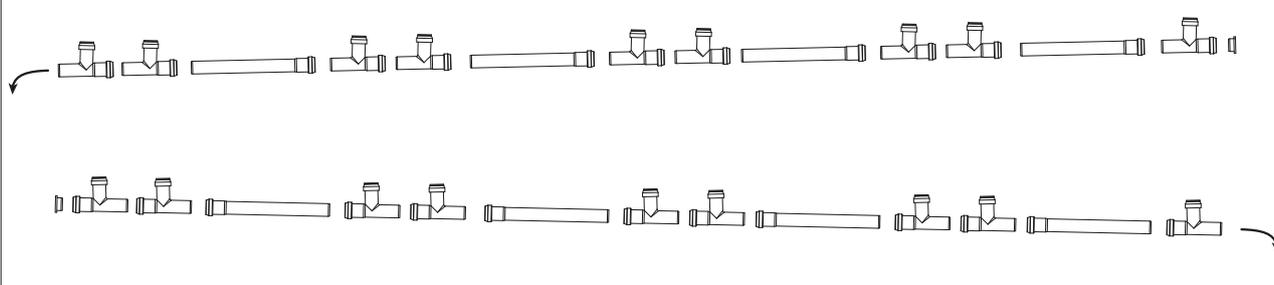
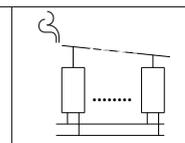
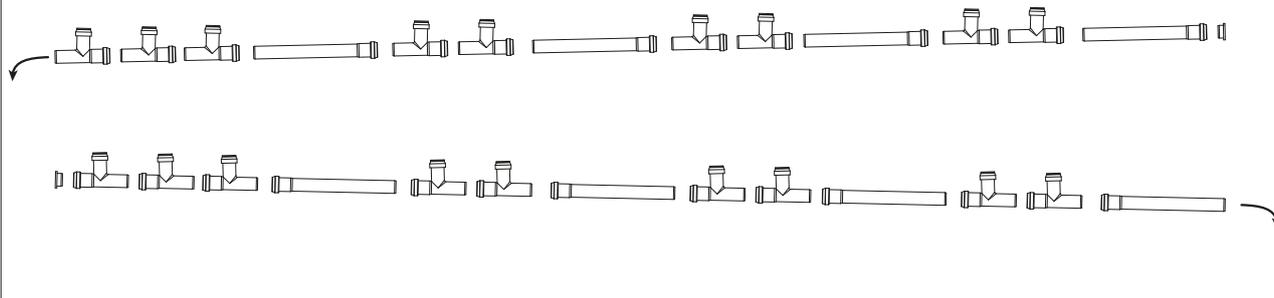
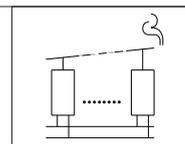
Tubes évacuation condensats

					
082663 082664 082665 082666		x2	x3	x4	082663 : 35 - 40 - 60 082664 : 70 - 80 - 100 082665 : 120 082666 : 150
082672		x1			35 - 40 - 60 70 - 80 - 100 120 - 150
082673			x1		
082674				x1	

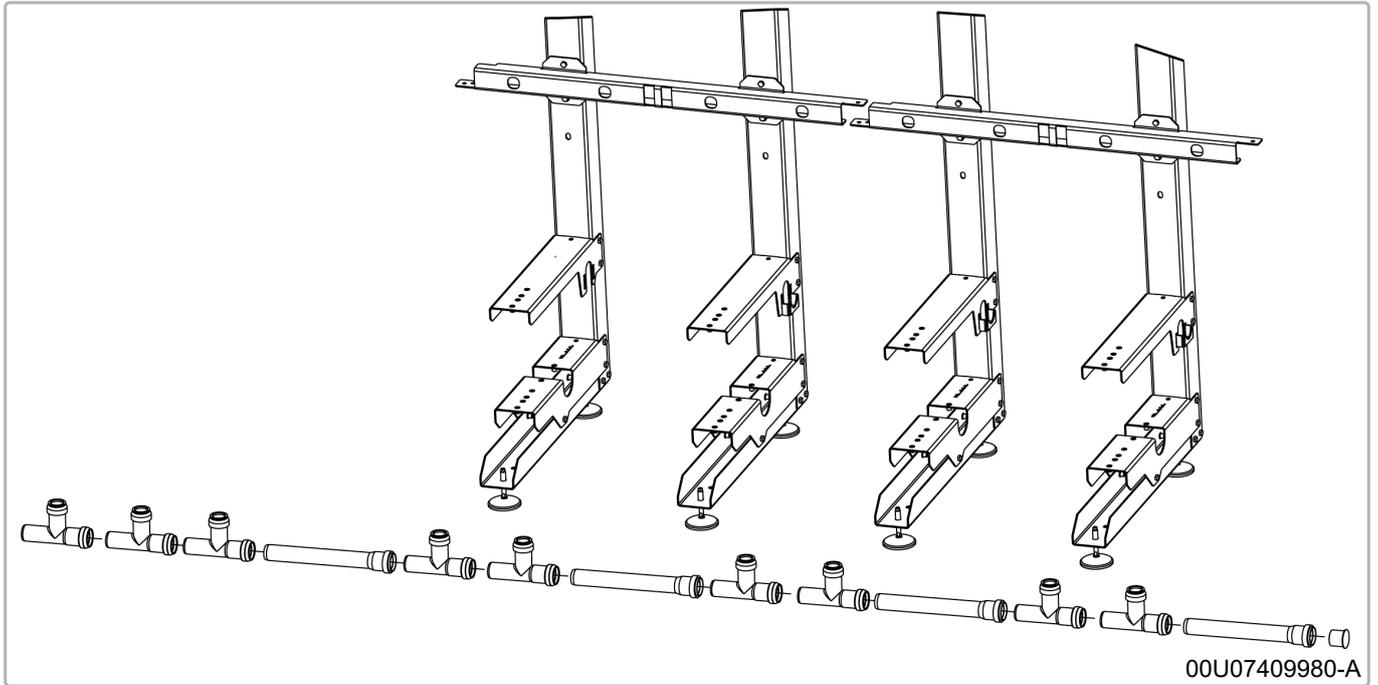
FR

Si le raccordement à l'égout se trouve à droite du kit, l'orientation et la pente du collecteur doivent être inversés par rapport aux vues ci-après.

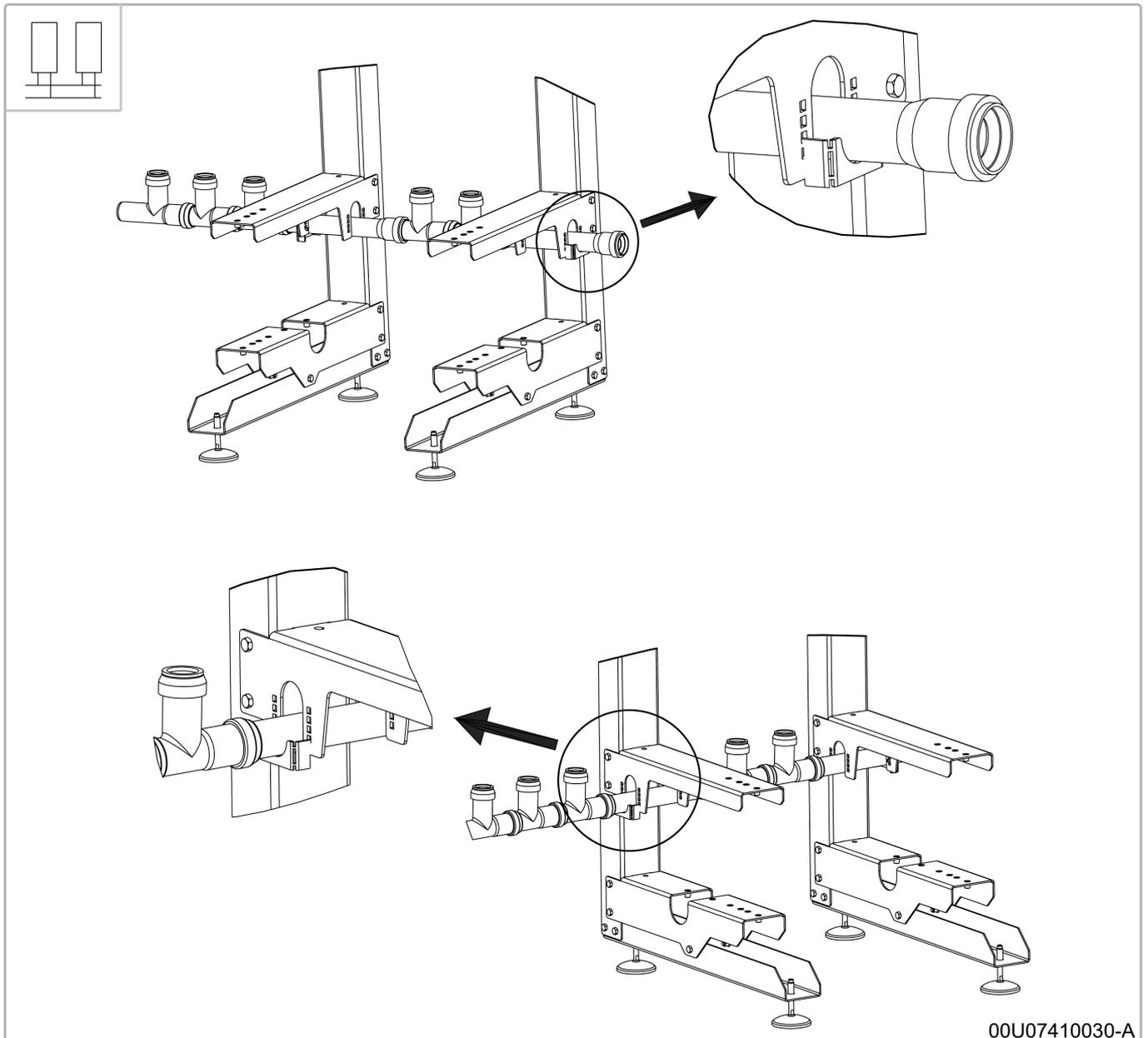
Si le raccordement à l'égout et l'évacuation des fumées se trouvent du même côté du kit, dans les représentations suivantes il est nécessaire de monter le té de raccordement le plus à gauche à l'opposé du collecteur (juste avant le bouchon).



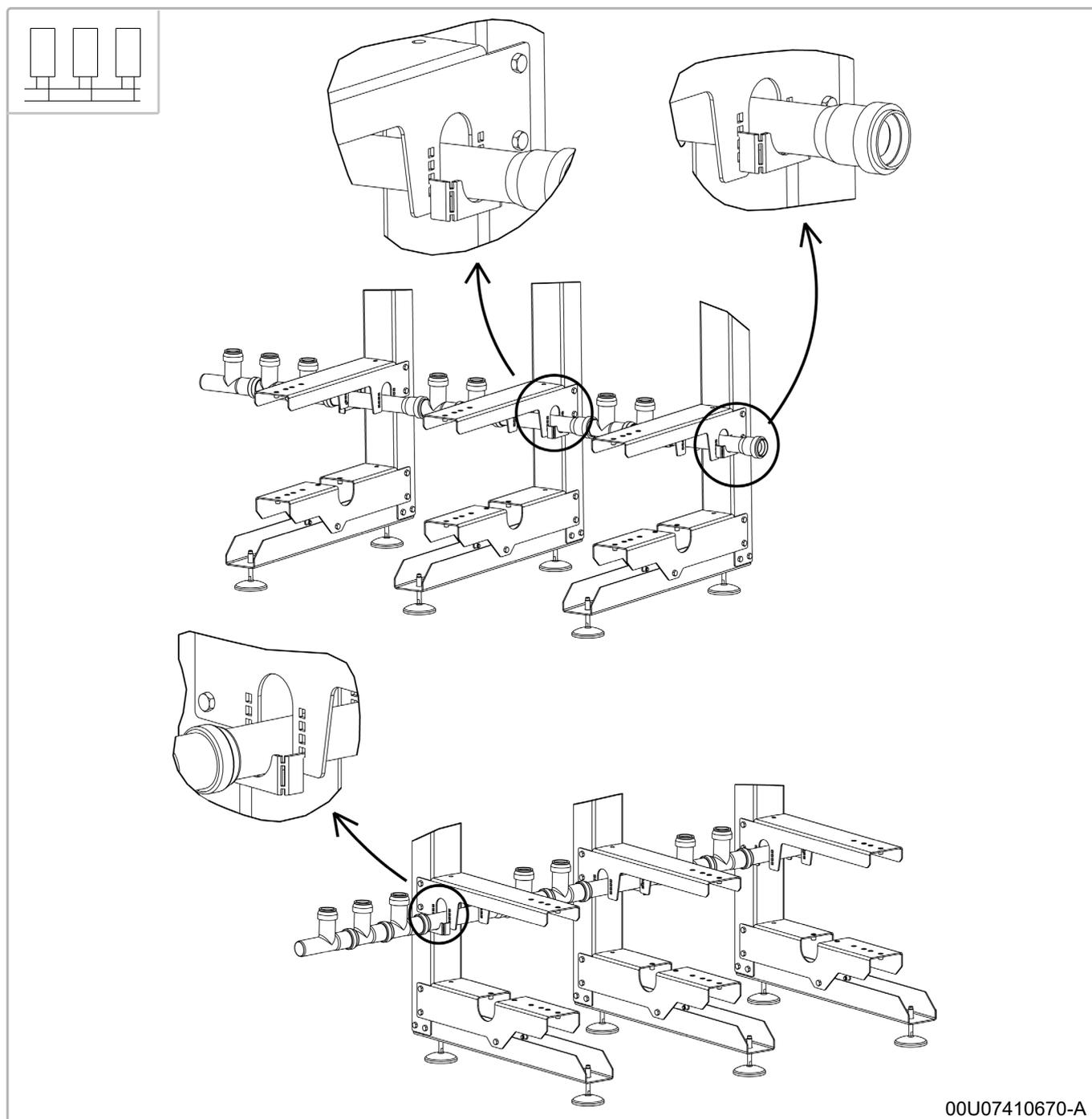
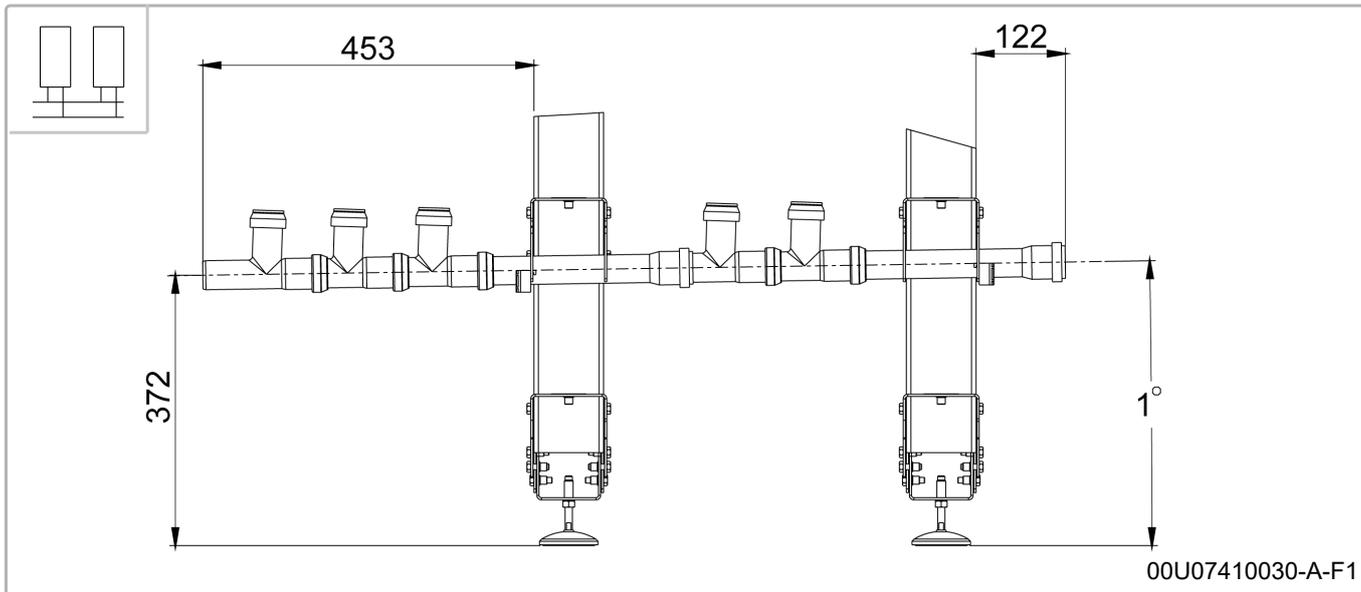
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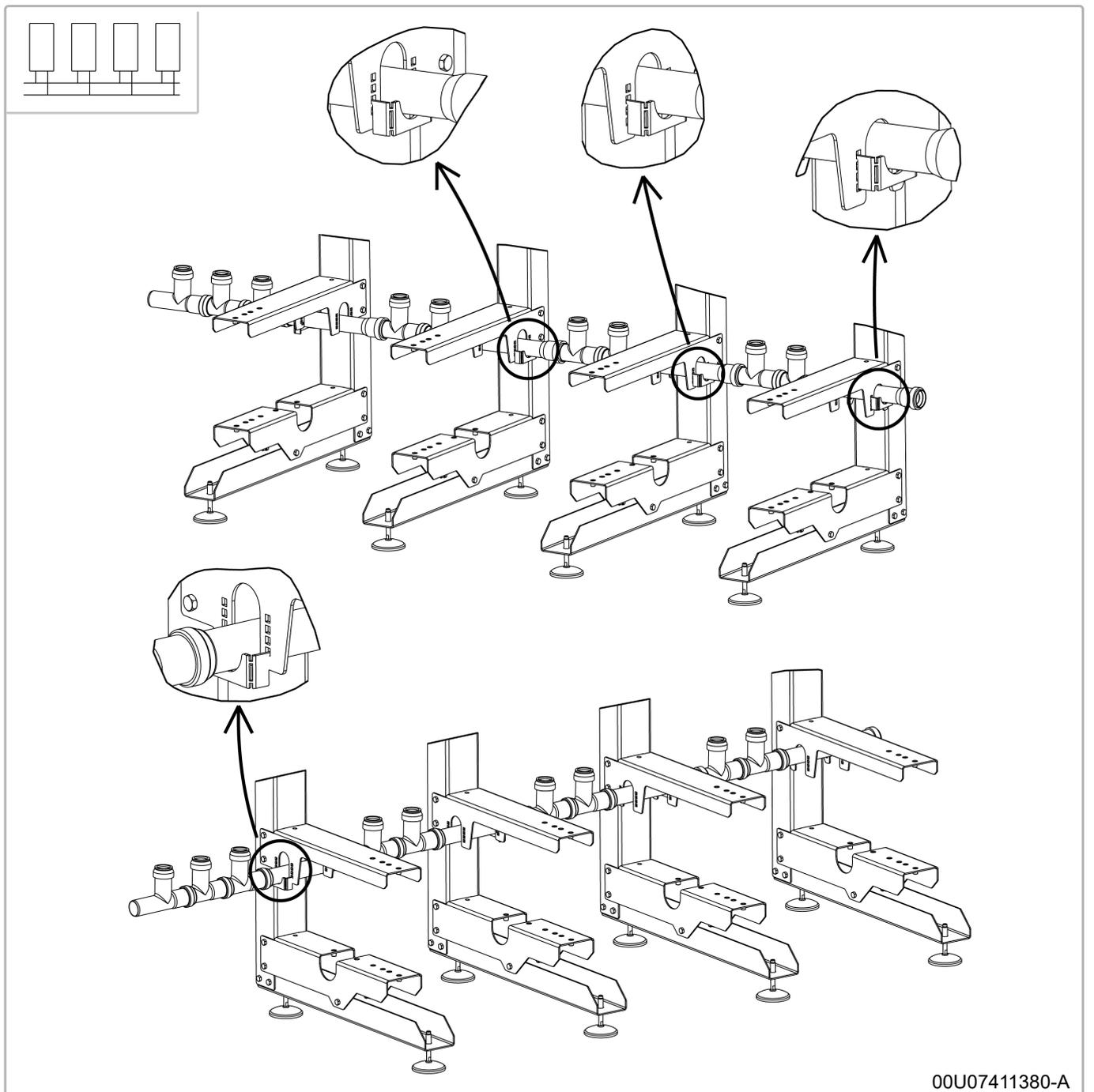
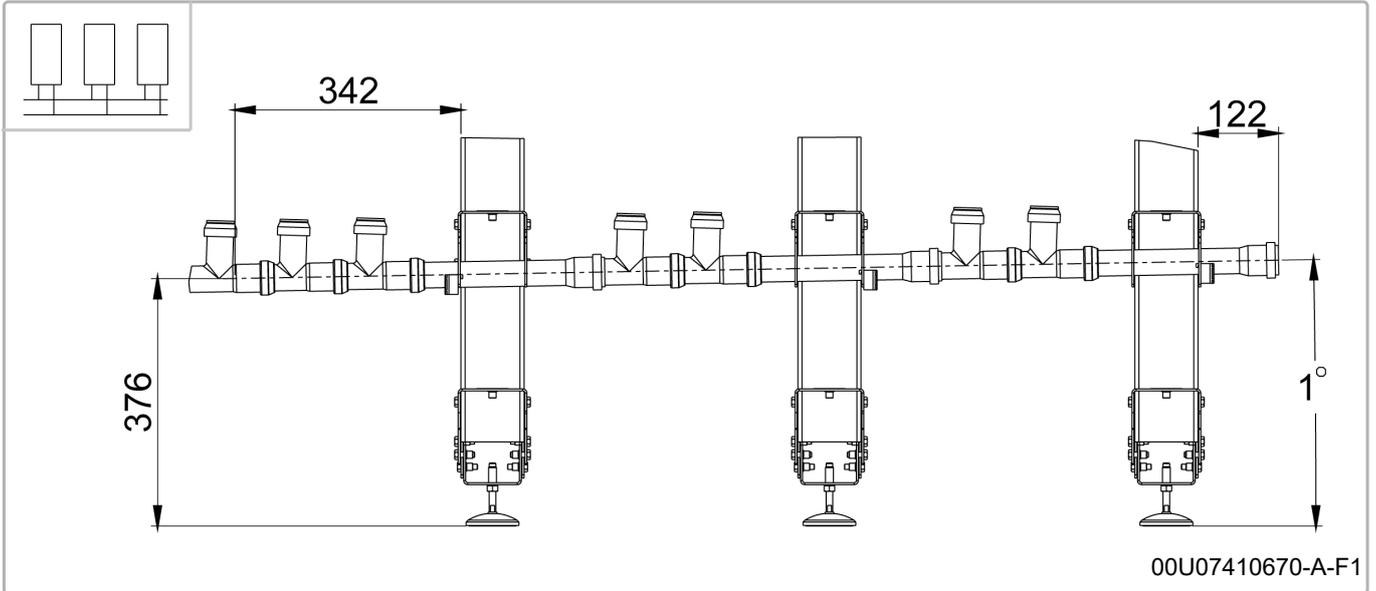


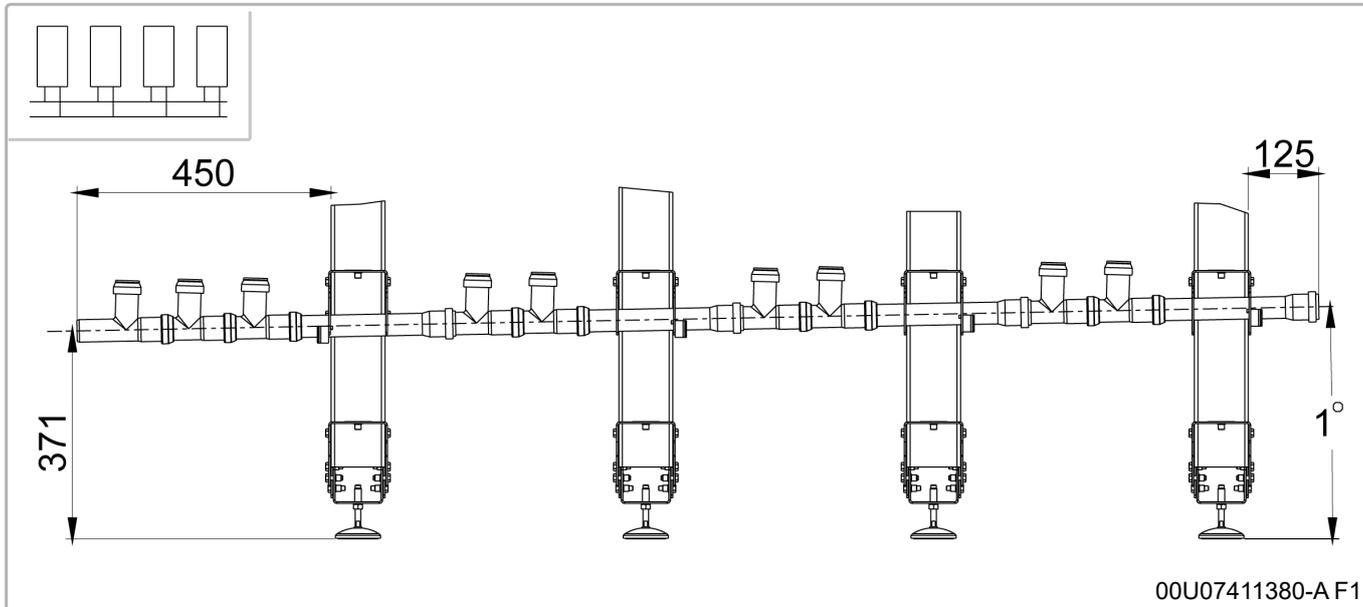
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00U07410030-A





