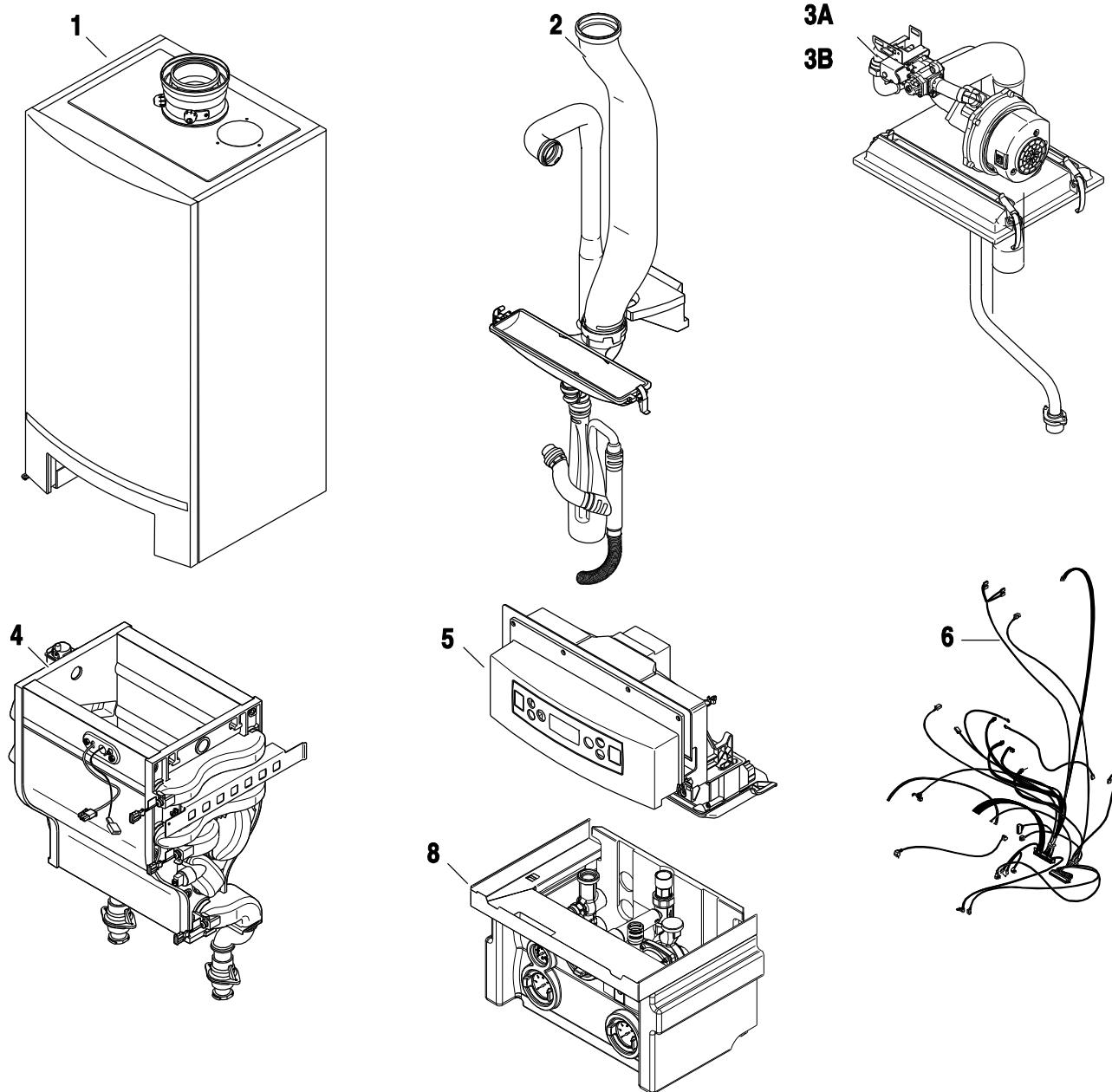


# ZBR 50-3 | ZBR 70-3 | ZBR 100-3