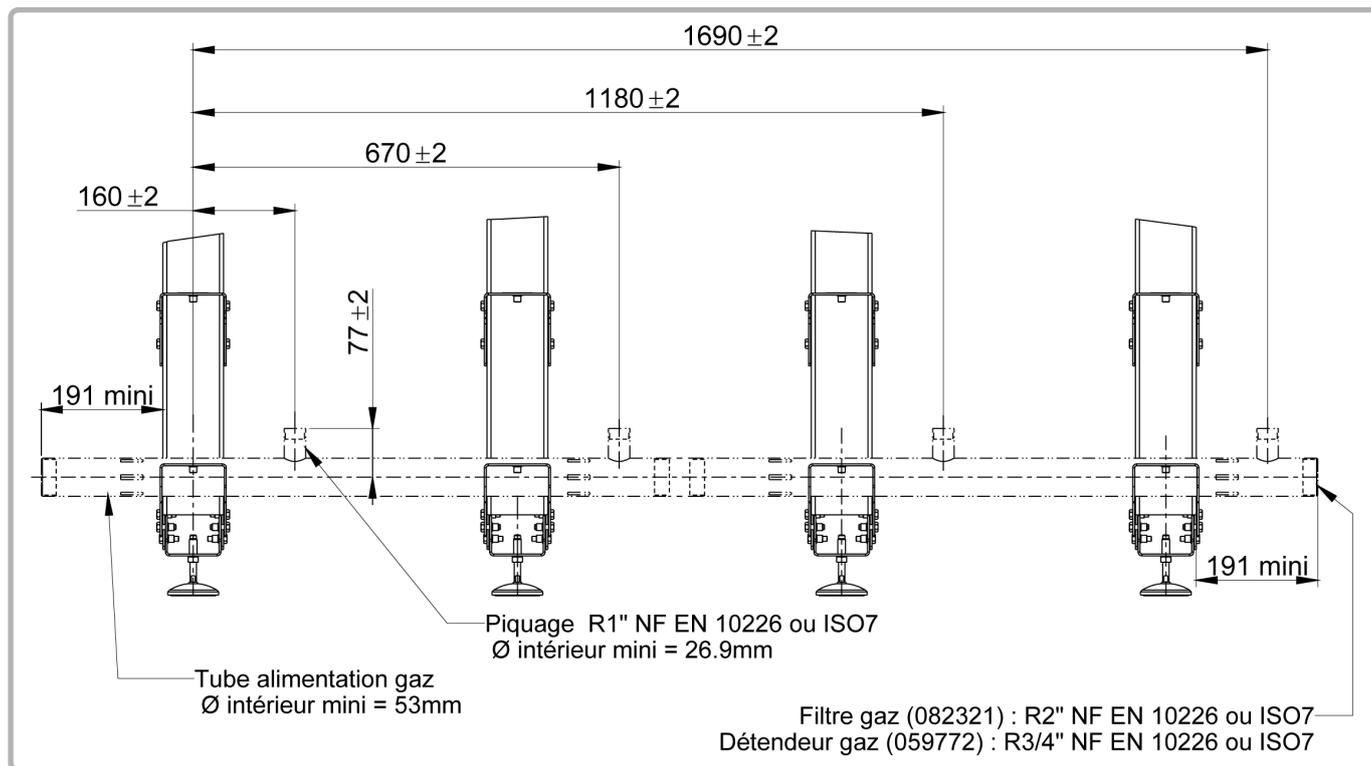


7

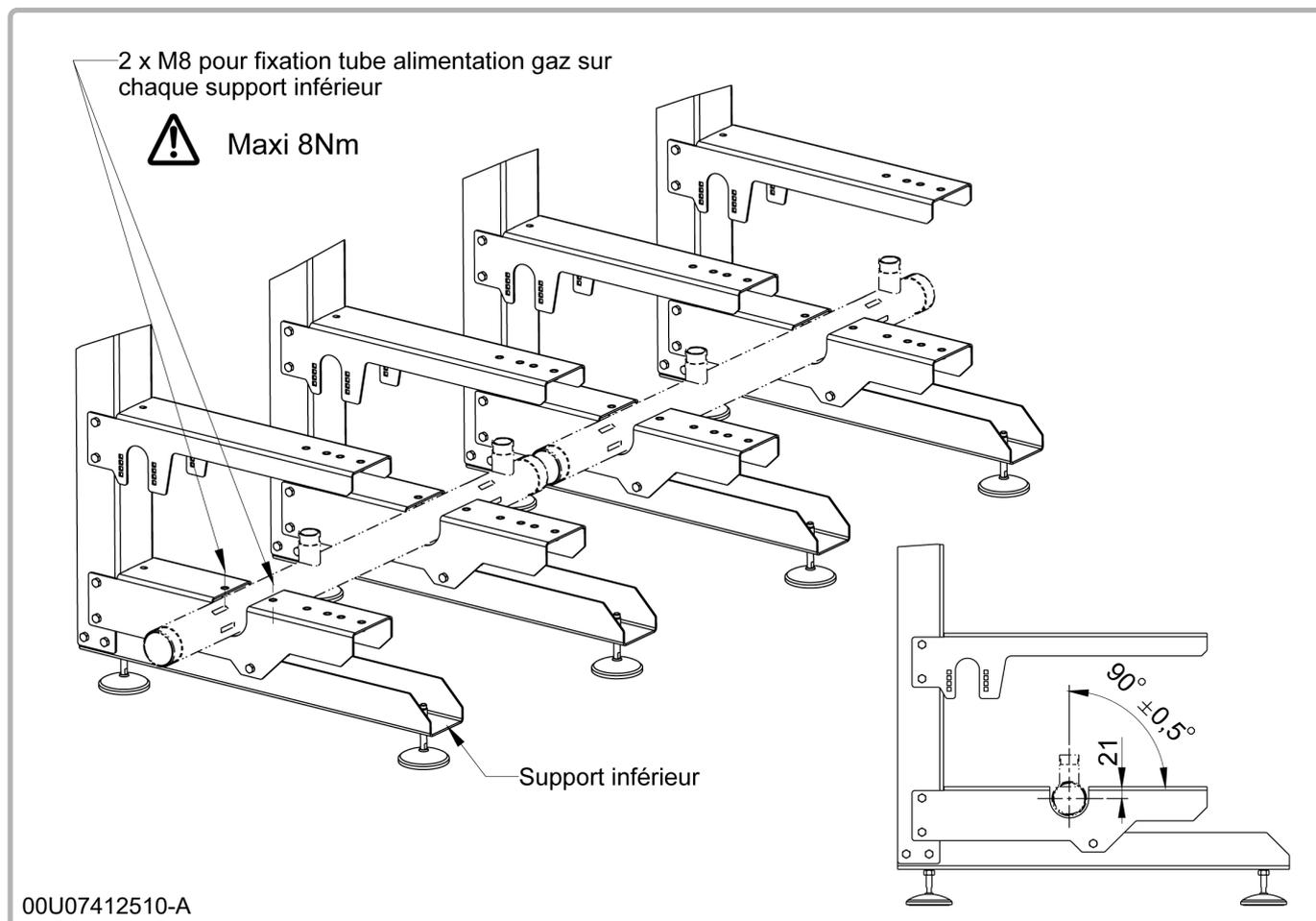
Collecteur gaz

CONSEIL DE RACCORDEMENT DES CHAUDIÈRES

- Suite à la non fourniture de certains éléments gaz, vous trouverez ci-dessous quelques données permettant de raccorder l'alimentation gaz de nos produits :



Aide à la création d'un collecteur figure 1/2

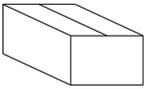
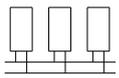
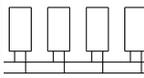
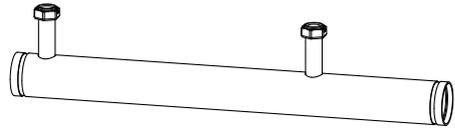
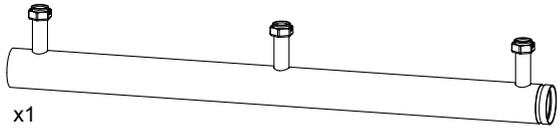
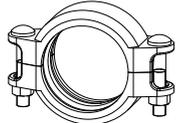
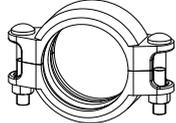
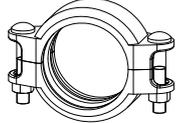
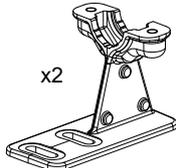
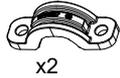


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Aide à la création d'un collecteur figure 2/2

8.

Collecteur hydraulique

				
082710	 x1	x2		x4
082711	 x1		x2	
082672	 x1  x4  x2	x1		
082673	 x1  x2		x1	
082674	 x1  x6  x2			x1
083377	 M8 x4  x4  x2  x2	x2	x3	x4



Serrer très modérément les vis. Elles seront resserrées après mise en place de la bouteille (hydraulique).

Duo

Si la bouteille est montée à droite du kit, l'orientation des collecteurs doit être inversé par rapport aux vues ci-après (grand côté du collecteur à gauche).

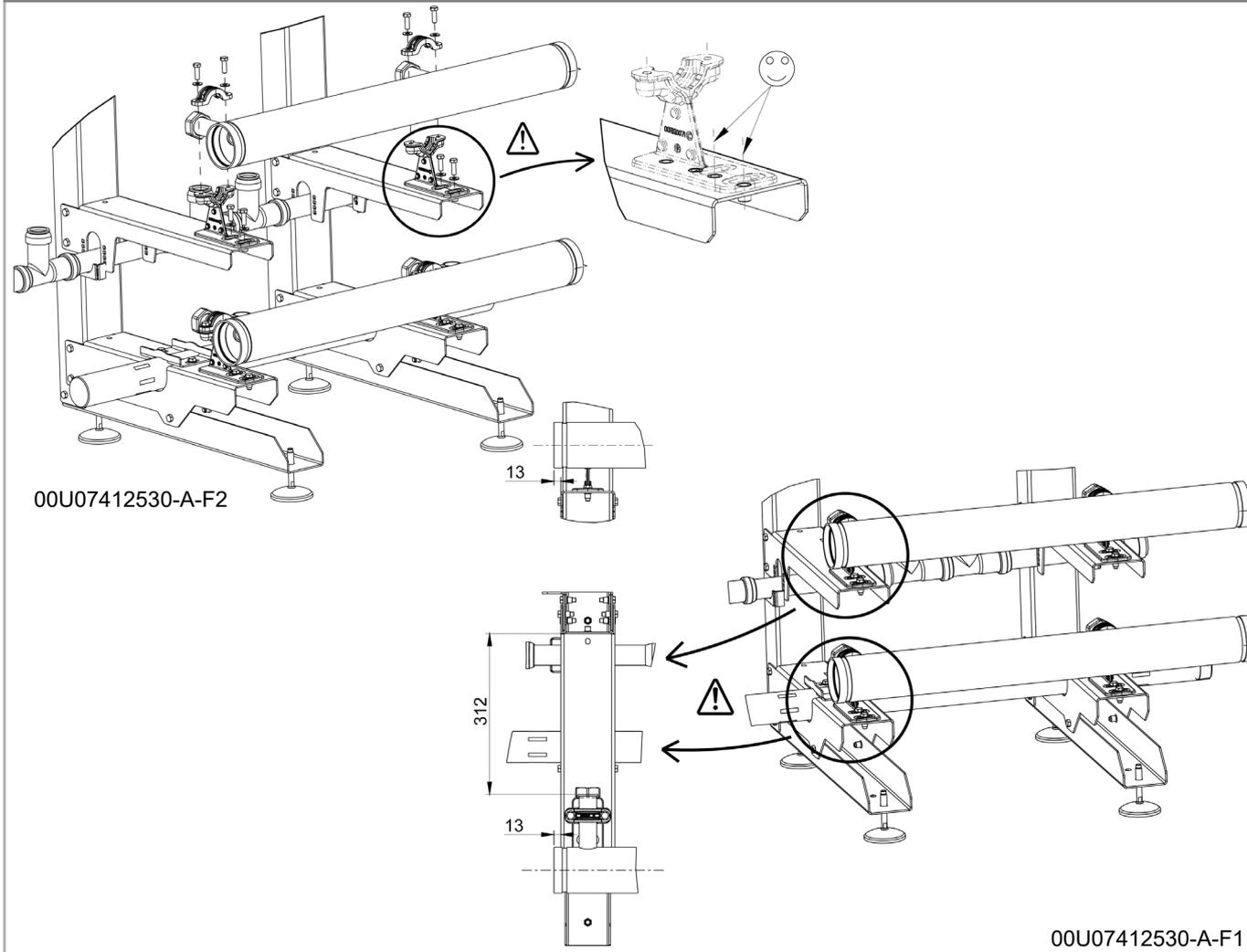
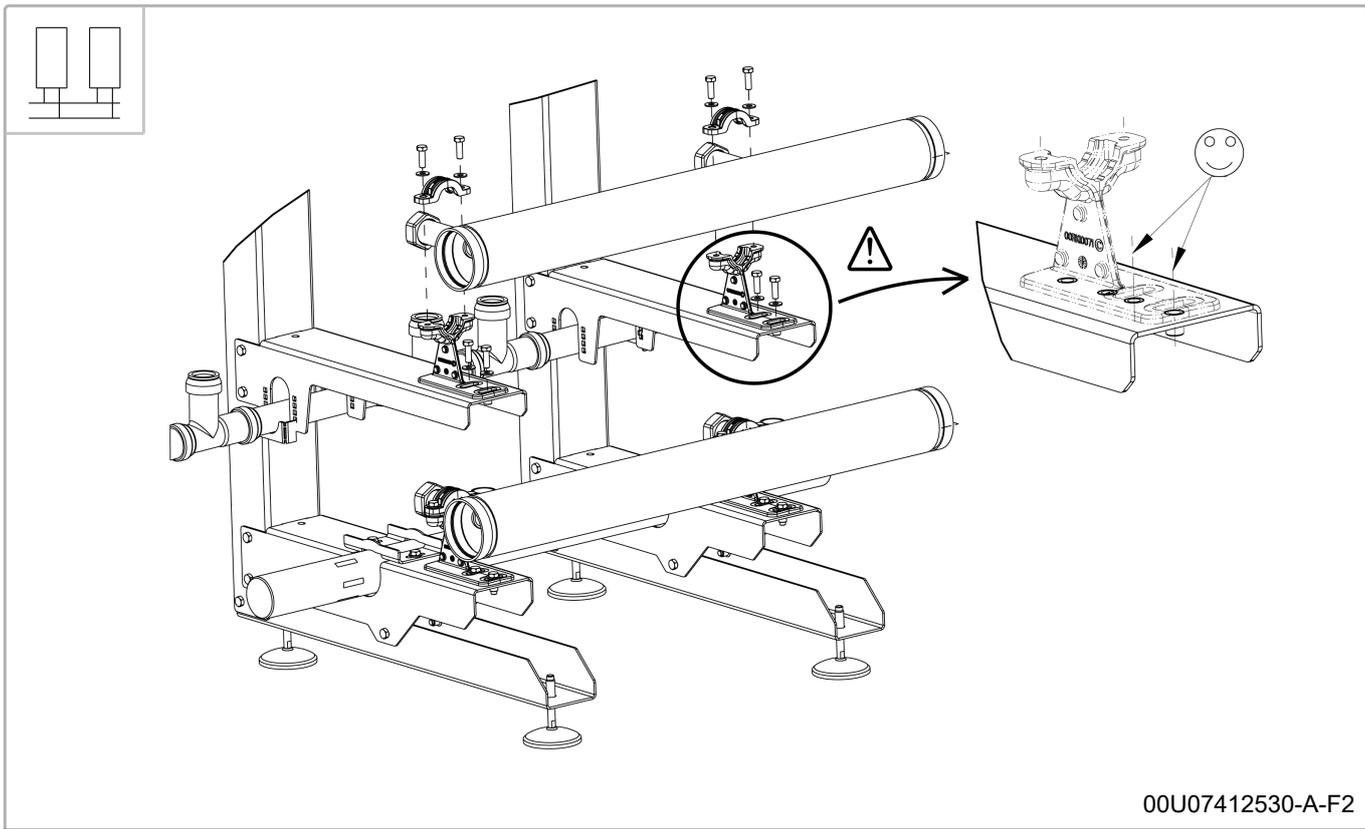
Trio

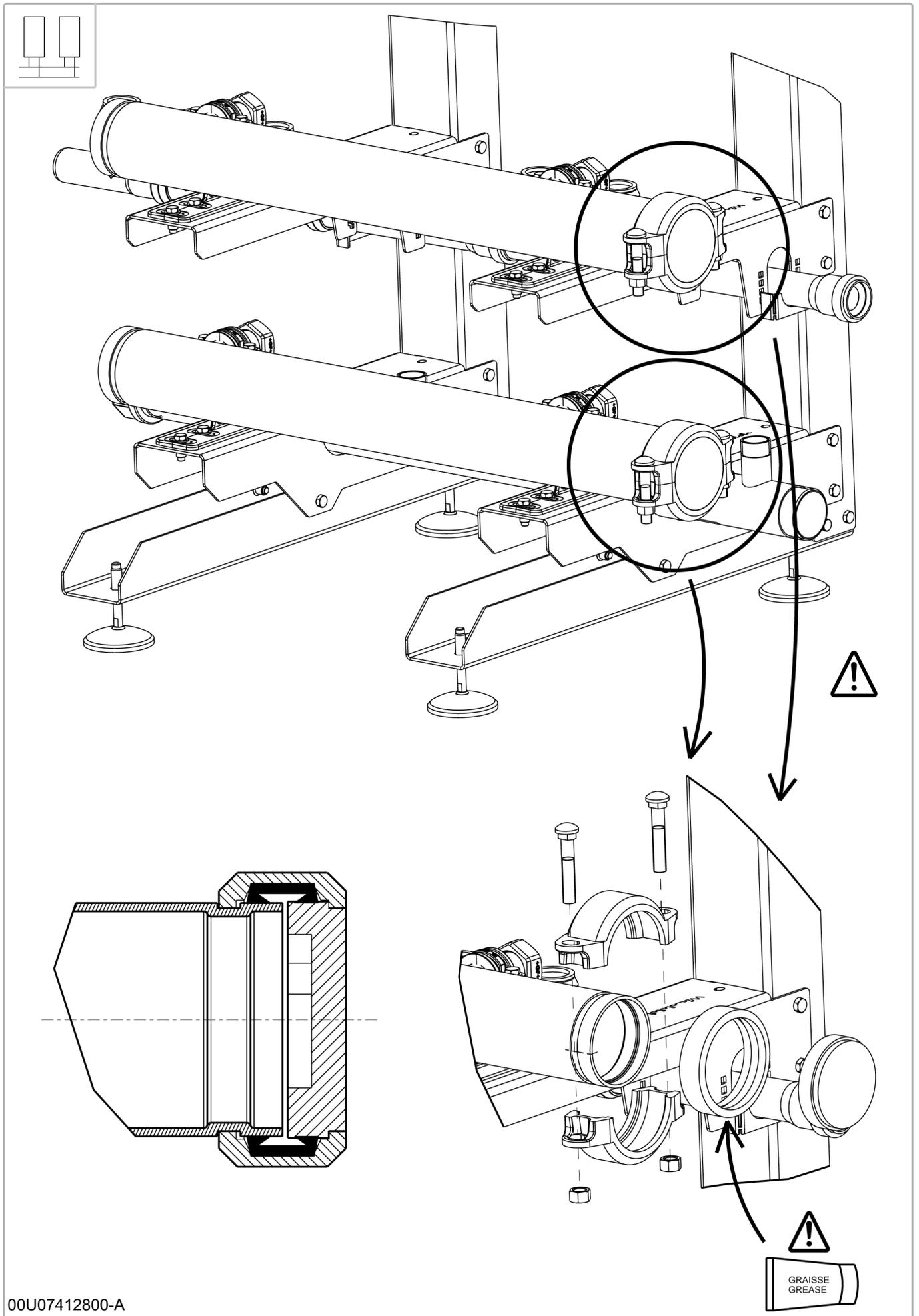
Si la bouteille est montée à droite du kit, l'orientation des collecteurs doit être inversé par rapport aux vues ci-dessous (côté obturé à gauche).

Quattro

Les collecteurs de droite et les collecteurs de gauche se montent inversés l'un par rapport à l'autre (le grand côté au centre de la cascade).