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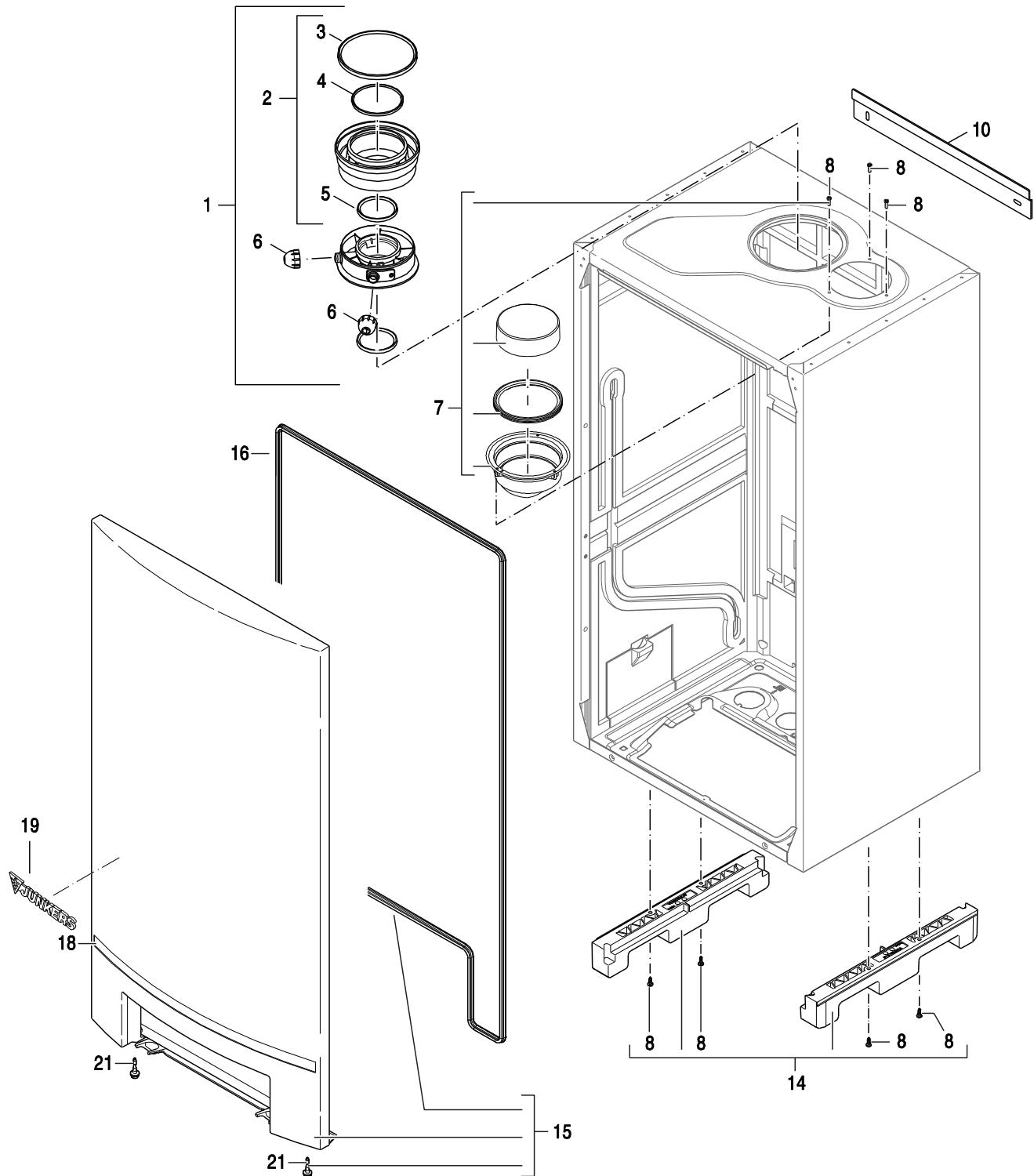
 **JUNKERS**