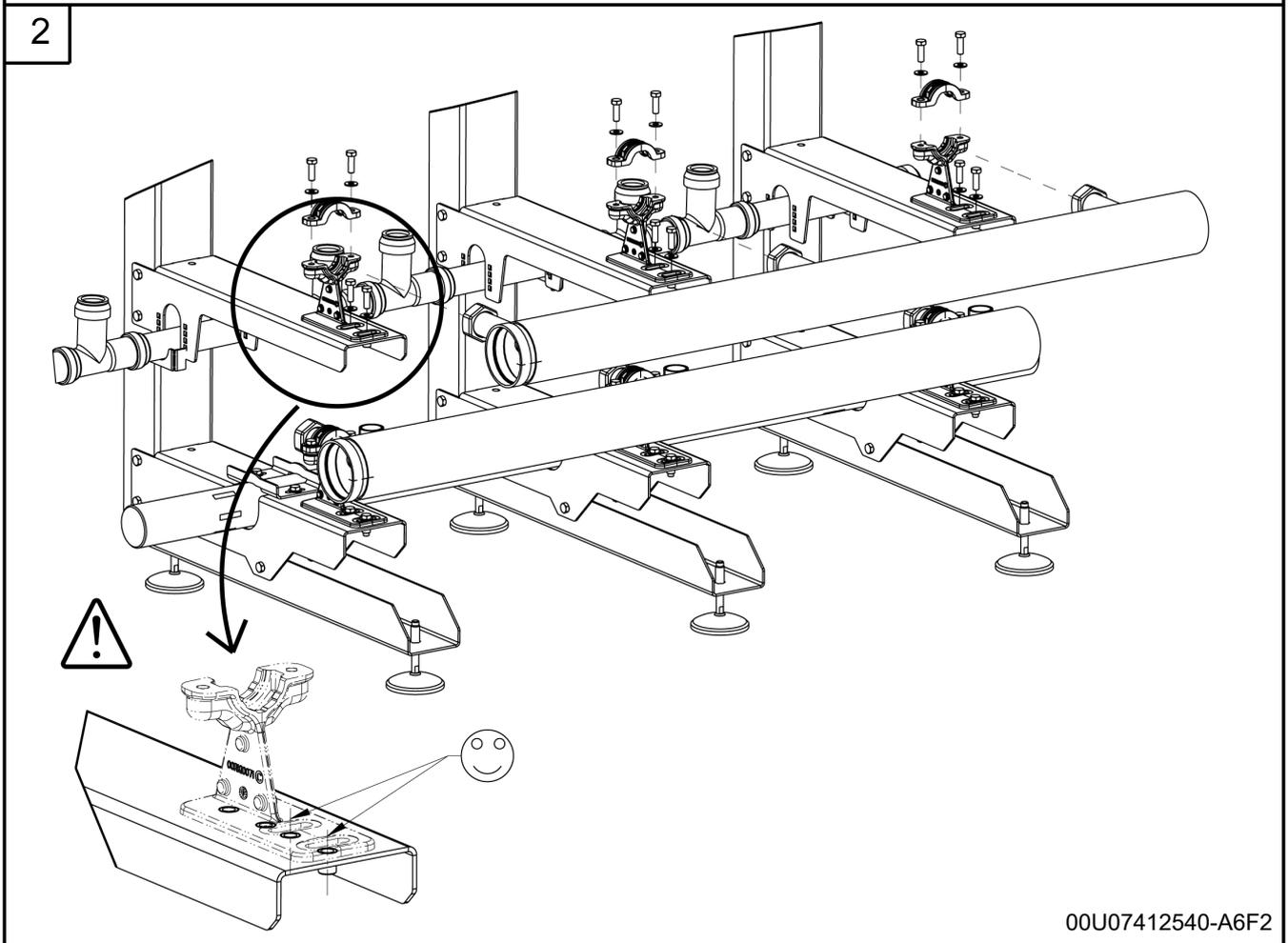
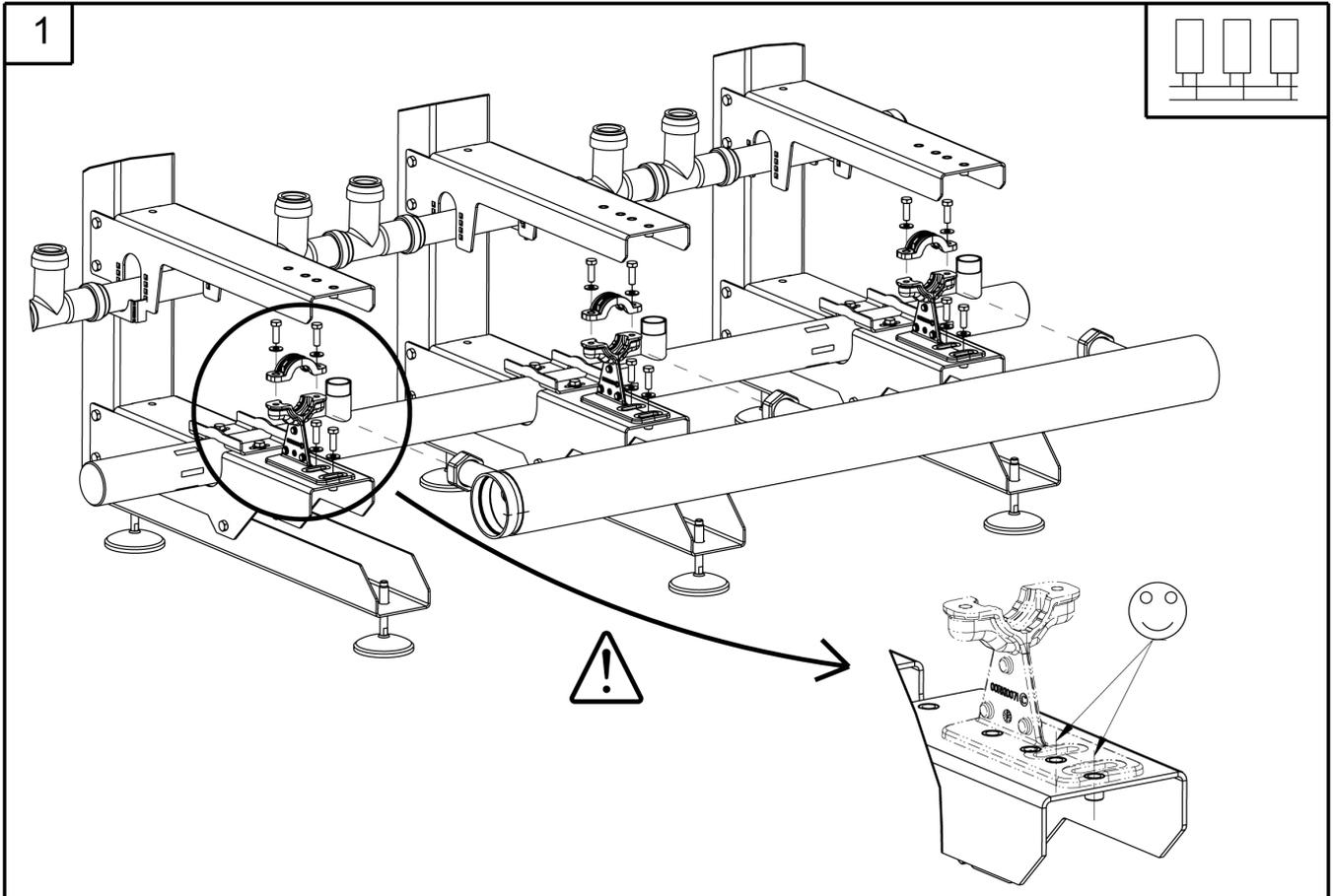
Duo





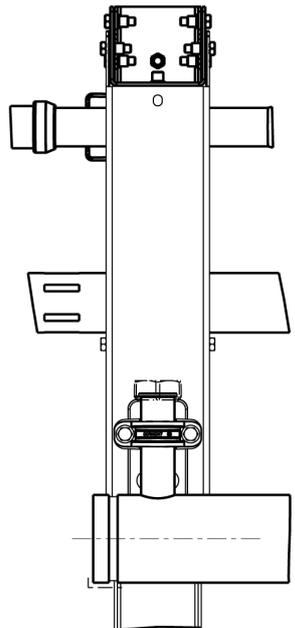
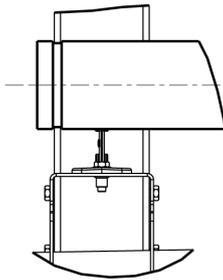
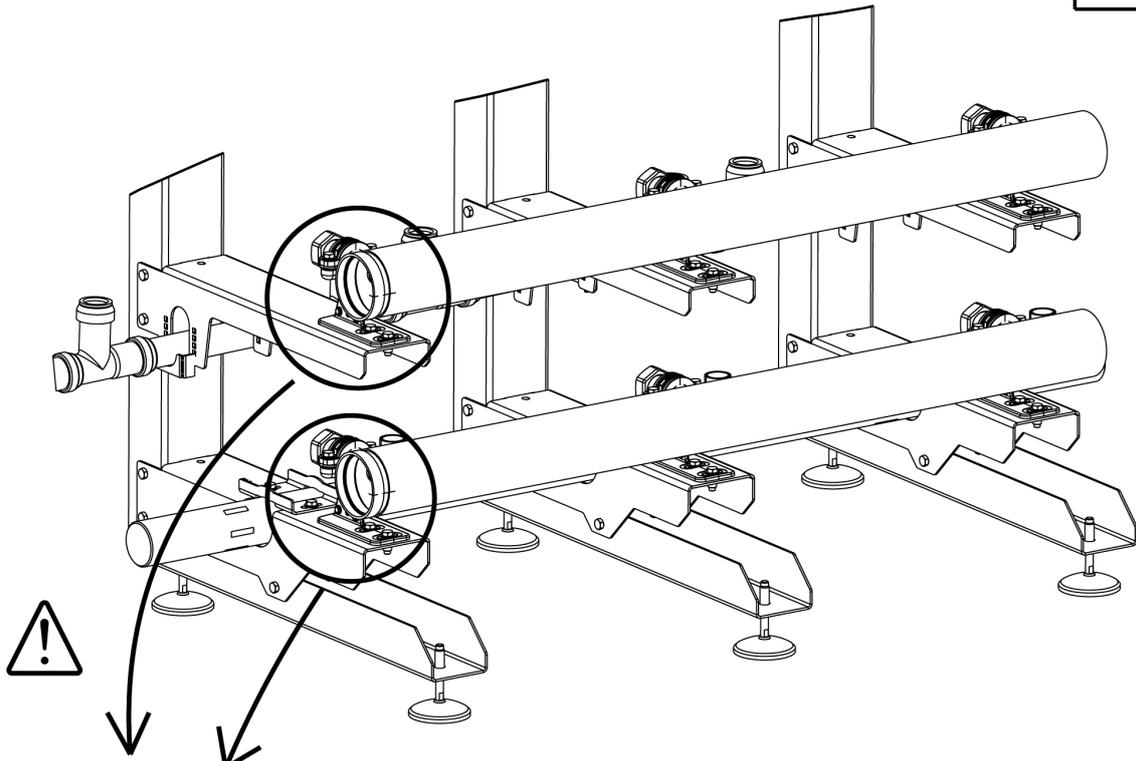
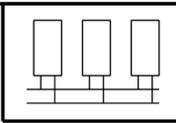
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Trio



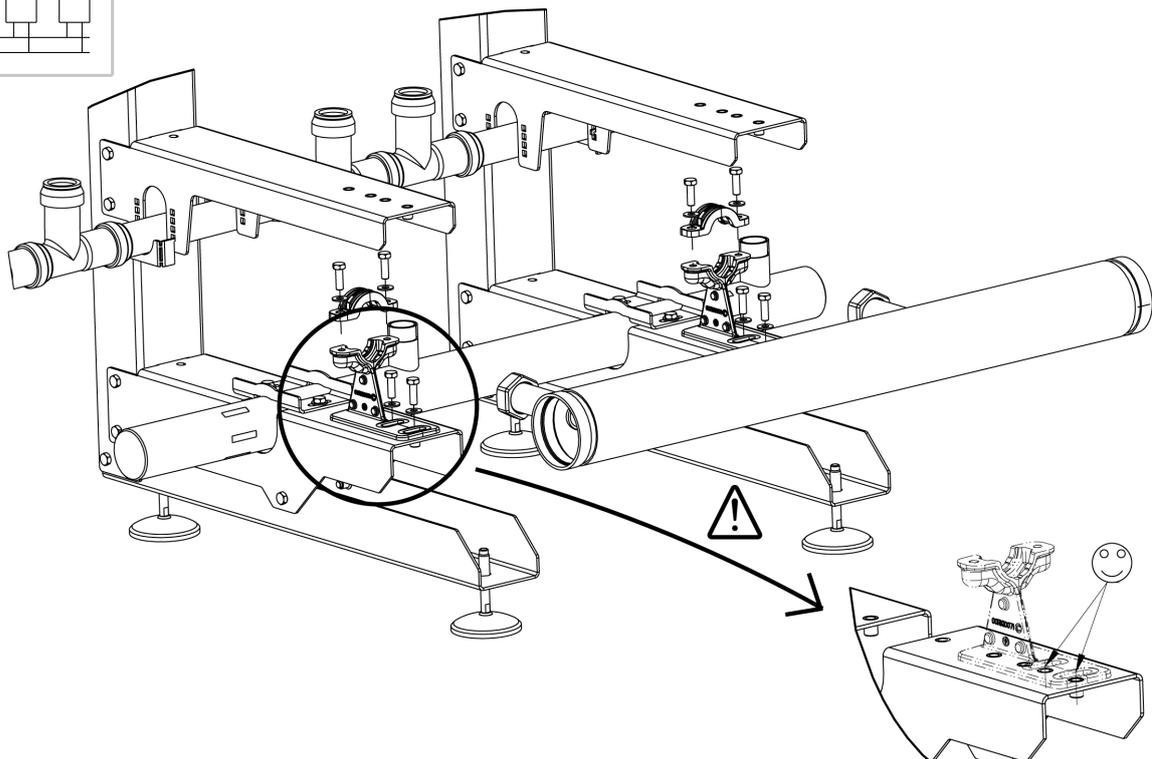
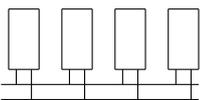
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3

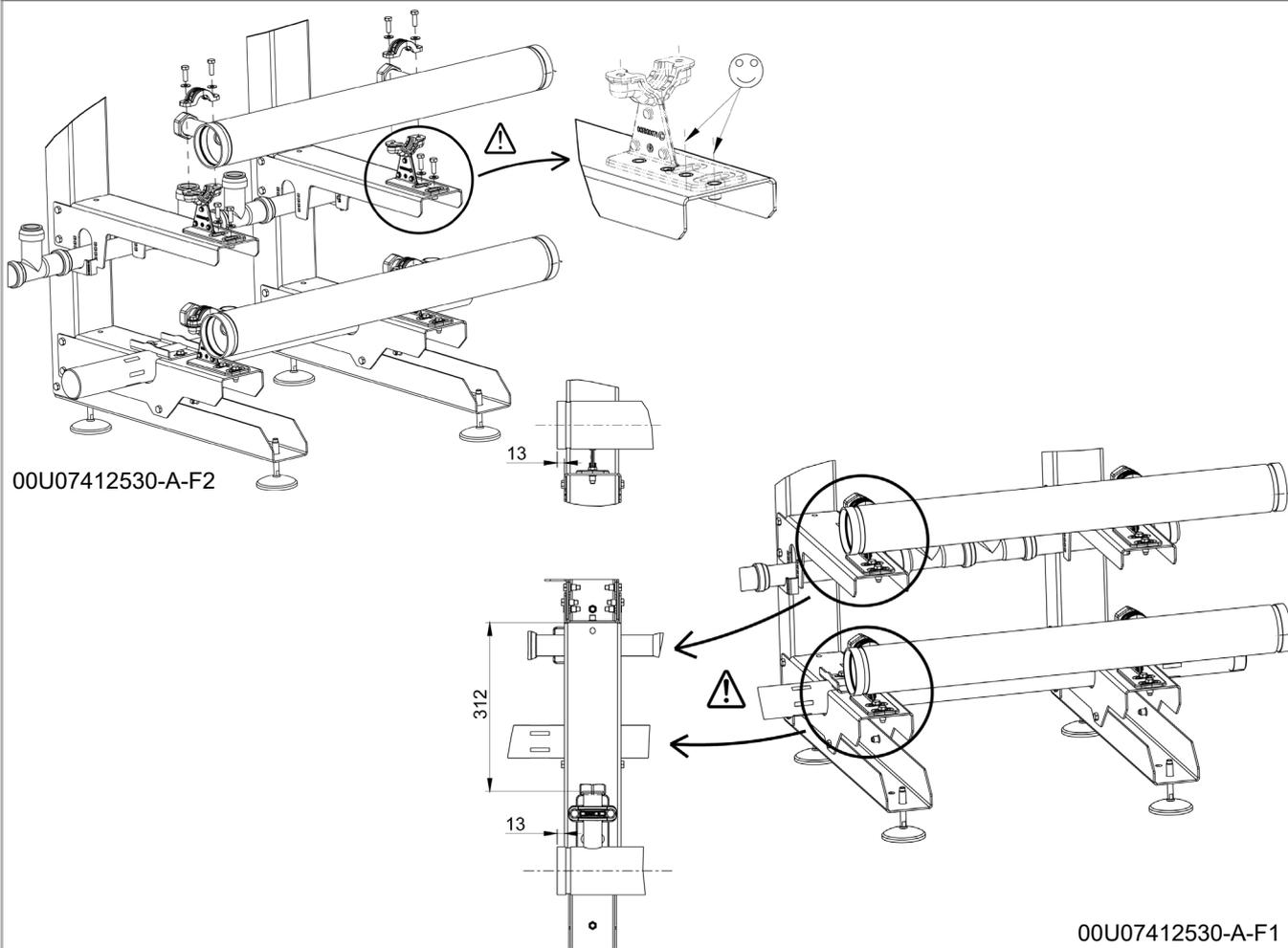


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Quattro

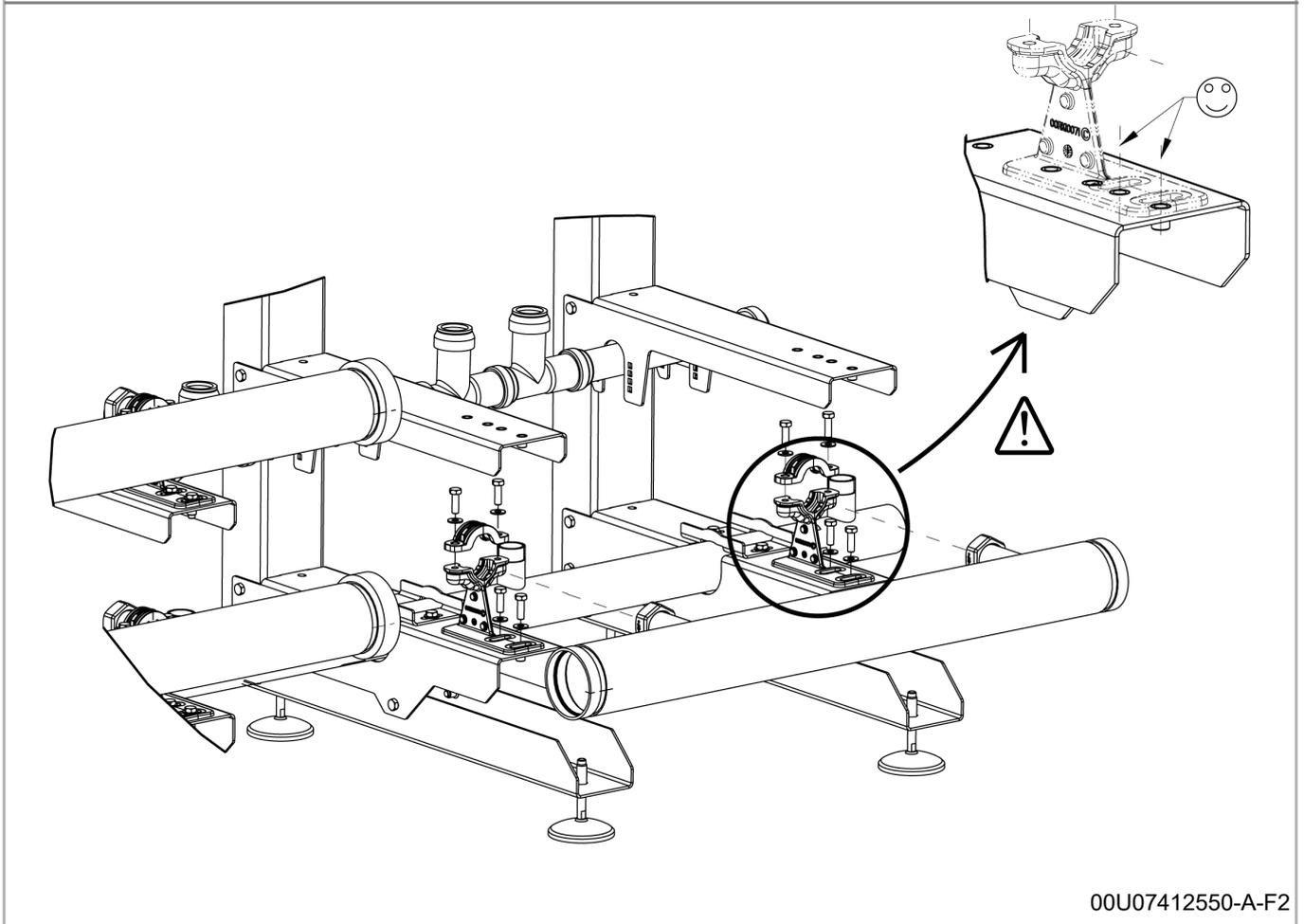
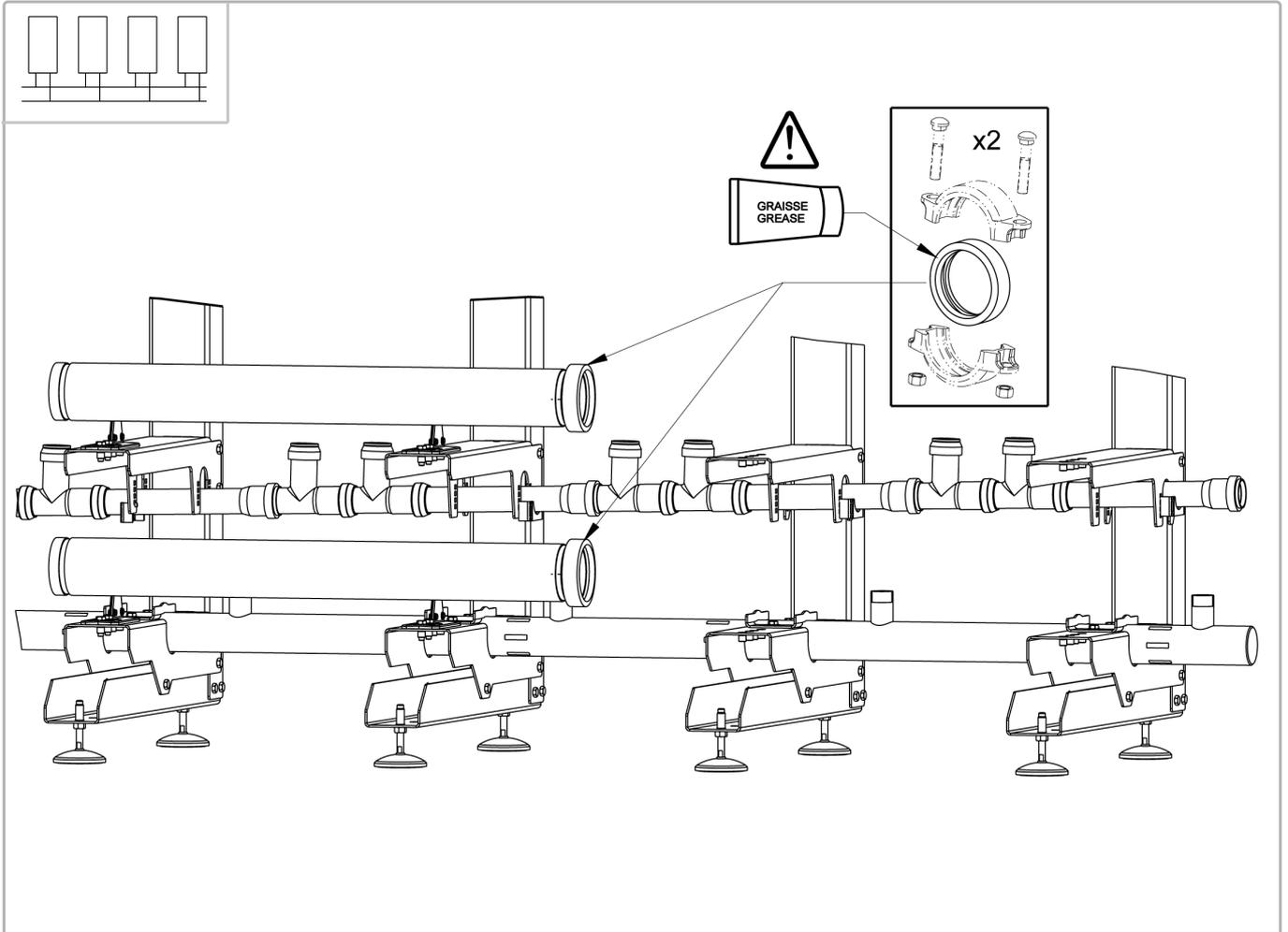


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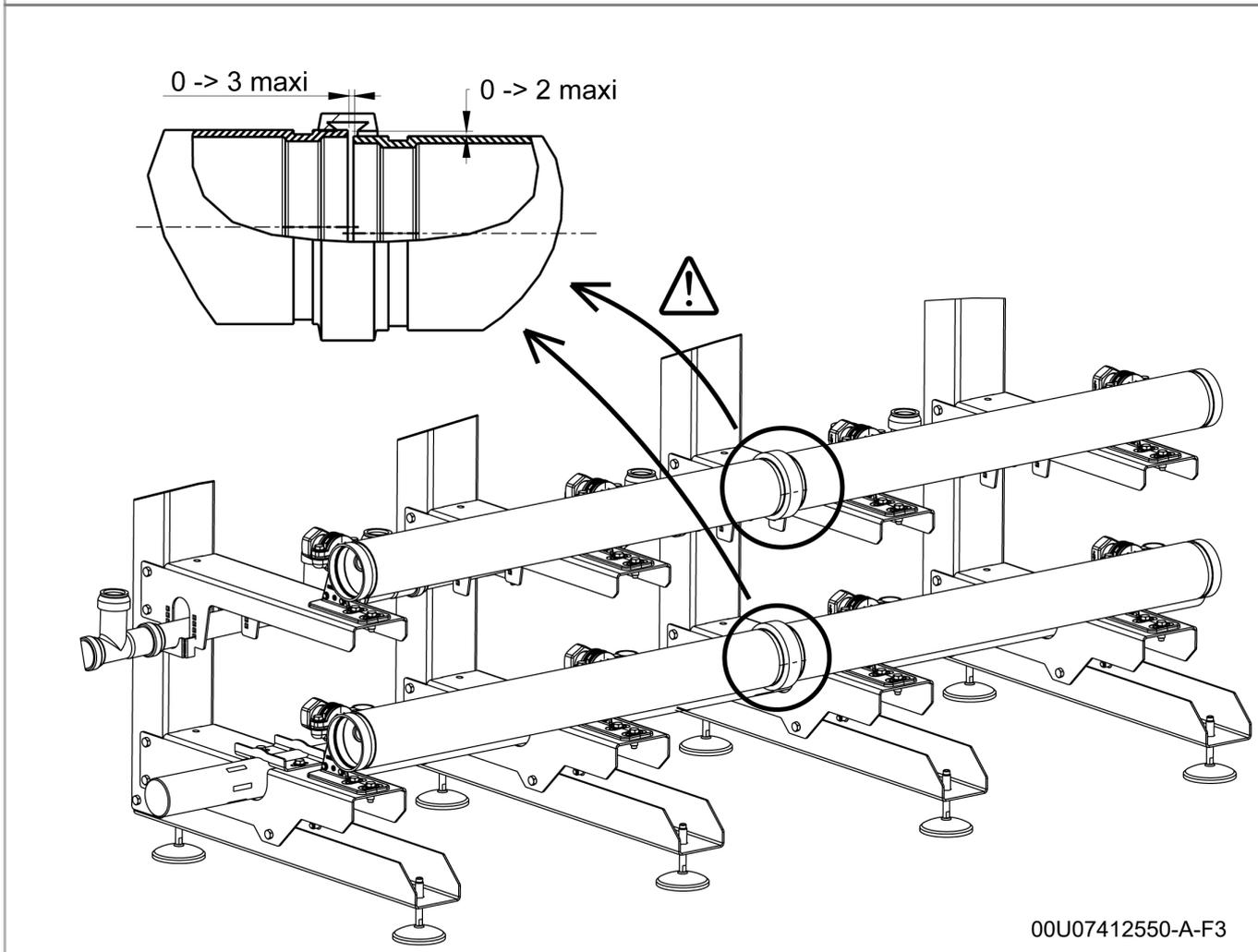
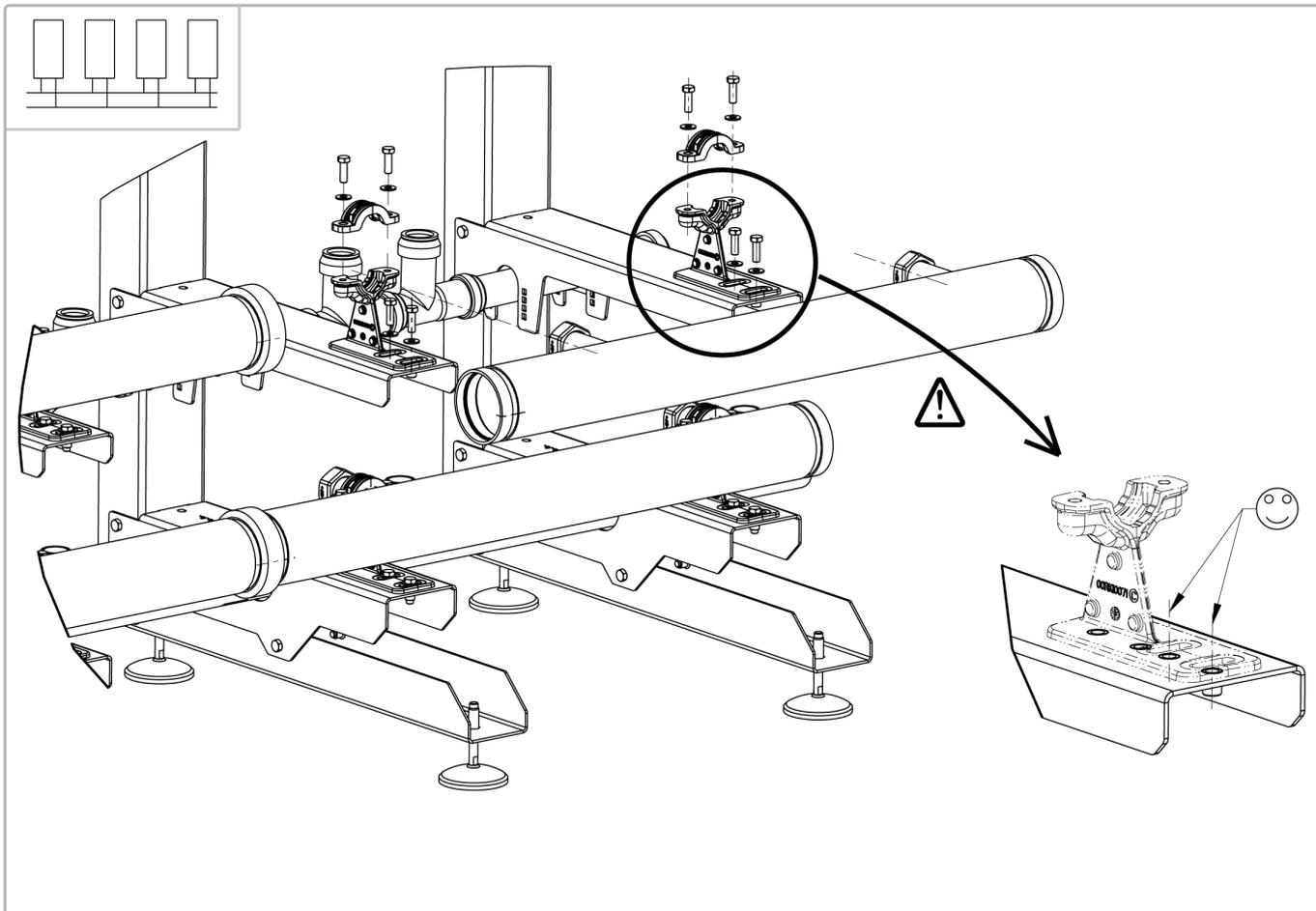


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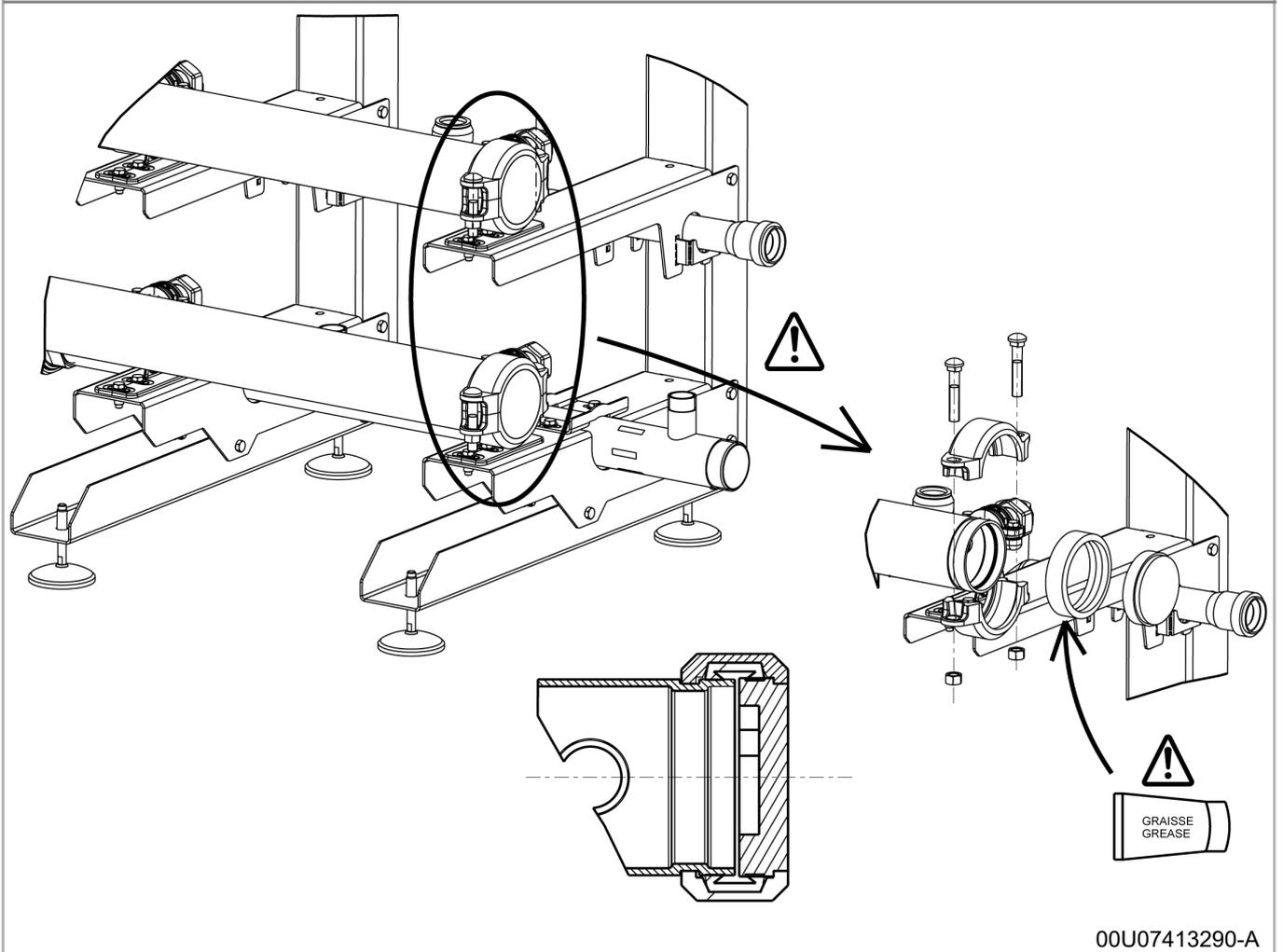
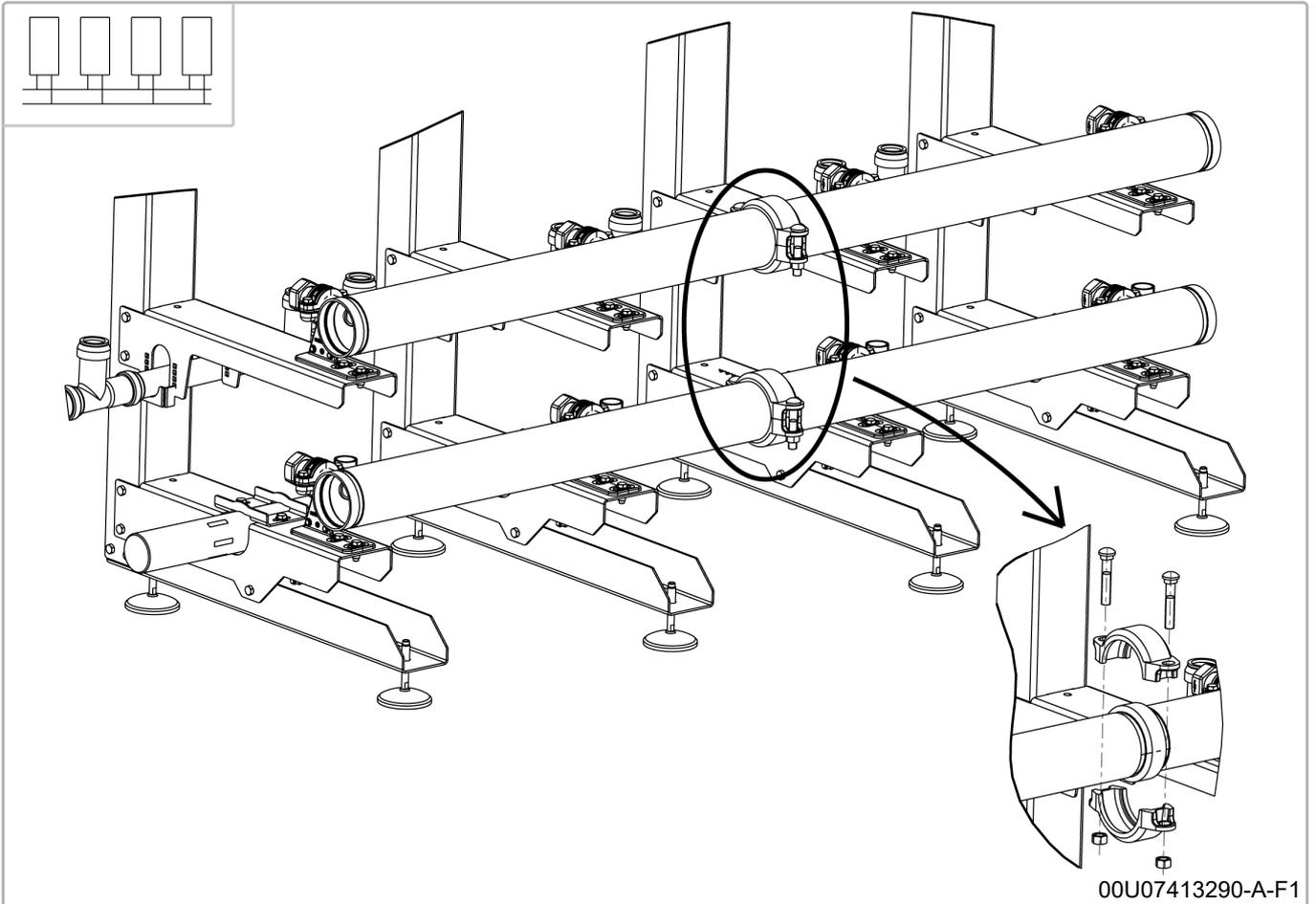
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00U07412550-A-F2

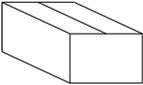
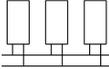
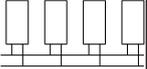
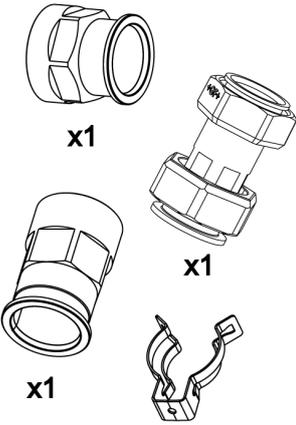
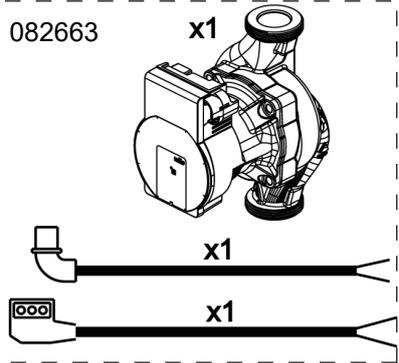
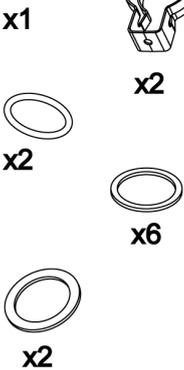
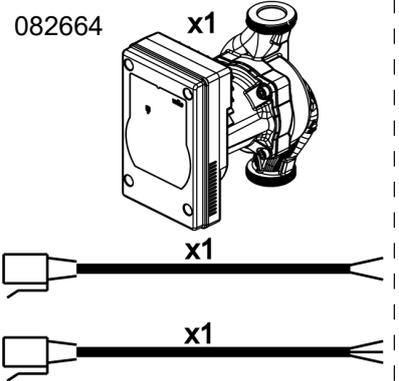
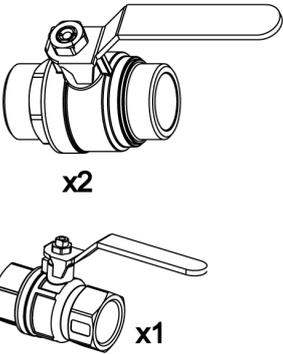
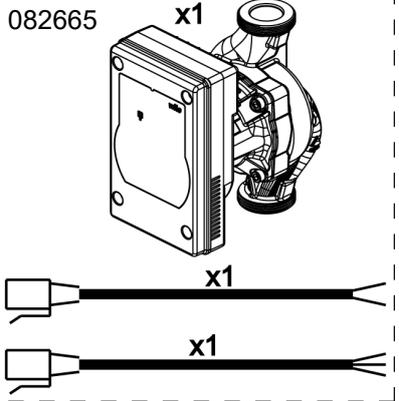
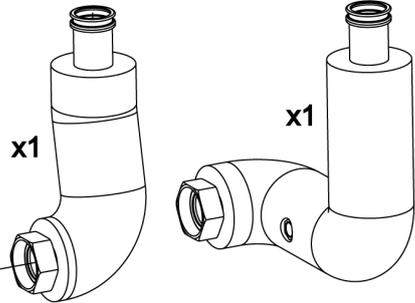
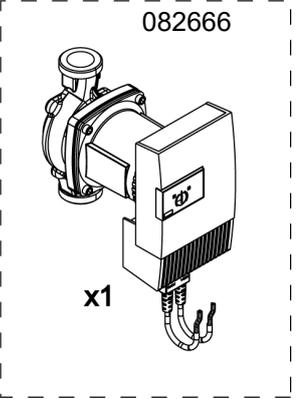


00U07412550-A-F3



9.

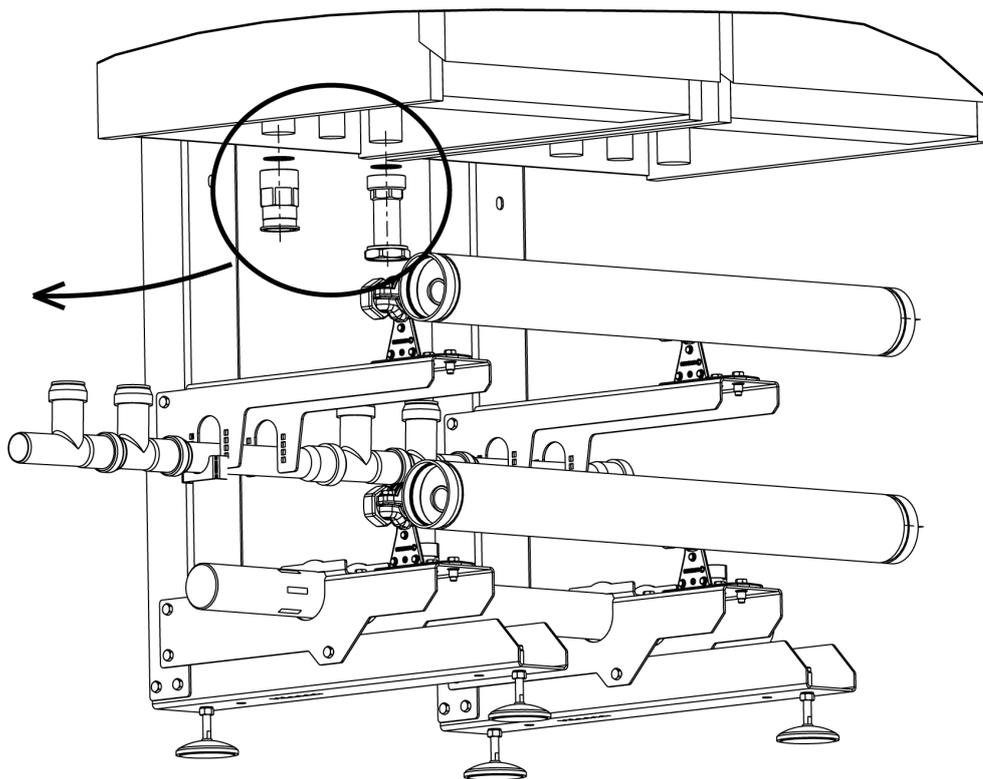
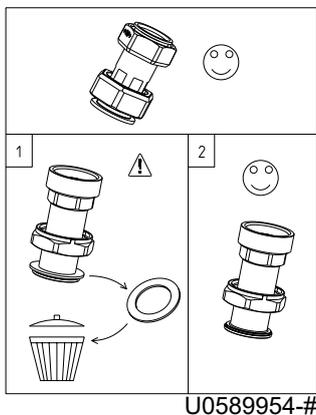
Raccordement hydraulique chaudière

					
082663			x2	x3	x4 35 40 60
082664			x2	x3	x4 70 80 100
082665			x2	x3	x4 120
082666			x2	x3	x4 150

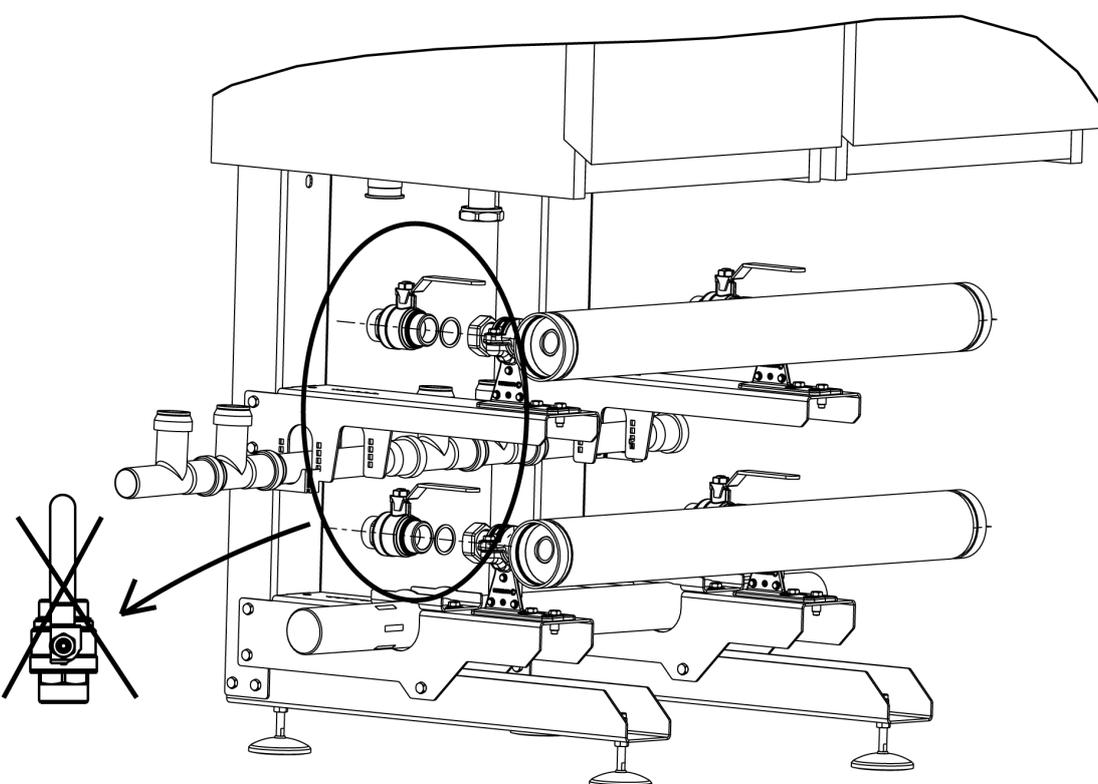
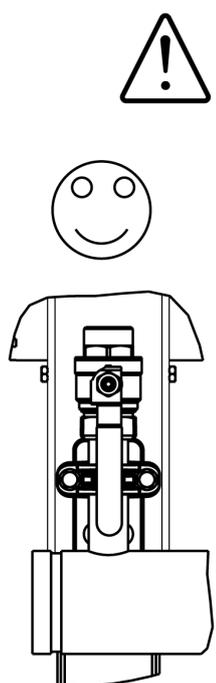
00U07398490-A