Ersatzteilliste  
Spare parts list

Liste des pièces de rechange  
Lista parti di ricambio



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Verkleidung

Casing

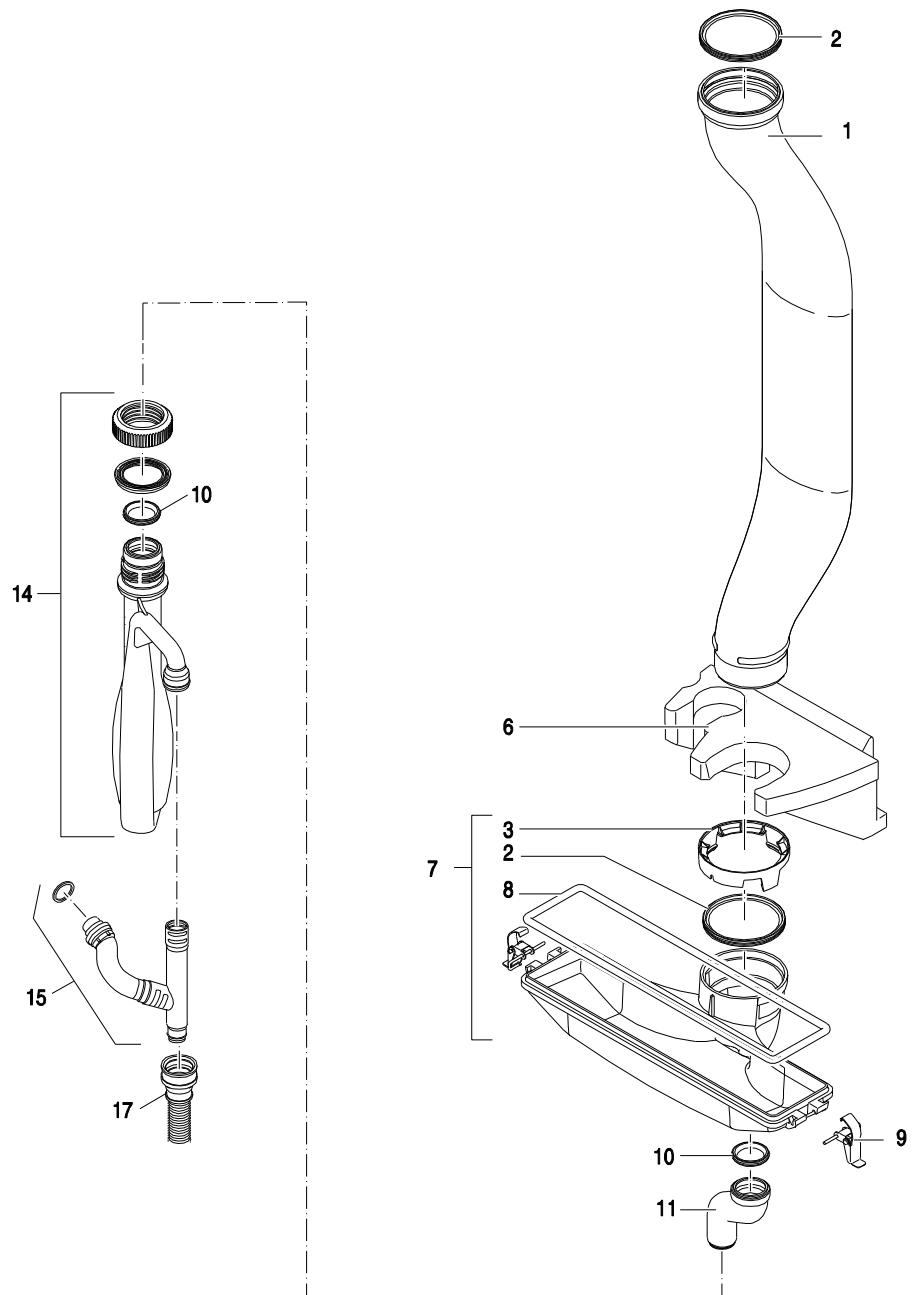
Habillage

Mantello