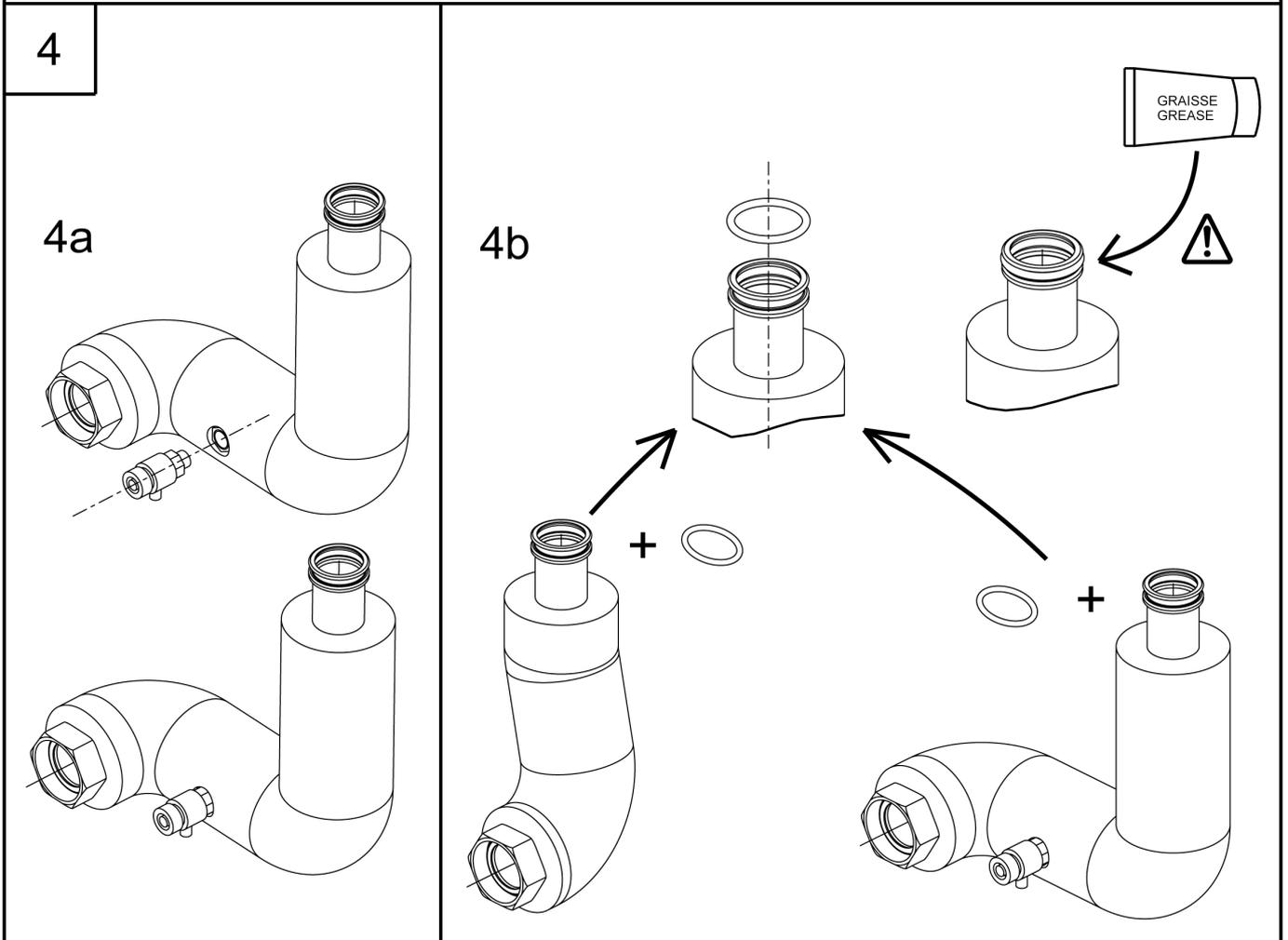
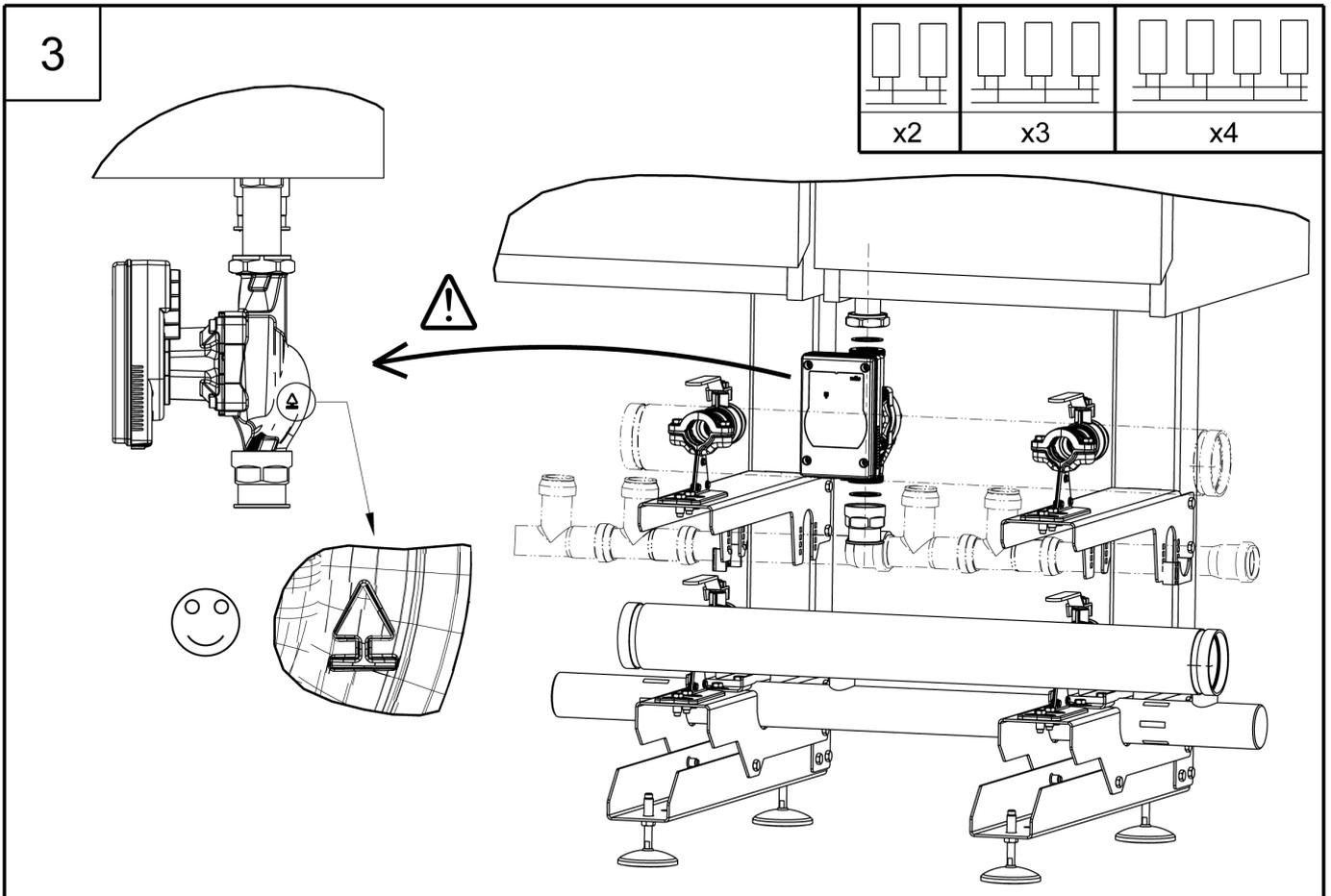
1

x2	x3	x4

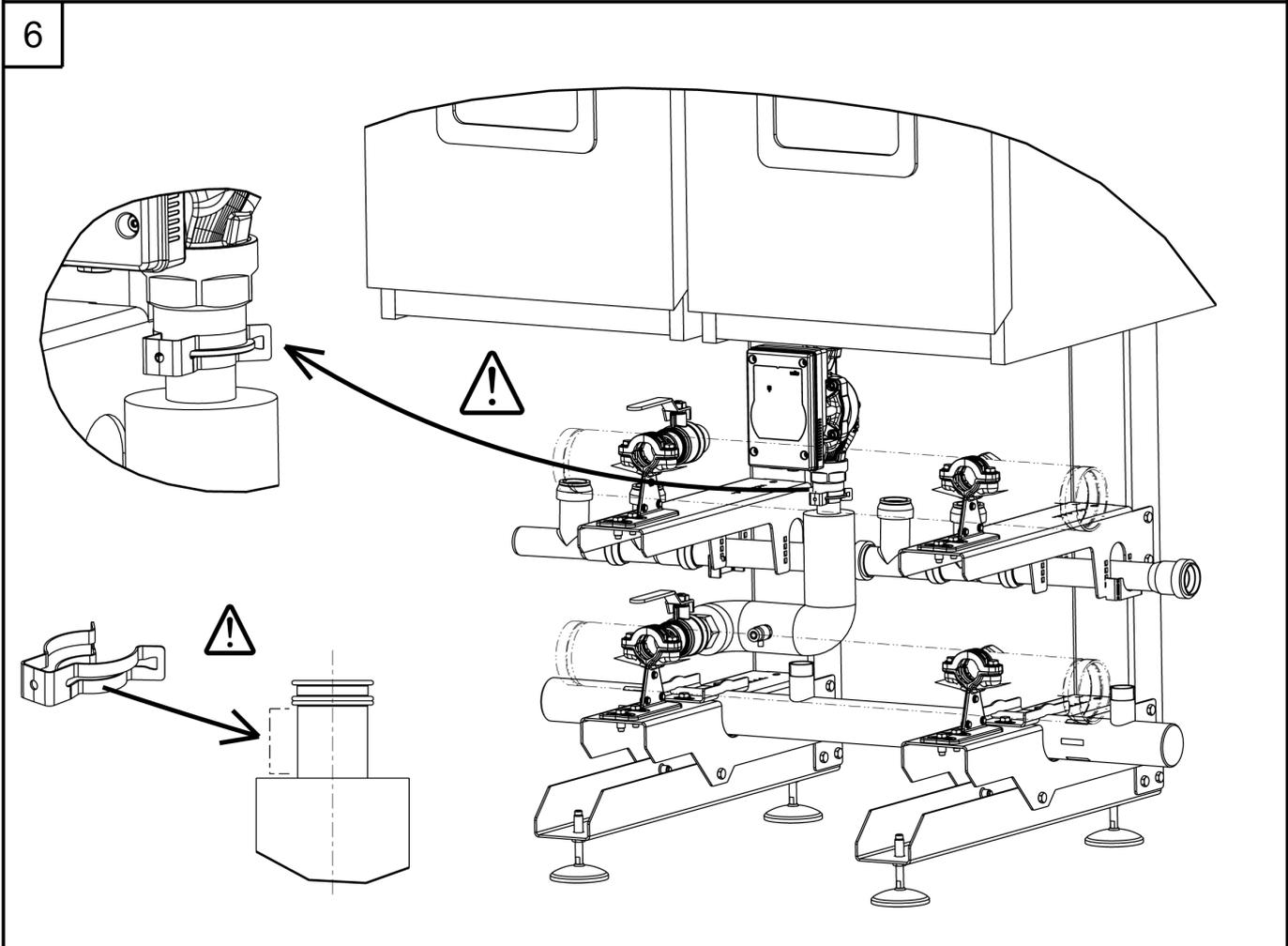
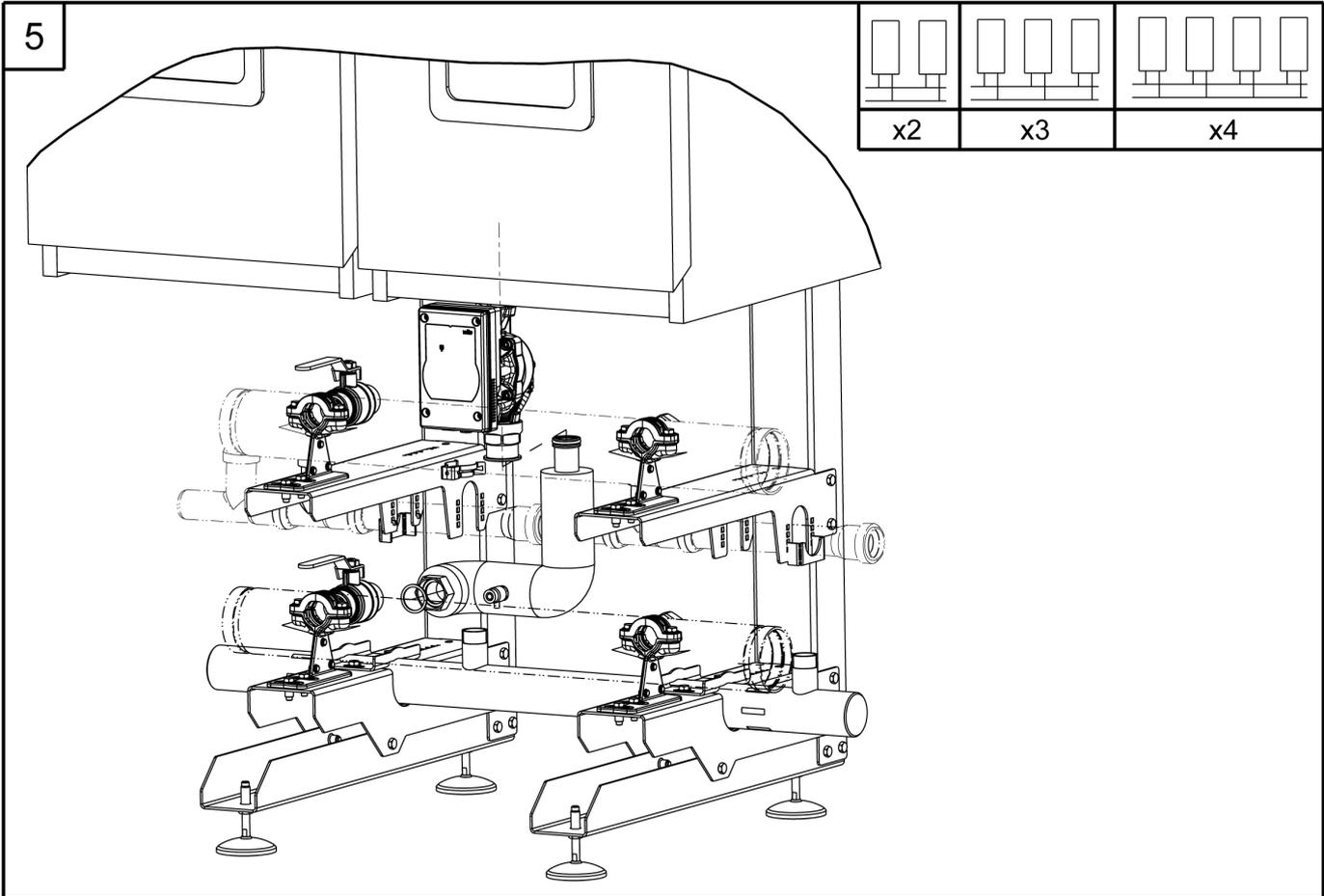


2



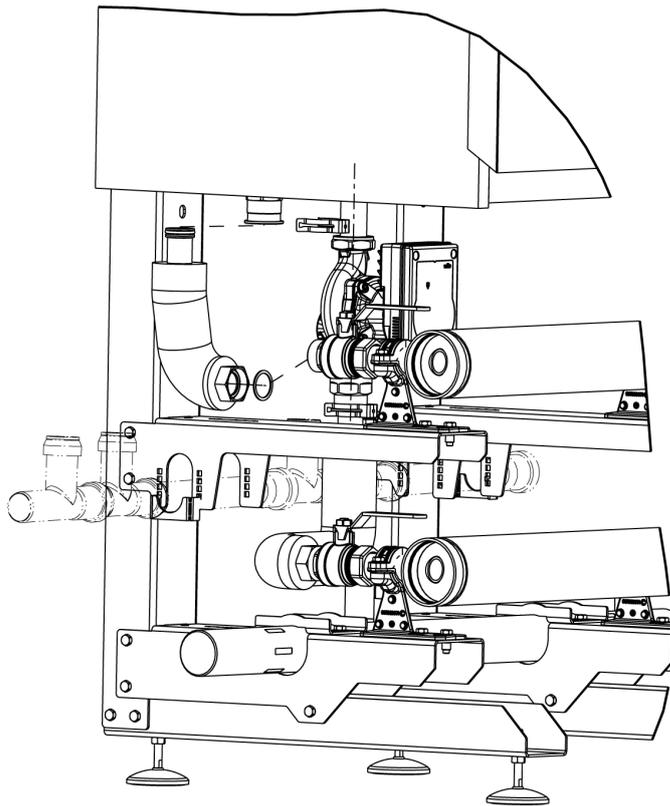


00U07413950-A-F1



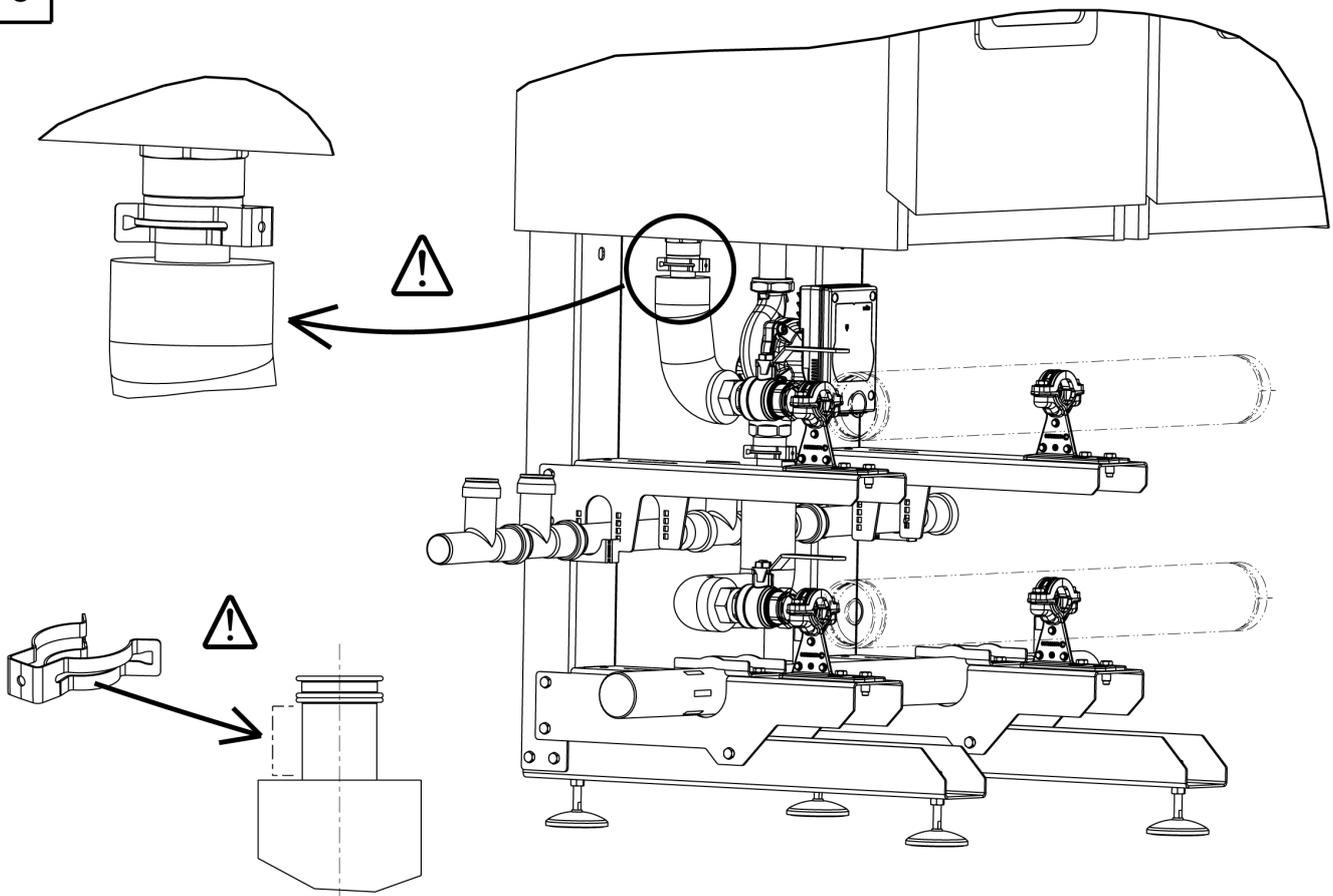
00U07416550-A-F1

7



x2	x3	x4

8

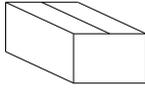
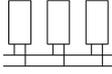
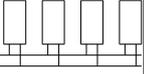
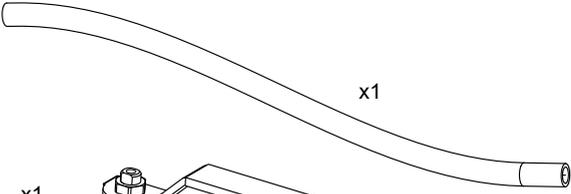
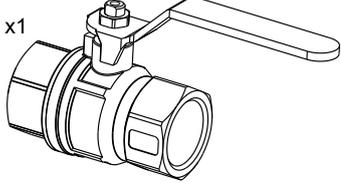
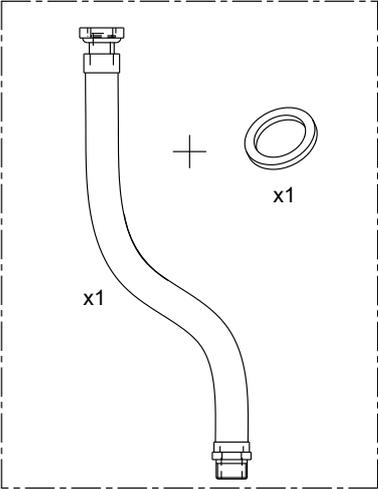
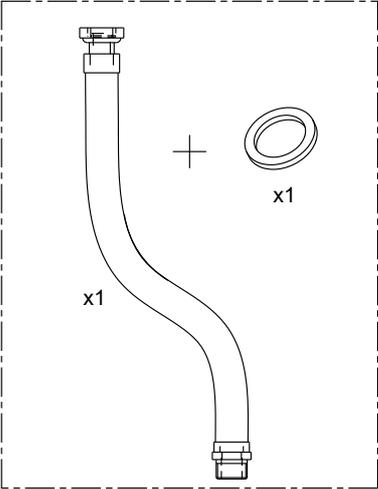
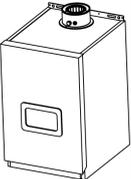
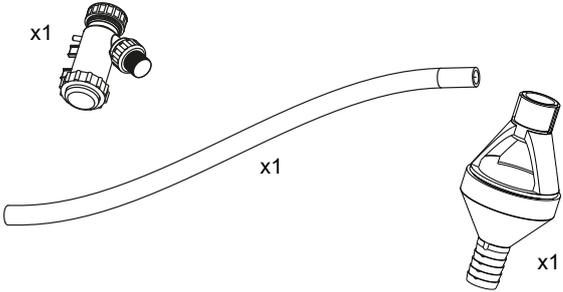


Pour le raccordement du circulateur, se reporter à la notice de la chaudière

00U07416620-A

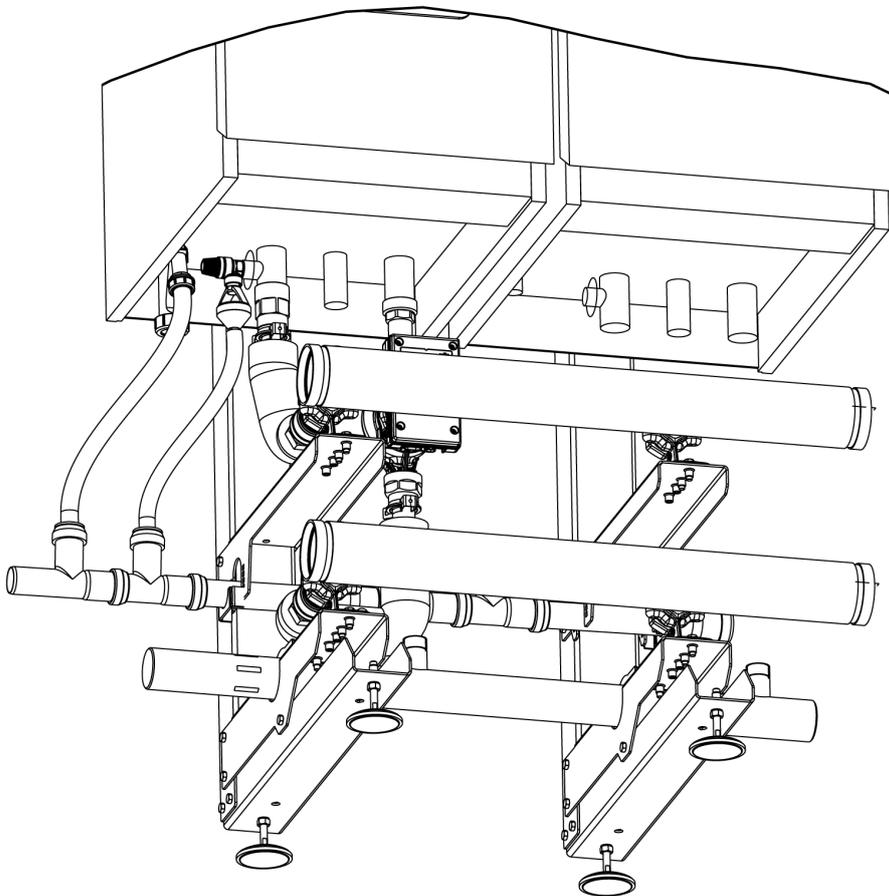
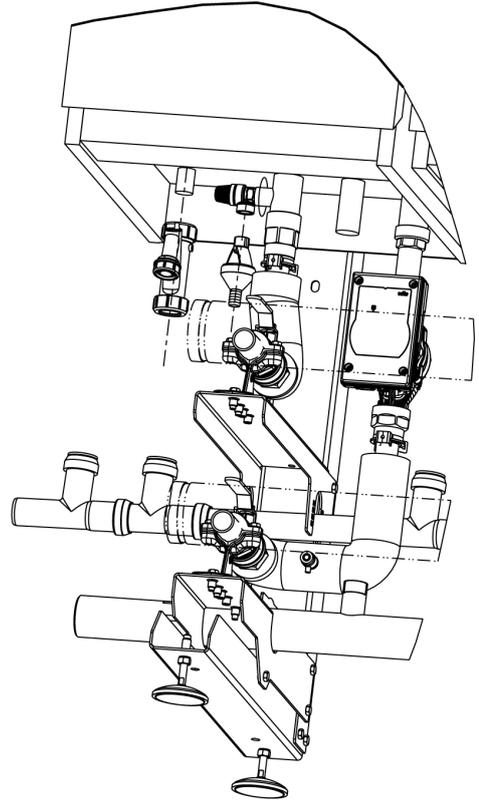
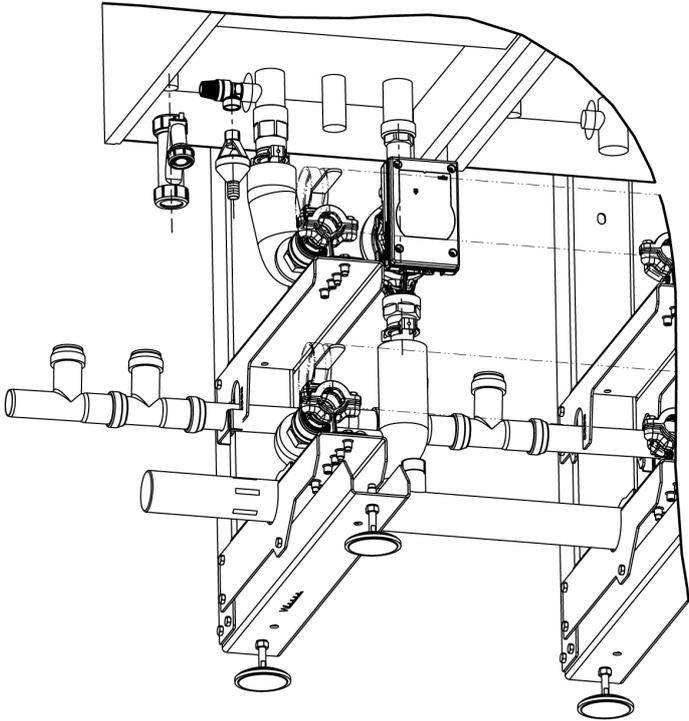
10.

Raccordement condensats, soupape et gaz

					
082663		x2	x3	x4	35 40 60
082664		x2	x3	x4	70 80 100
082665		x2	x3	x4	120
082666		x2	x3	x4	150
		x2	x3	x4	

1

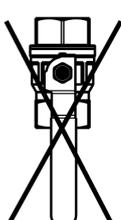
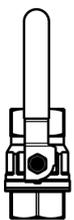
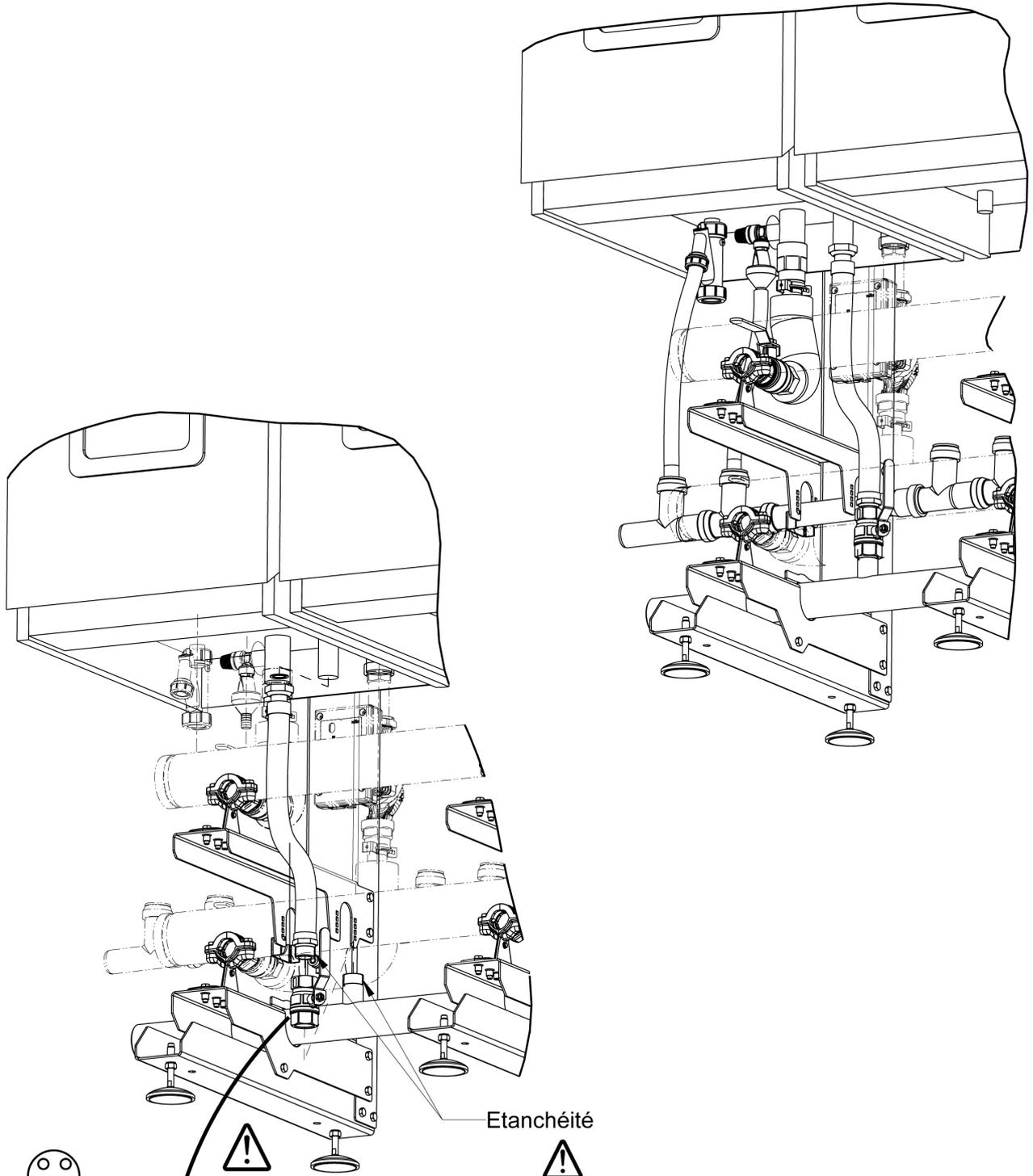
		
x2	x3	x4



00U07417330-A-F1

2

x2	x3	x4



00U07417400-A-F1

Le flexible U0628714 NF est un flexible pour le gaz suivant la norme NF D 36-123. La pression maximale d'utilisation (P_{MAX}) est de 2 bar.
Le rayon de courbure maximale de montage admissible est de 90 mm maxi.



Toute destruction ou détérioration de tout ou partie du tuyau flexible nécessite son remplacement. Par ailleurs, toute modification du tuyau flexible est interdite.

Les torsions, les courbures et les vibrations trop importantes doivent être évitées.

Les installations doivent être réalisées en respectant la réglementation en vigueur et les règles de l'art ; Notamment, il est nécessaire après installation du flexible de vérifier l'étanchéité de l'installation avec un moyen approprié de détection de fuite.

Il est impératif de suivre les indications de montage des fabricants du tuyau flexible et de l'appareil, notamment la position et l'orientation des points de raccords.

Ce tuyau flexible métallique onduleux ne doit pas distribuer des GPL en phase liquide.

La perte de charge pour assurer le débit de gaz dépend du type de gaz, et du diamètre, de la longueur, des conditions d'installation du tuyau flexible.

Vérifier :

la compatibilité des extrémités du tuyau flexible avec les raccords de l'appareil et de l'arrivée de gaz, des adaptateurs seront éventuellement nécessaires.

l'adéquation du débit du tuyau flexible au débit requis par l'appareil.

Le tuyau flexible est livré avec un joint plat gaz D30x22,4x2 NF D 36-123.

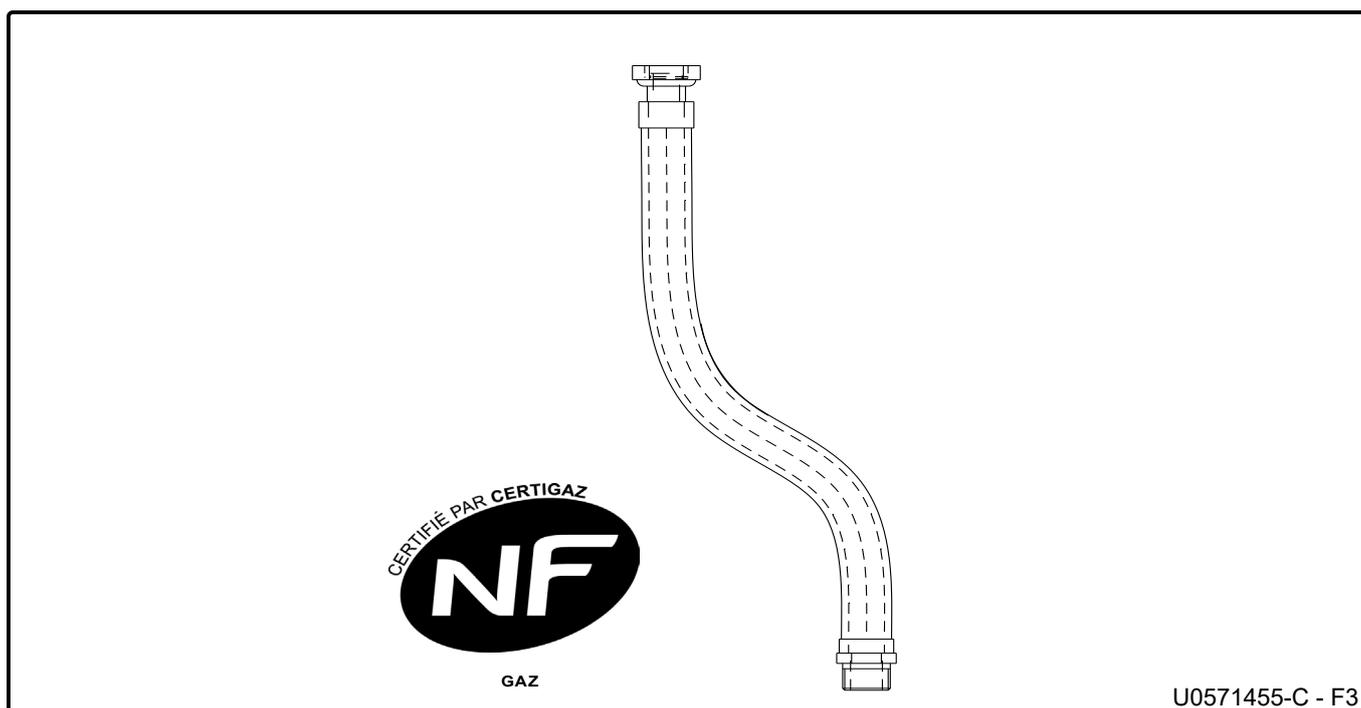
Selon l'état du joint sur le raccord à écrou prisonnier, il peut être nécessaire de le remplacer après démontage.

Il est recommandé de réaliser l'étanchéité des montages par interposition d'une matière de joint impérativement compatible avec le gaz suivant la norme NF EN 751 (ne concerne que le filetage R 1").

IMPORTANT : vérifier la compatibilité des raccords de l'appareil et de l'arrivée de gaz, ainsi que la présence du joint et de son bon état.

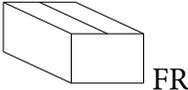
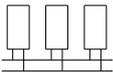
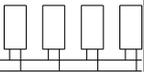
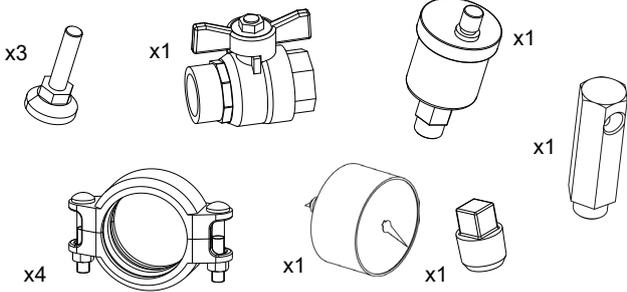
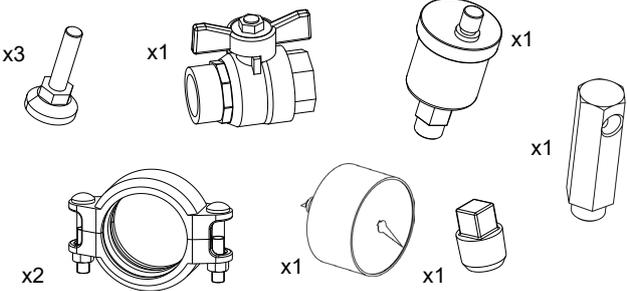
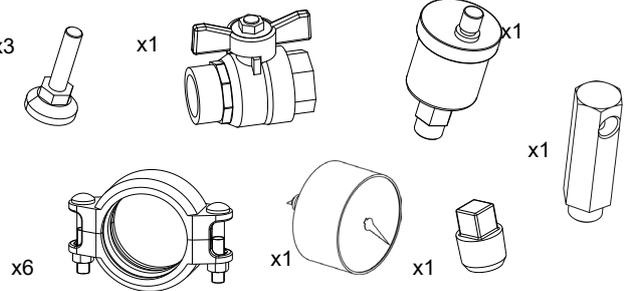
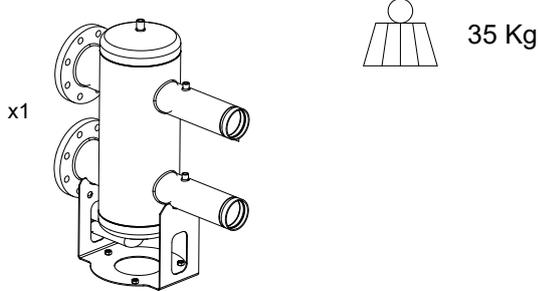
Ce flexible est uniquement destiné au raccordement gaz des packs cascade VARFREE et monté avec les composants livrés.

Le flexible est sans date limite d'emploi, cependant en cas de dégradation il devra être remplacé.

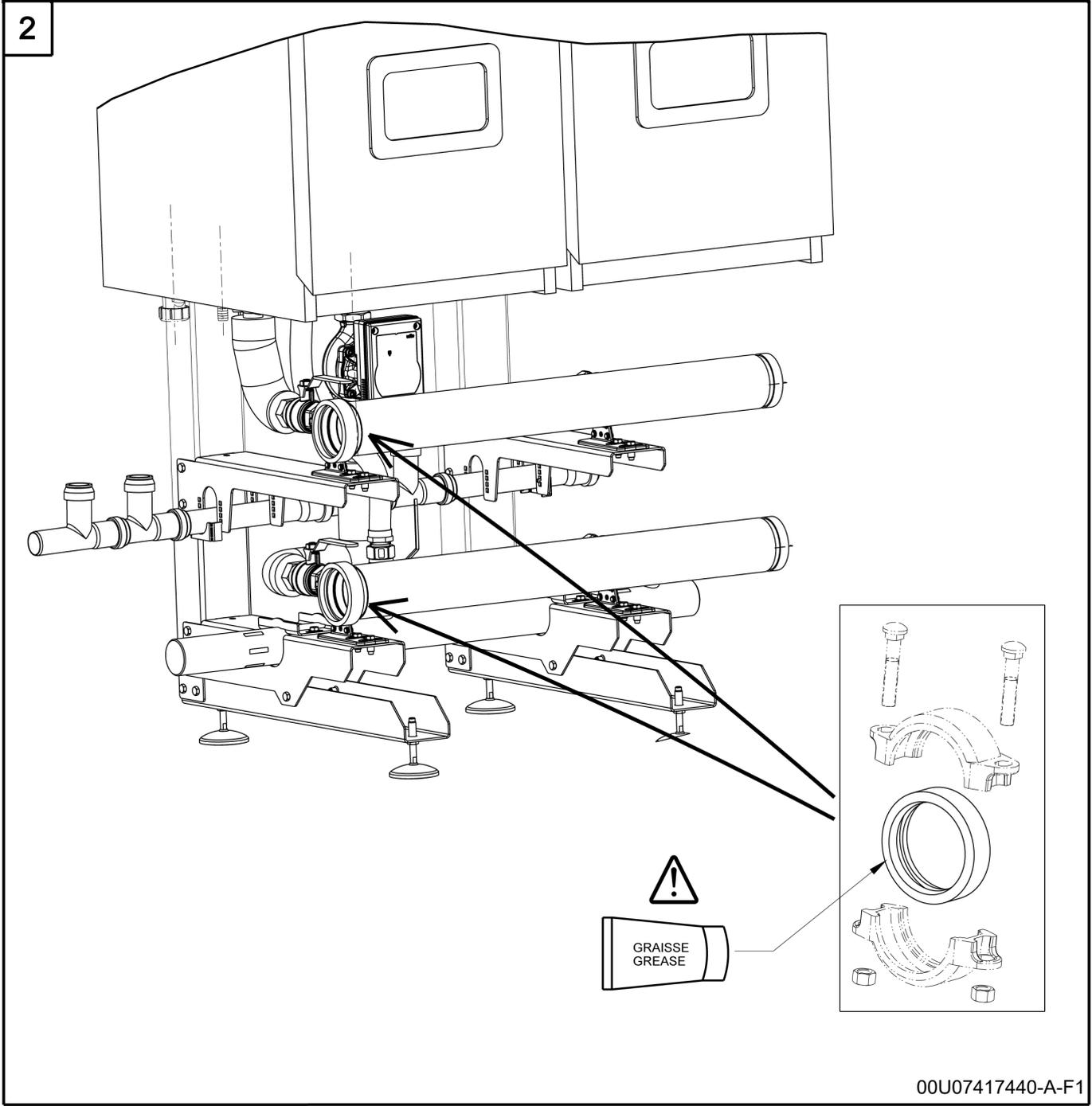
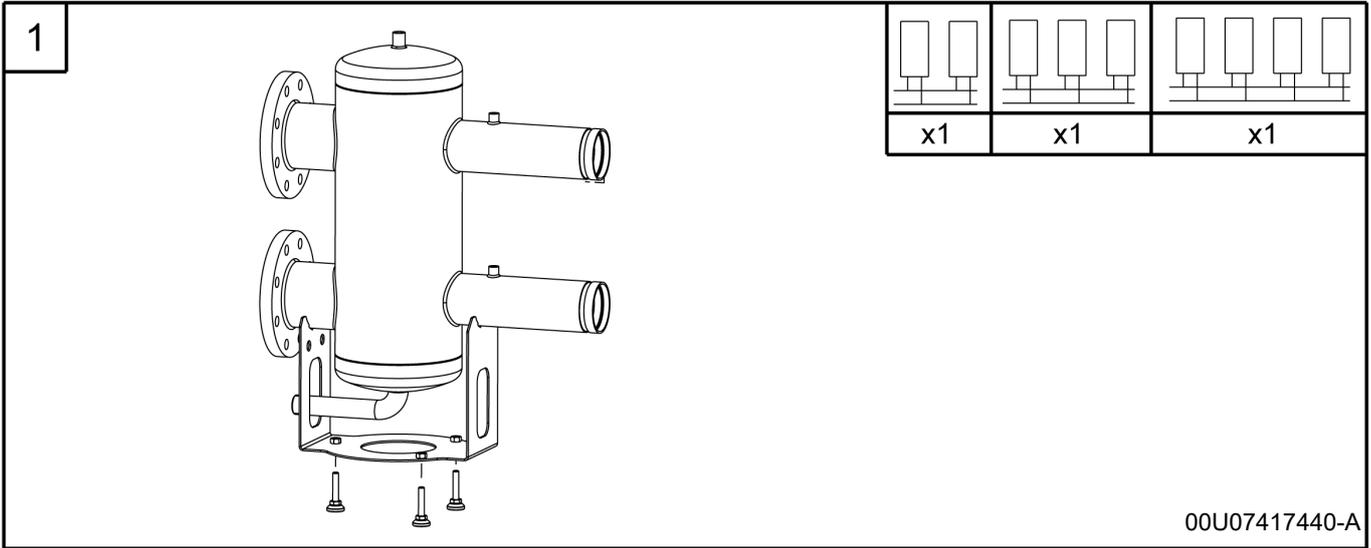


11.