1

ZBR 50-3 | ZBR 70-3 | ZBR 100-3



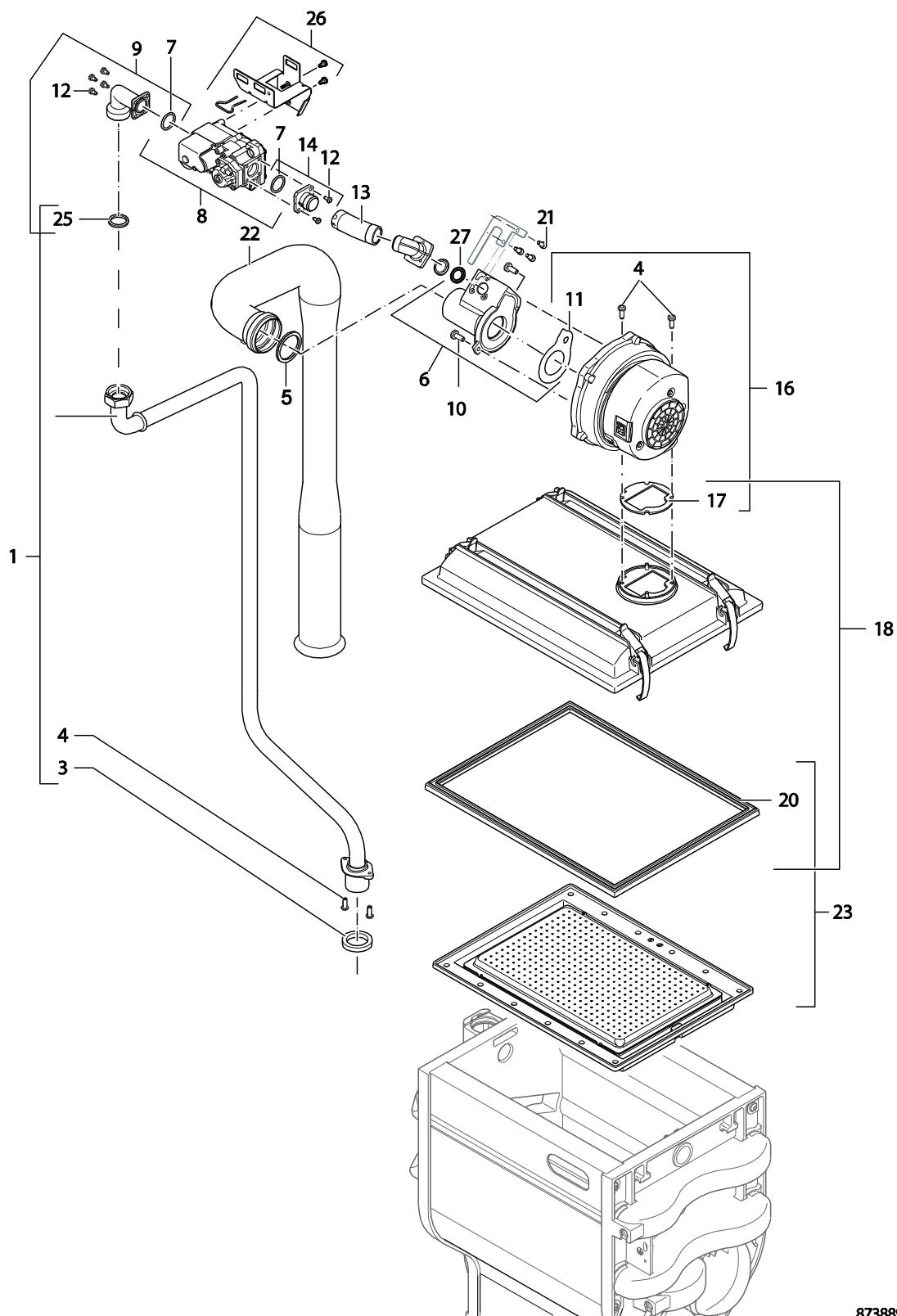


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**2** Kondensatablauf  
Condensate pipes  
Écoulement des condensats  
Scarico condensa