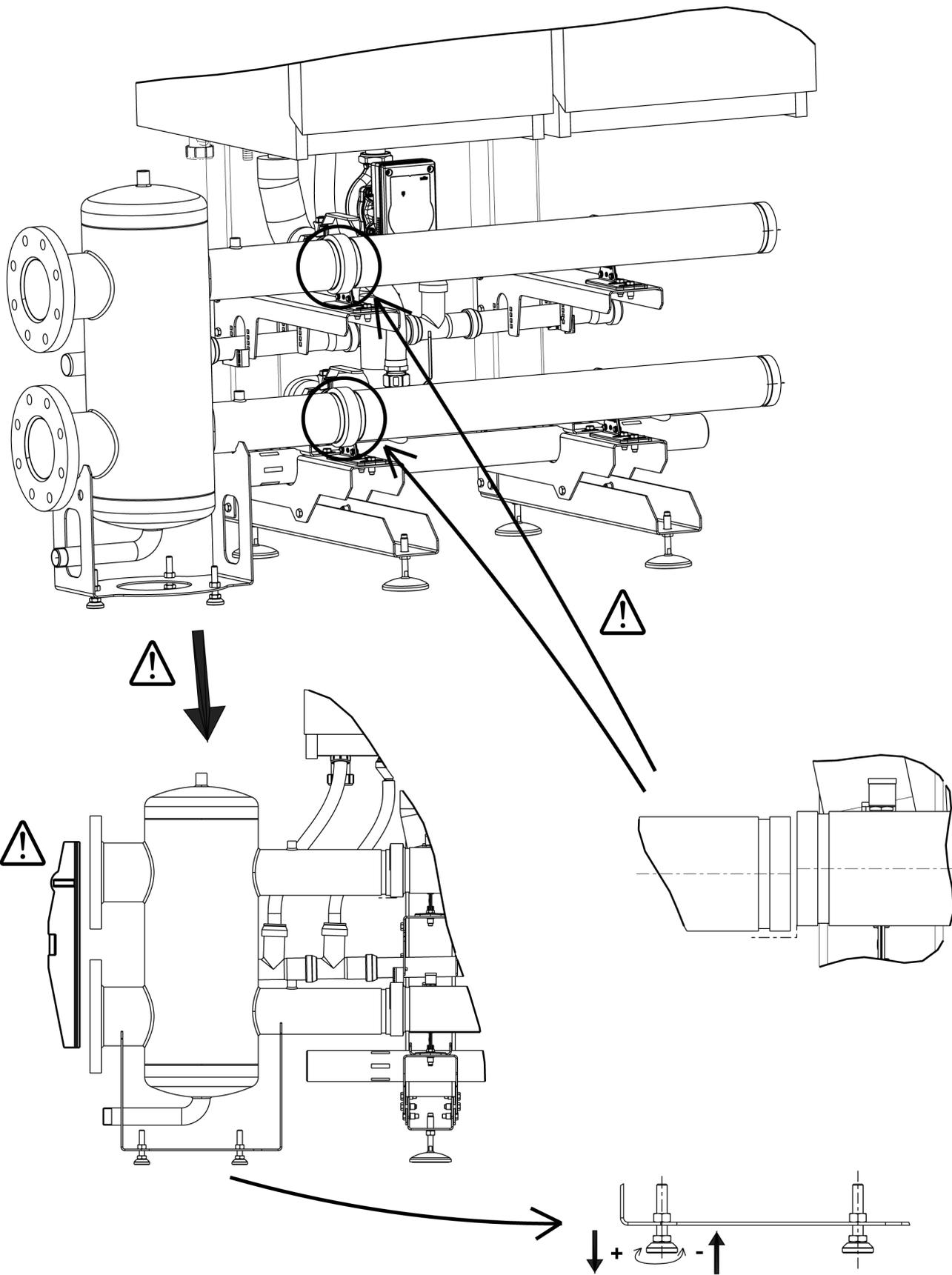
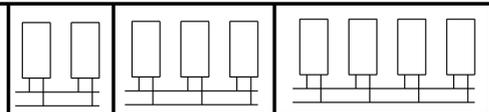
Raccordement bouteille

				
082672		x1		
082673			x1	
082674				x1
082306		x1	x1	x1

00U07398490-A-F2 & U0571624-A

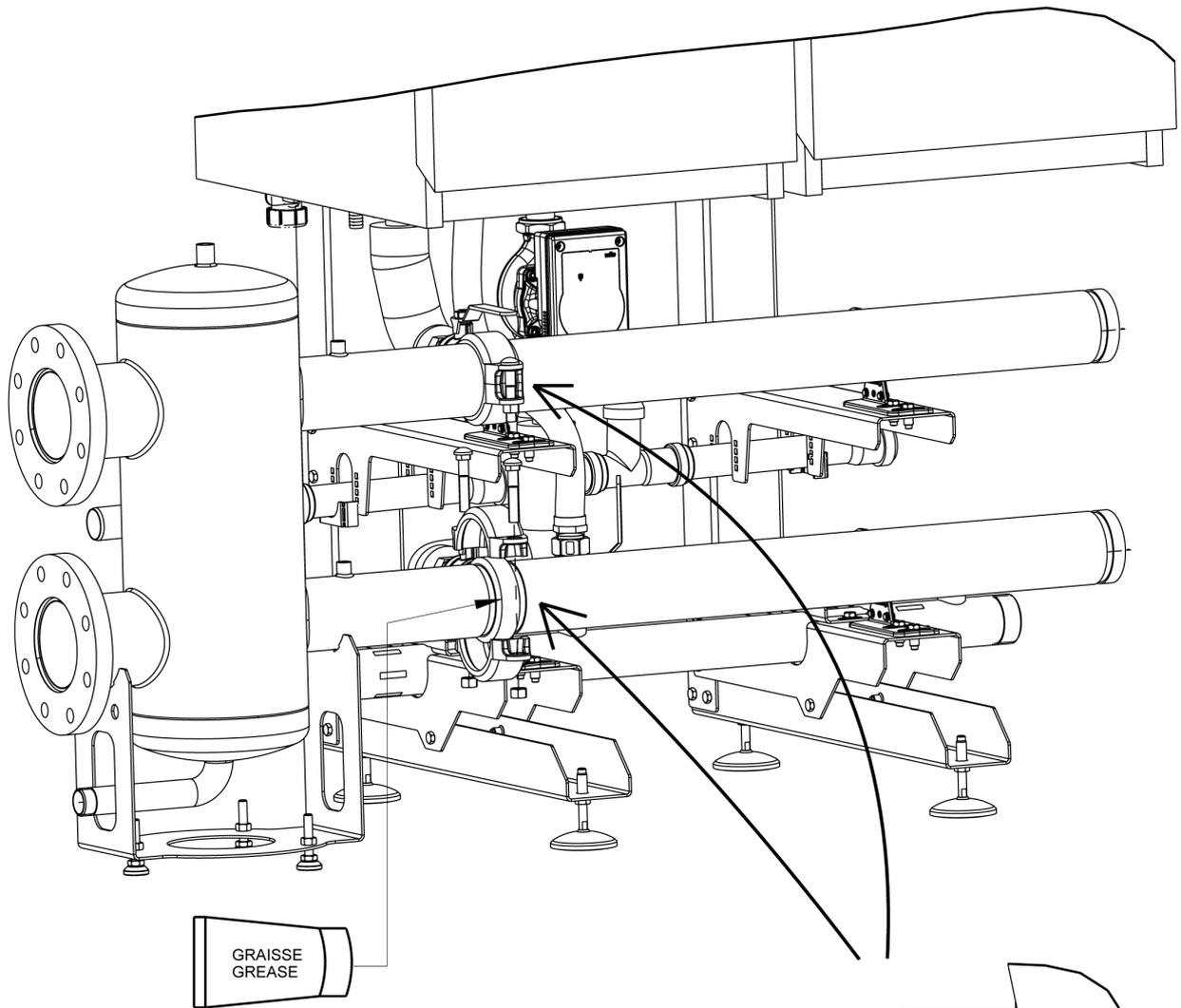
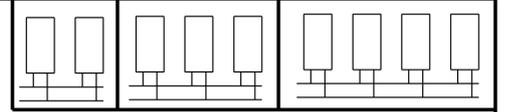


3

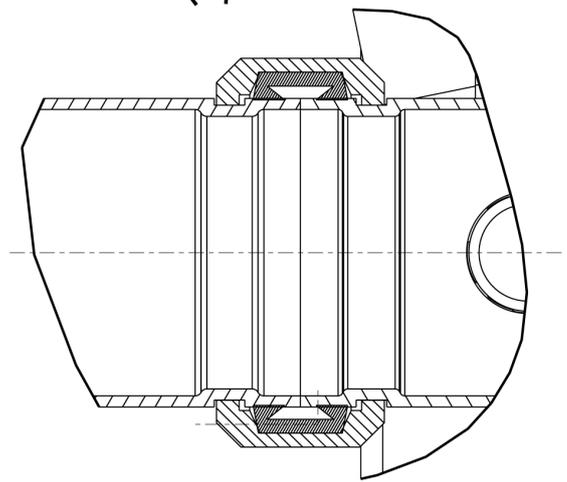


00U07417450-A-F1

4



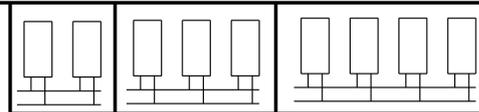
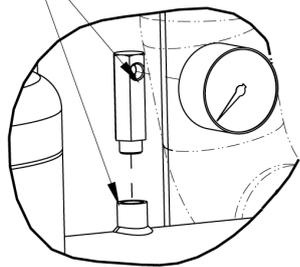
GRAISSE
GREASE



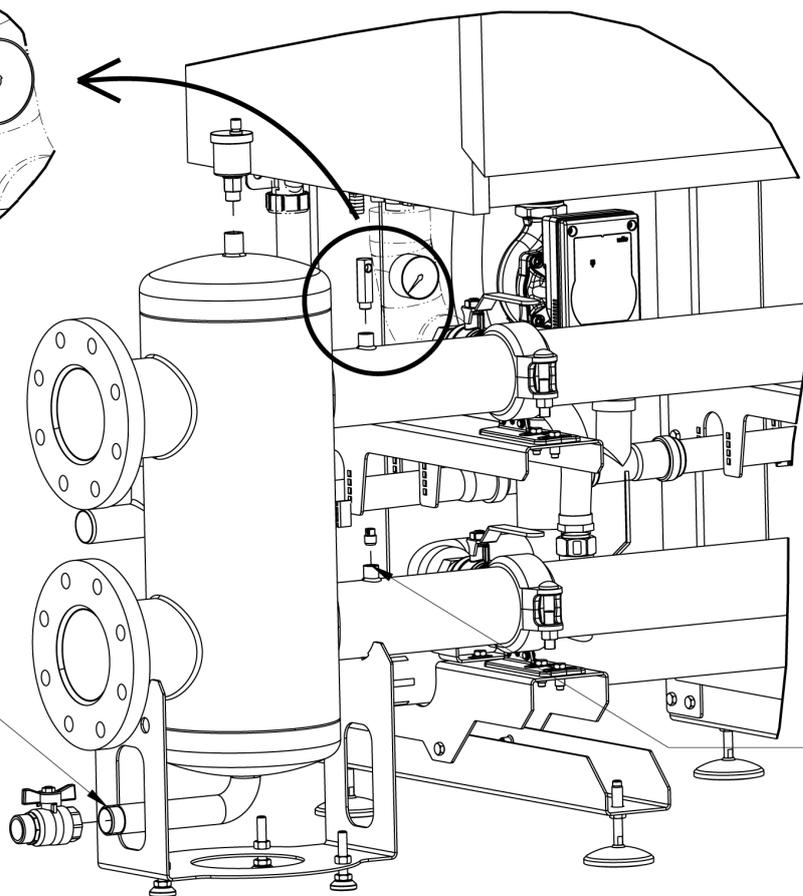
00U07417460-A

4

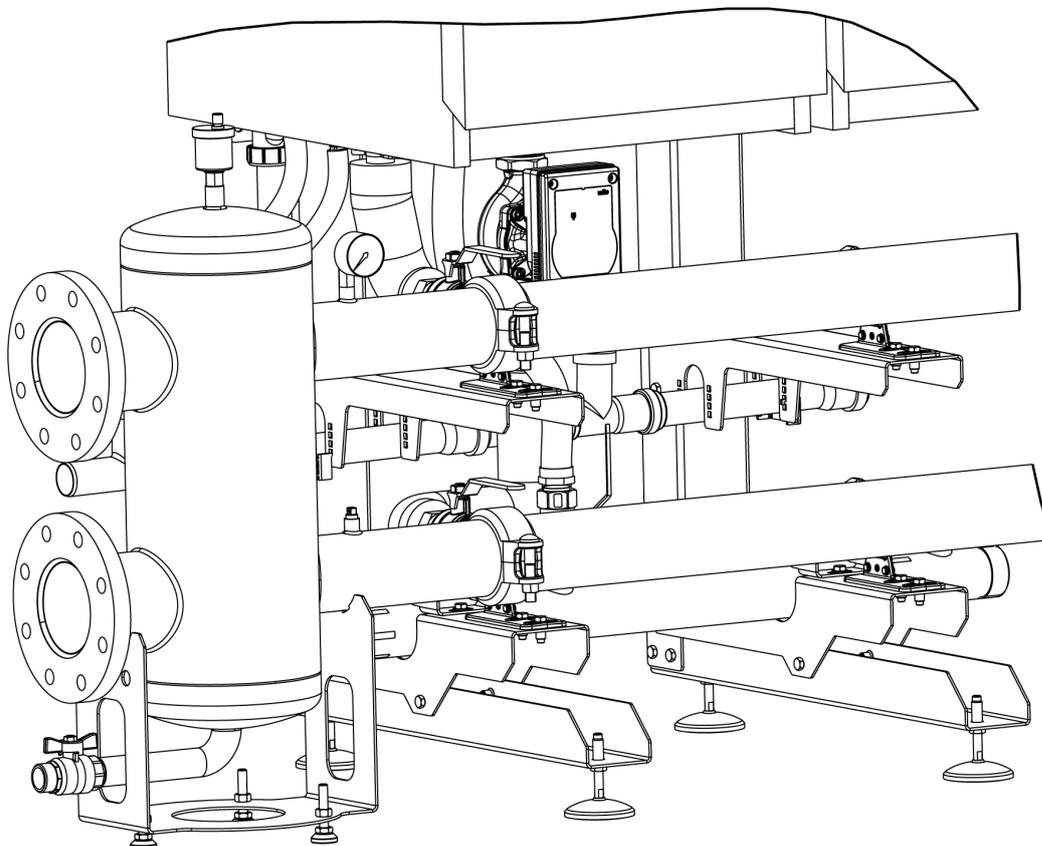
Etanchéité



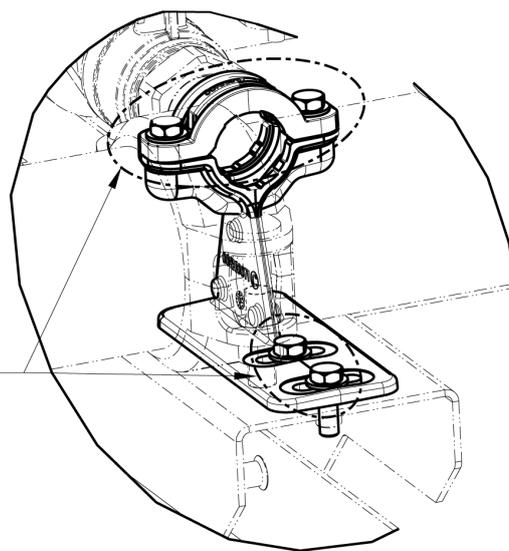
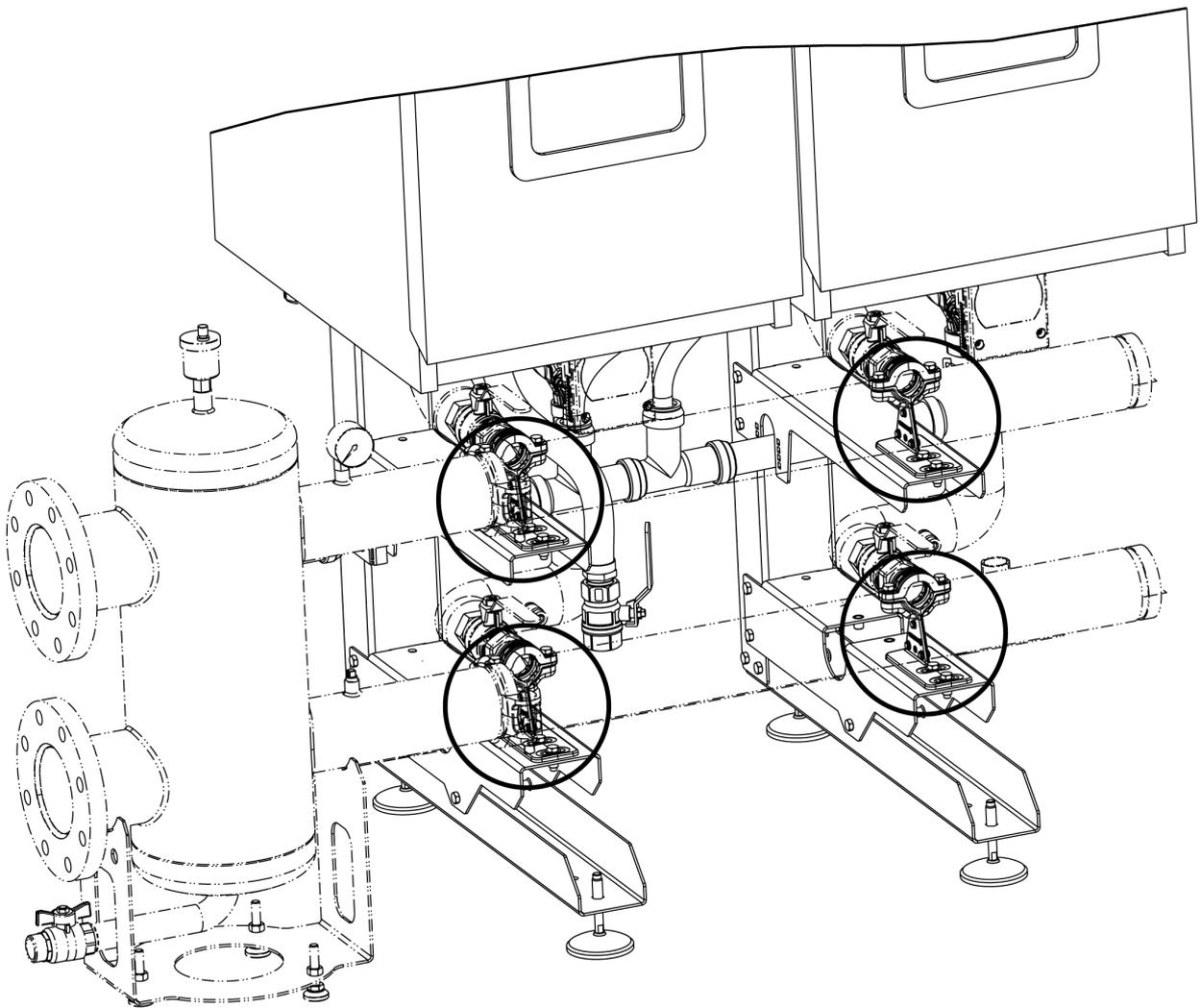
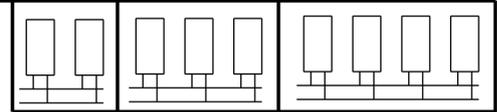
Etanchéité



Etanchéité



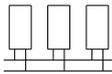
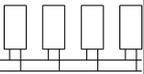
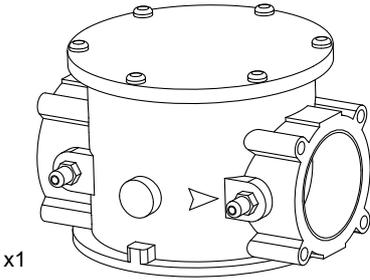
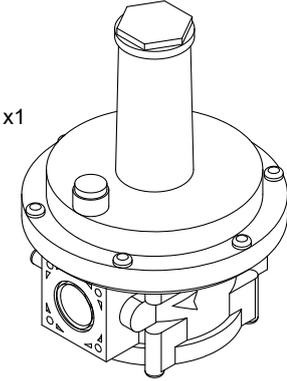
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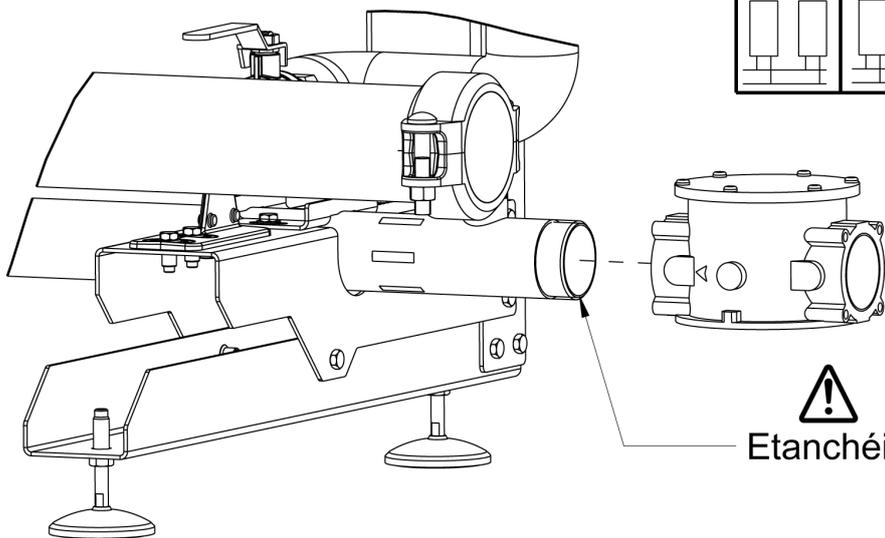
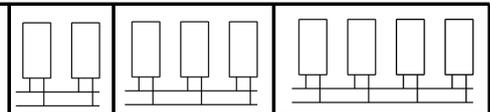


Resserrer les vis HM8 - Maxi 8N.m

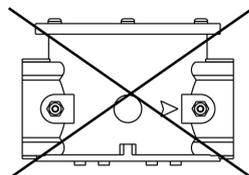
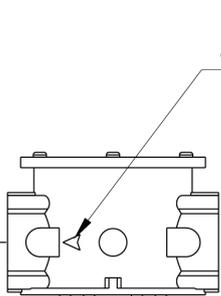
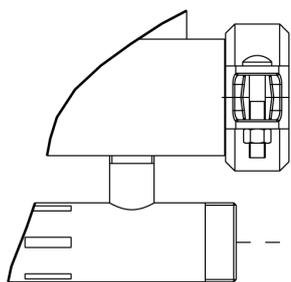
12.

Raccordement filtre et régulateur gaz

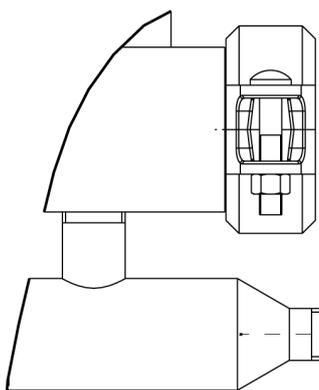
				
082321	<p>20 mbar</p>  <p>x1</p>	x1	x1	x1
059772	<p>300 mbar</p>  <p>x1</p>	x1	x1	x1



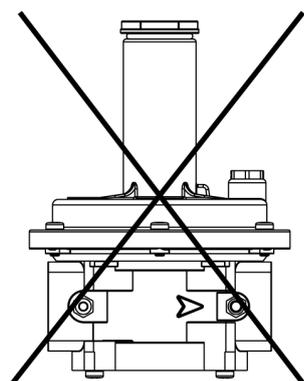
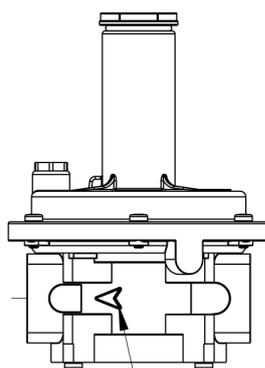
Etanchéité



00U07417580-A



Etanchéité



!

00U07417590-A-F1

13.

Raccordement fumées

35 - 40 - 60			70			80 - 100		
083813	083816	083819	083813	083816	083820	083814	083818	083821
2 x 040945 2 x 083848 1 x 700391	3 x 040945 3 x 083848 1 x 700391	4 x 040945 4 x 083848 1 x 700391	2 x 040945 2 x 083848 1 x 700391	3 x 040945 3 x 083848 1 x 700391	4 x 083852 4 x 083849 1 x 041054	2 x 041052 2 x 083850 1 x 700391	3 x 041052 3 x 083849 1 x 041054	4 x 041052 4 x 083849 1 x 041054
120						150		
083815	083818	083822	083815	083847	083822			
2 x 041052 2 x 083849 1 x 041054	3 x 041052 3 x 083849 1 x 041054	4 x 041052 4 x 083851 1 x 082336	2 x 041052 2 x 083849 1 x 041054	3 x 041052 3 x 083851 1 x 082336	4 x 041052 4 x 083851 1 x 082336			

040945		x1		x1		x1		x1		
041052				x1		x1		x1		
041054 082336 700391		x1		x1		x1	041054 : $\phi A = 200$ 082336 : $\phi A = 250$ 700391 : $\phi A = 160$			
083848		x1		x1						
083849 083850 083851		x1		x1	083849 : $\phi A = 200$ 083850 : $\phi A = 160$ 083851 : $\phi A = 250$					
083852		x1		x1		x1		x1		x1

00U07417630-A

Si la cheminée se trouve à gauche de la cascade, l'orientation du carneau doit être inversée par rapport aux vues ci-après.