ZBR 50-3 | ZBR 70-3 | ZBR 100-3

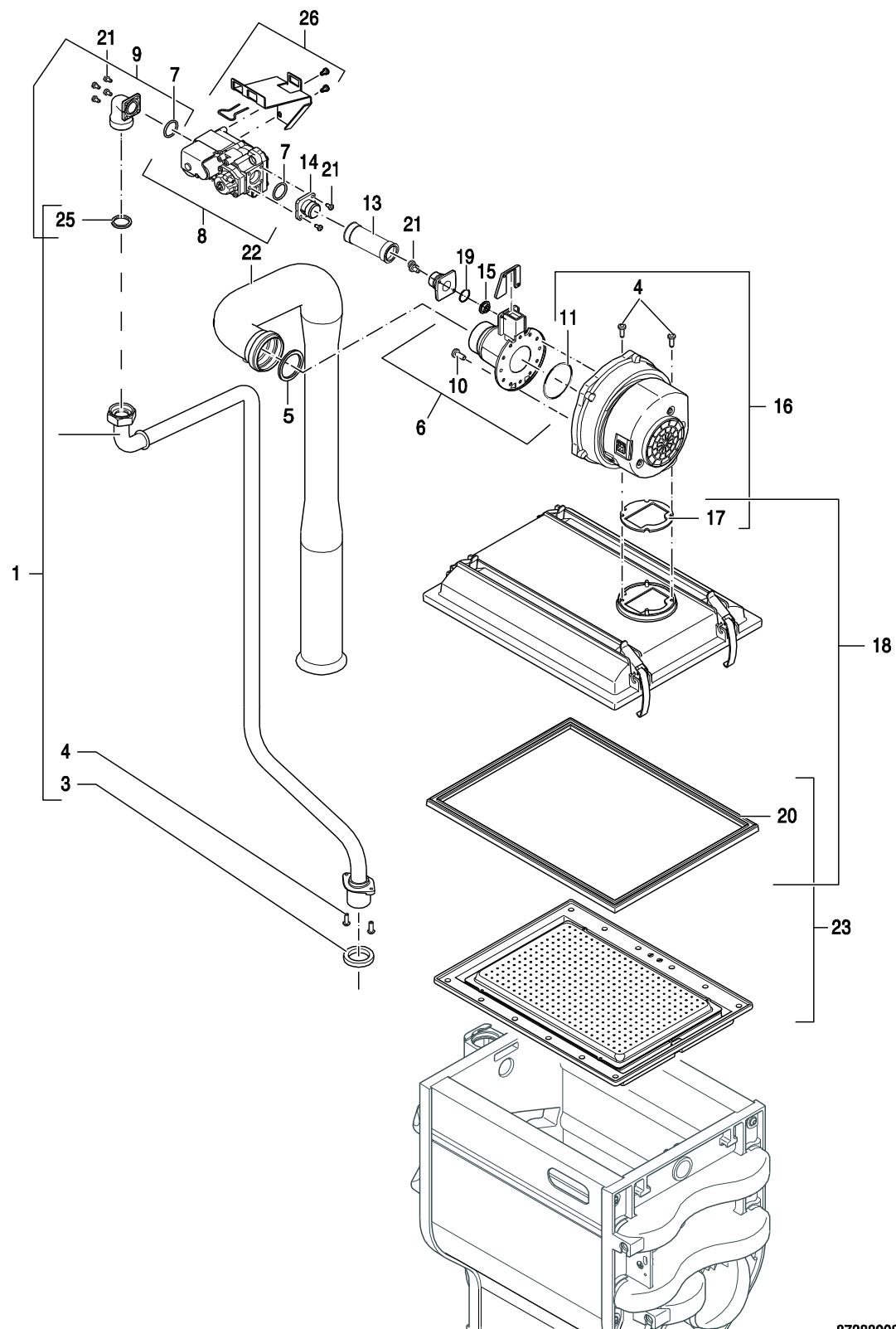




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|          |  |
|----------|--|
| <b>3</b> | Gasarmatur<br>Gas valve<br>Bloc gaz<br>Valvola del gas |
| <b>A</b> | ZBR 50-3   ZBR 70-3   ZBR 100-3                        |