35 - 40 - 60 - 70

1

35 - 60 kW

	A	B	C	D
L	193	213	233	253

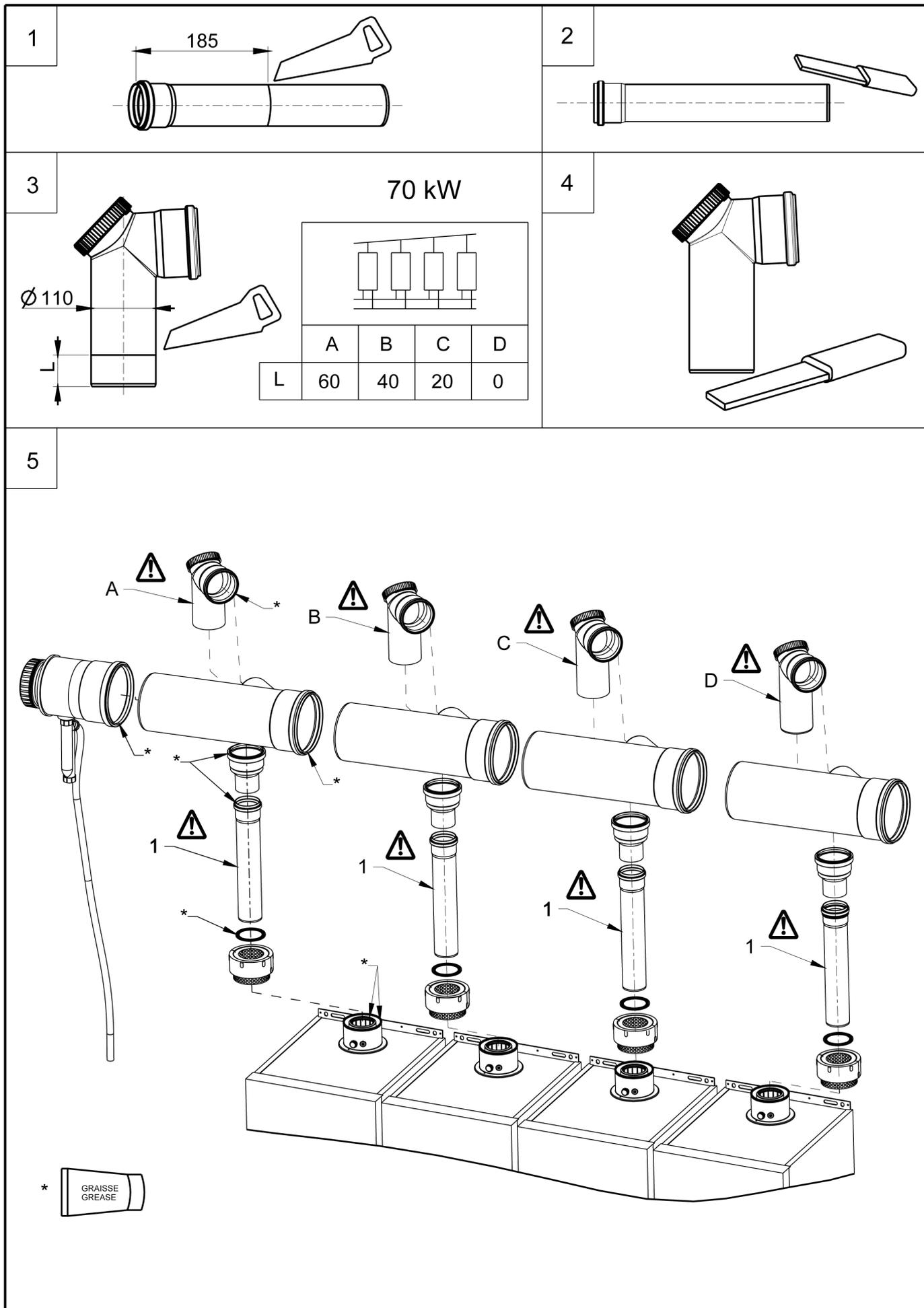
70 kW

	A	B	C
L	193	213	233

2

3

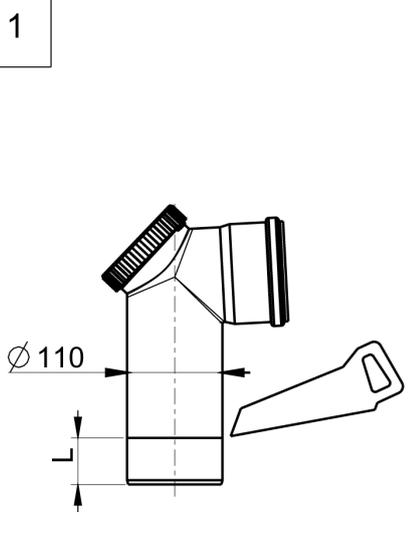
00U07419780-A



00U07419930-A

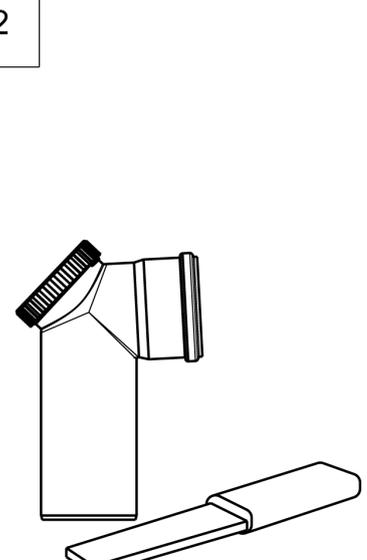
80 - 100 - 120 - 150

1

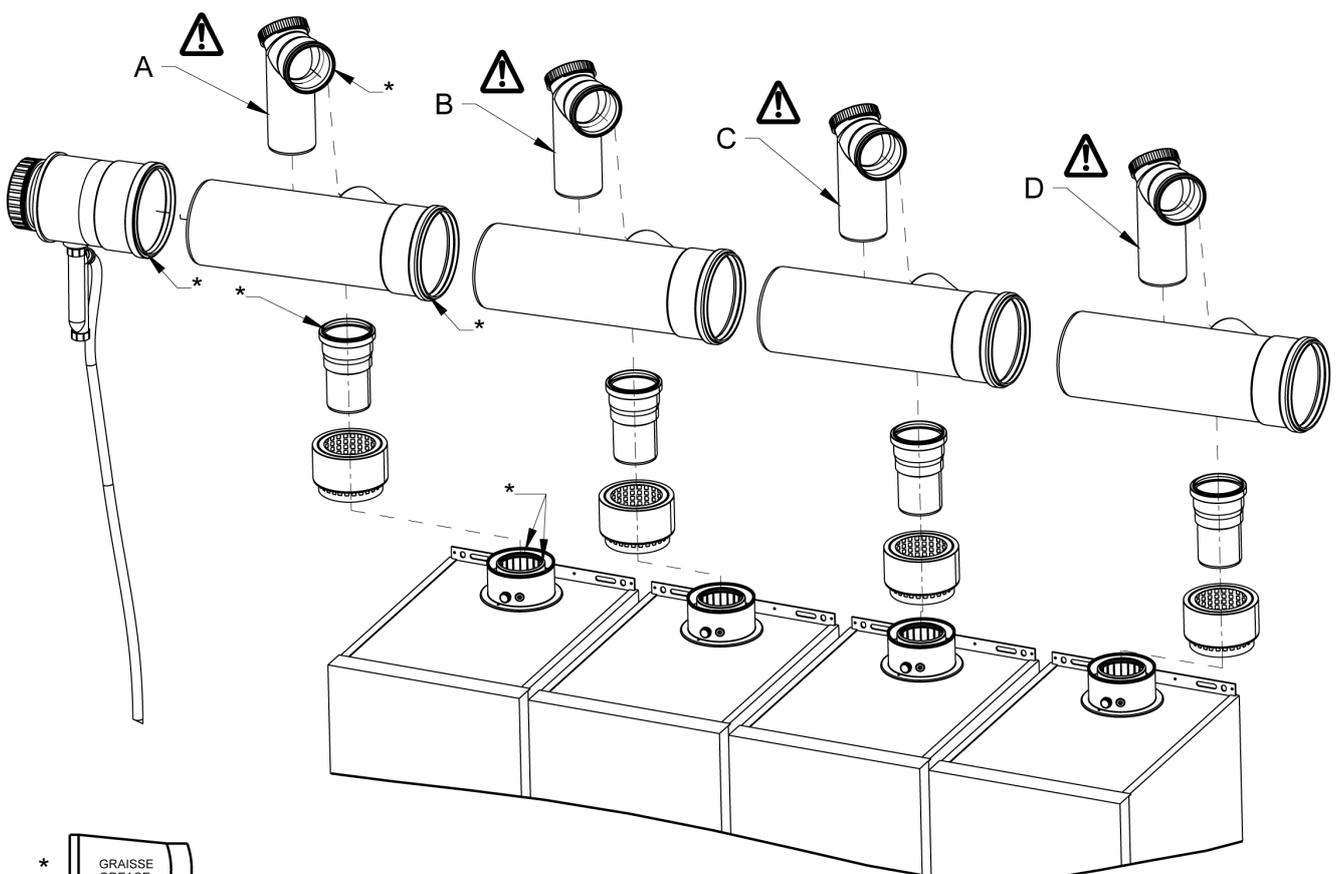


	A	B	C	D
L	60	40	20	0

2



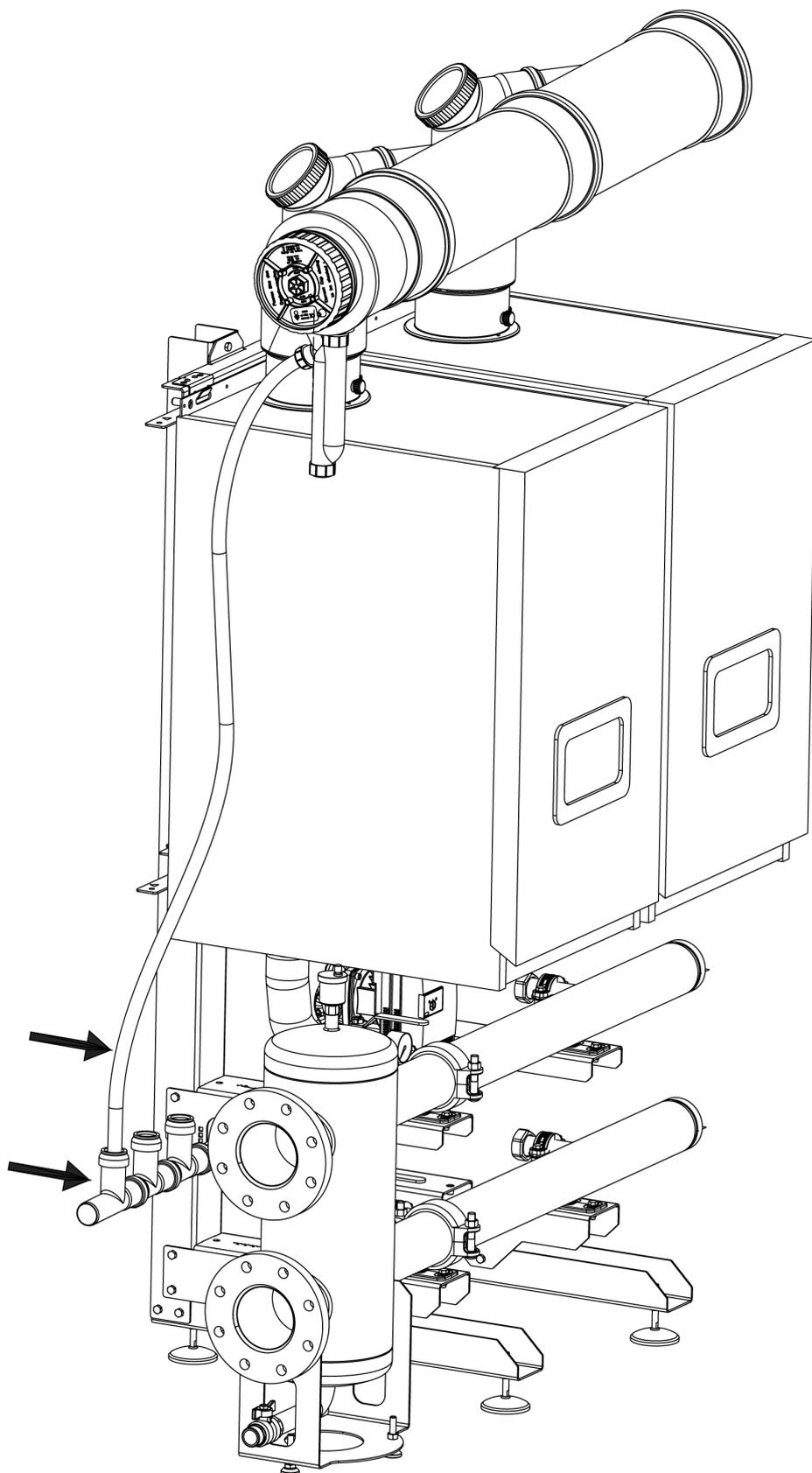
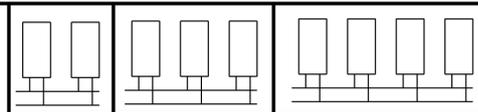
3



* GRAISSE
GREASE

00U07420120-A

35 - 40 - 60 - 70 - 80 - 100 - 120 - 150



00U07420230-A

14.

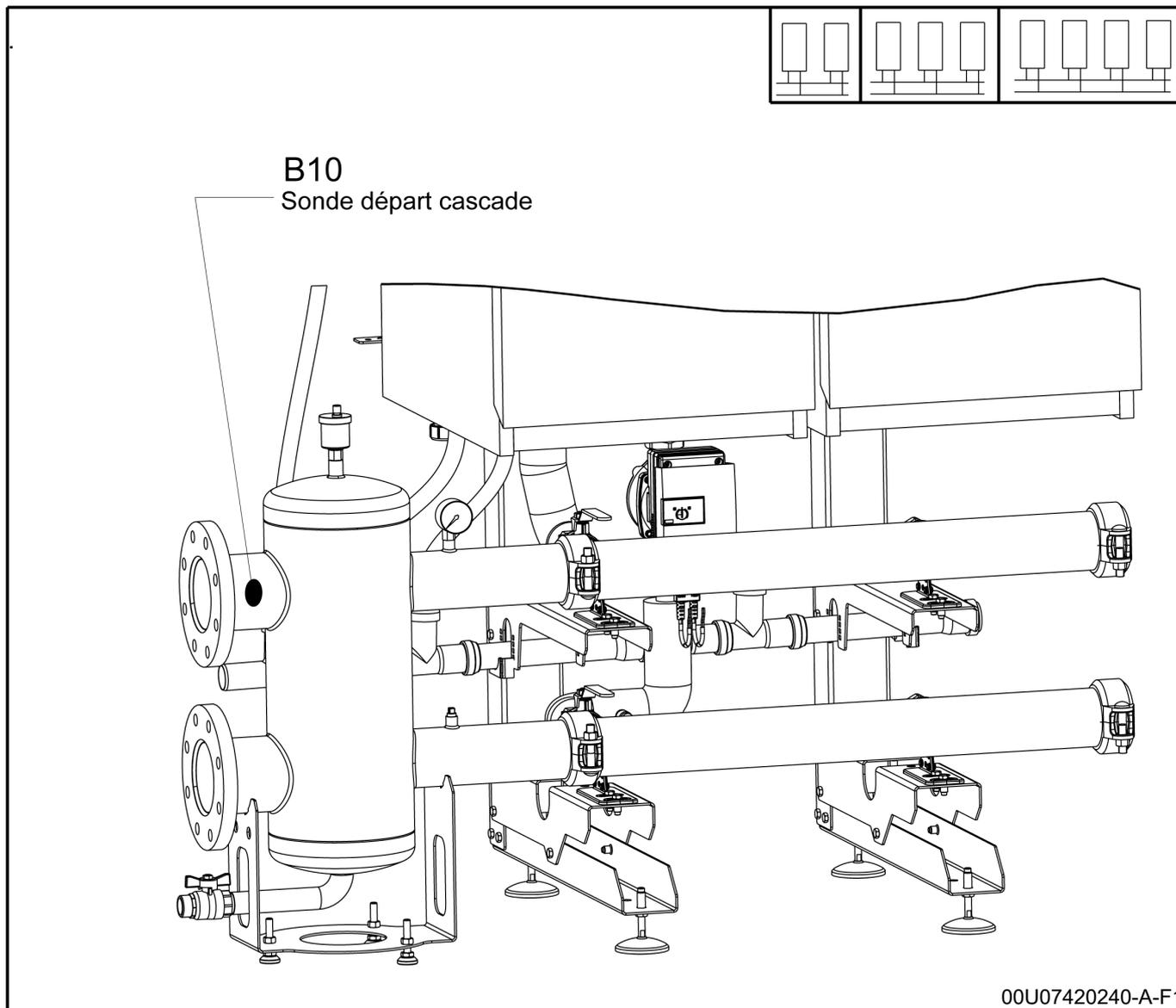
Raccordements électriques chaudières

OCI 345

Se référer à la notice de l'interface OCI 345 contenue dans le kit 059752, afin de réaliser son montage et son raccordement électrique.

B10 : Sonde départ cascade

Positionner une sonde en "applique" sur la tubulure départ secondaire (entre la bride et la bouteille).
Raccorder la sonde sur l'entrée BX2 du contrôleur de chaudière NAVISTEM B3100 de la chaudière maître de la cascade.

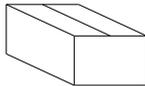
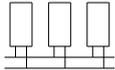
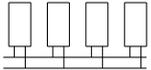
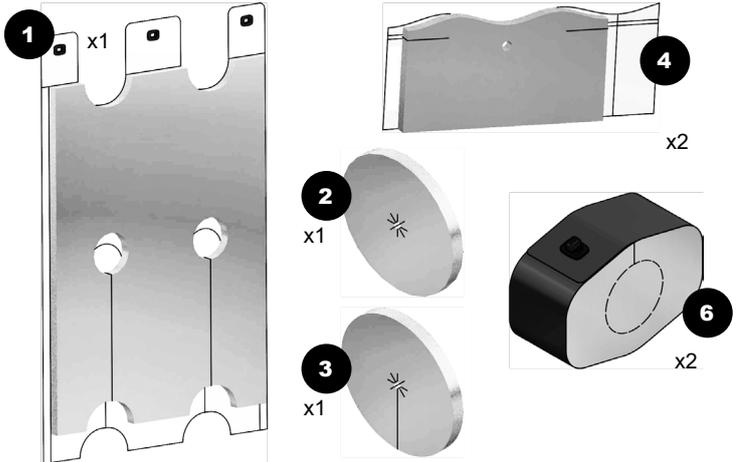
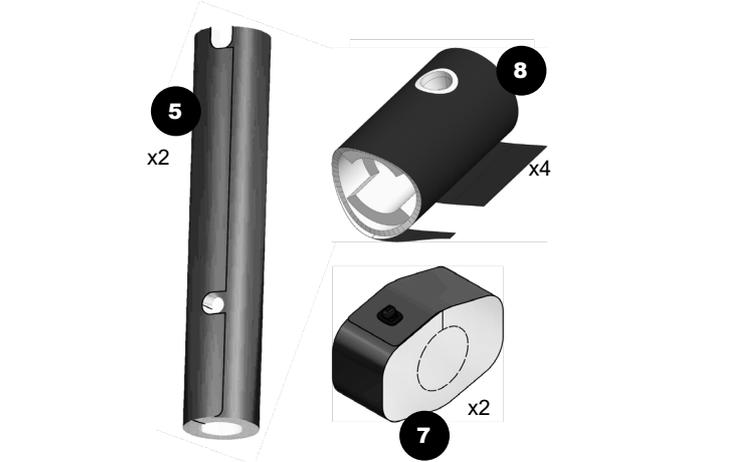
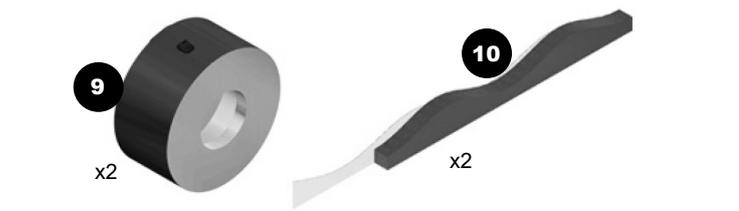


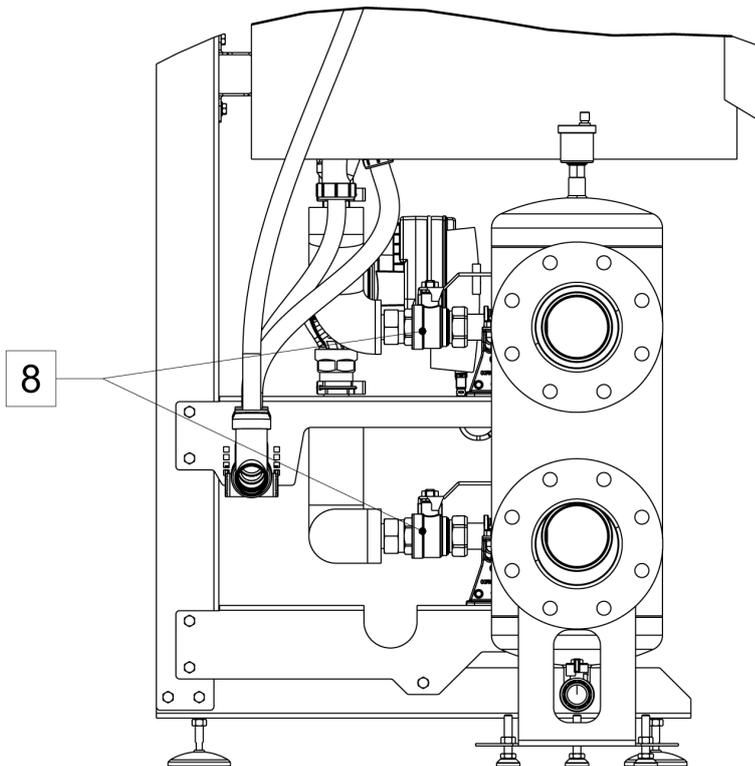
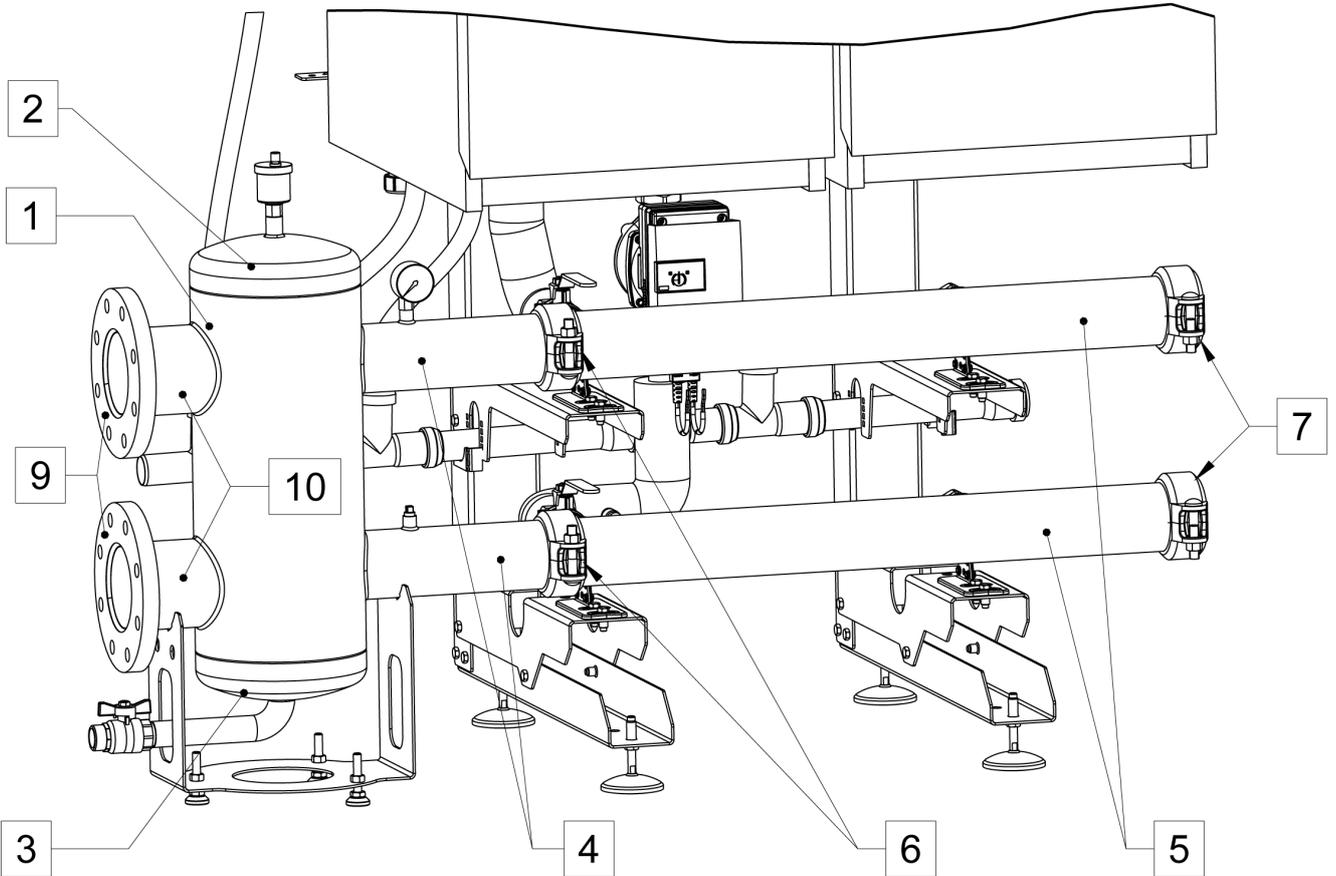
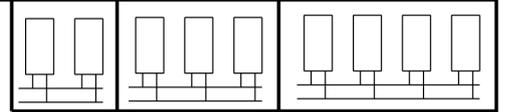
Chaudières

Se référer à la notice du contrôleur de chaudière NAVISTEM B3100 afin de réaliser les différents raccordements électriques sur les chaudières.

15.

Mise en place isolation (Ordre de montage)

				
083868		x 1	x 1	x 1
083869		x 1		x 2
083870			x 1	
082608 (option)		x 1	x 1	x 1



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