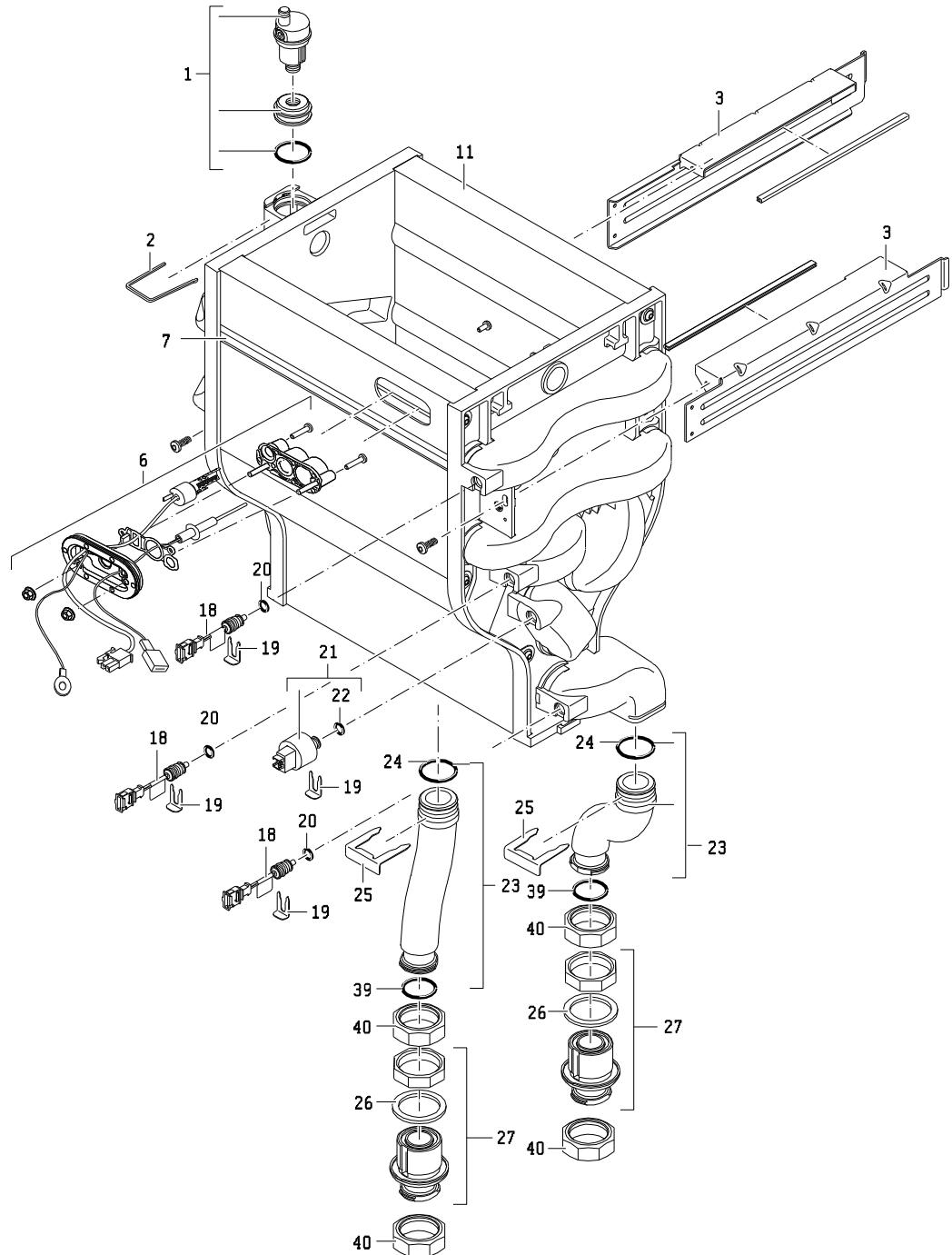




**3** Gasarmatur  
Gas valve  
Bloc gaz  
Valvola del gas  
**B**

ZBR 50-3 | ZBR 70-3 | ZBR 100-3





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Wärmetauscher/Abgas  
Heat exchanger/Flue gas

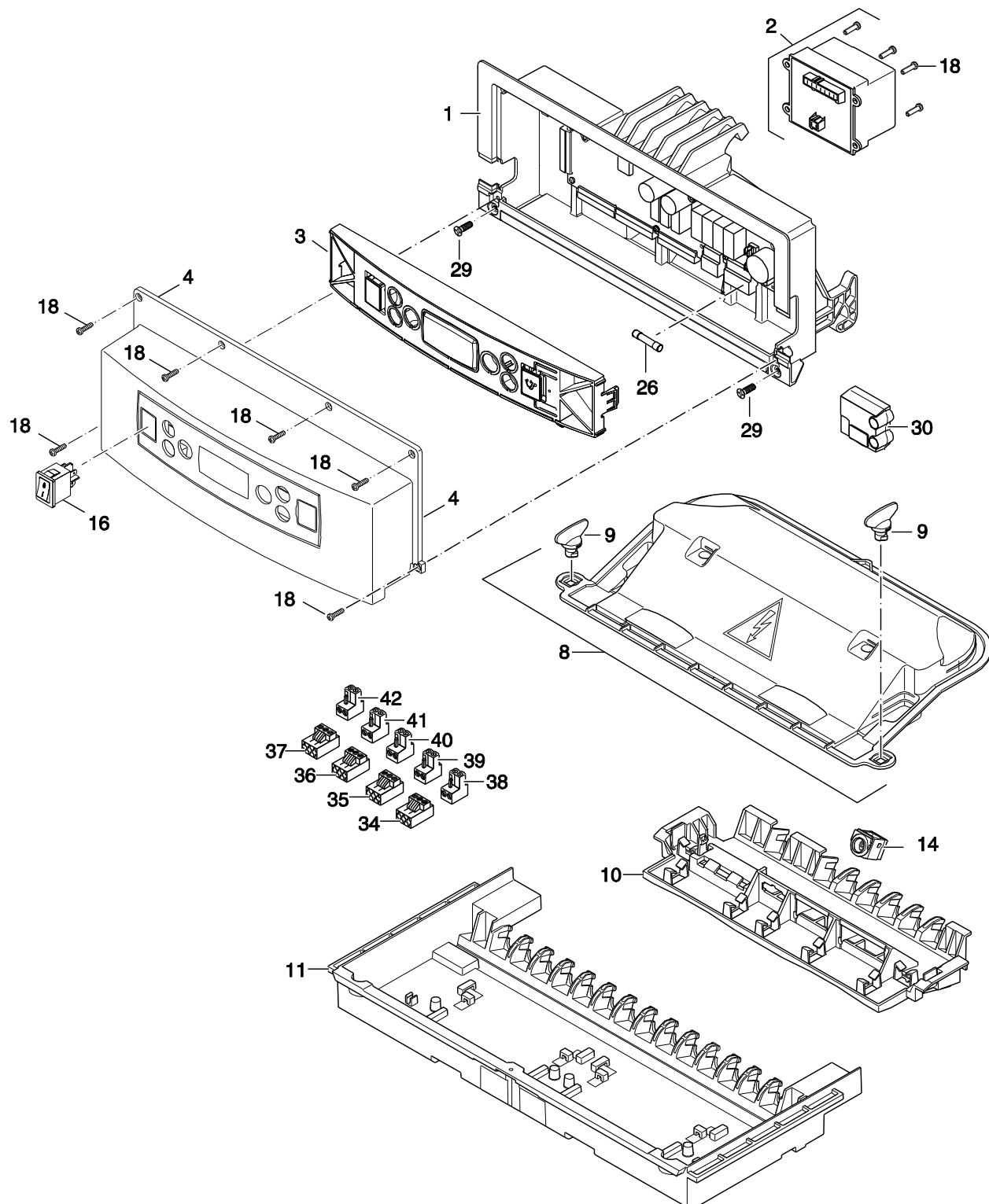
4 Echangeur de chaleur/Fumées  
Scambiatore di calore/Gas combusti

ZBR 50-3 | ZBR 70-3 | ZBR 100-3



**Ersatzteilliste**  
**Spare parts list**

**Liste des pièces de rechange**  
**Lista parti di ricambio**

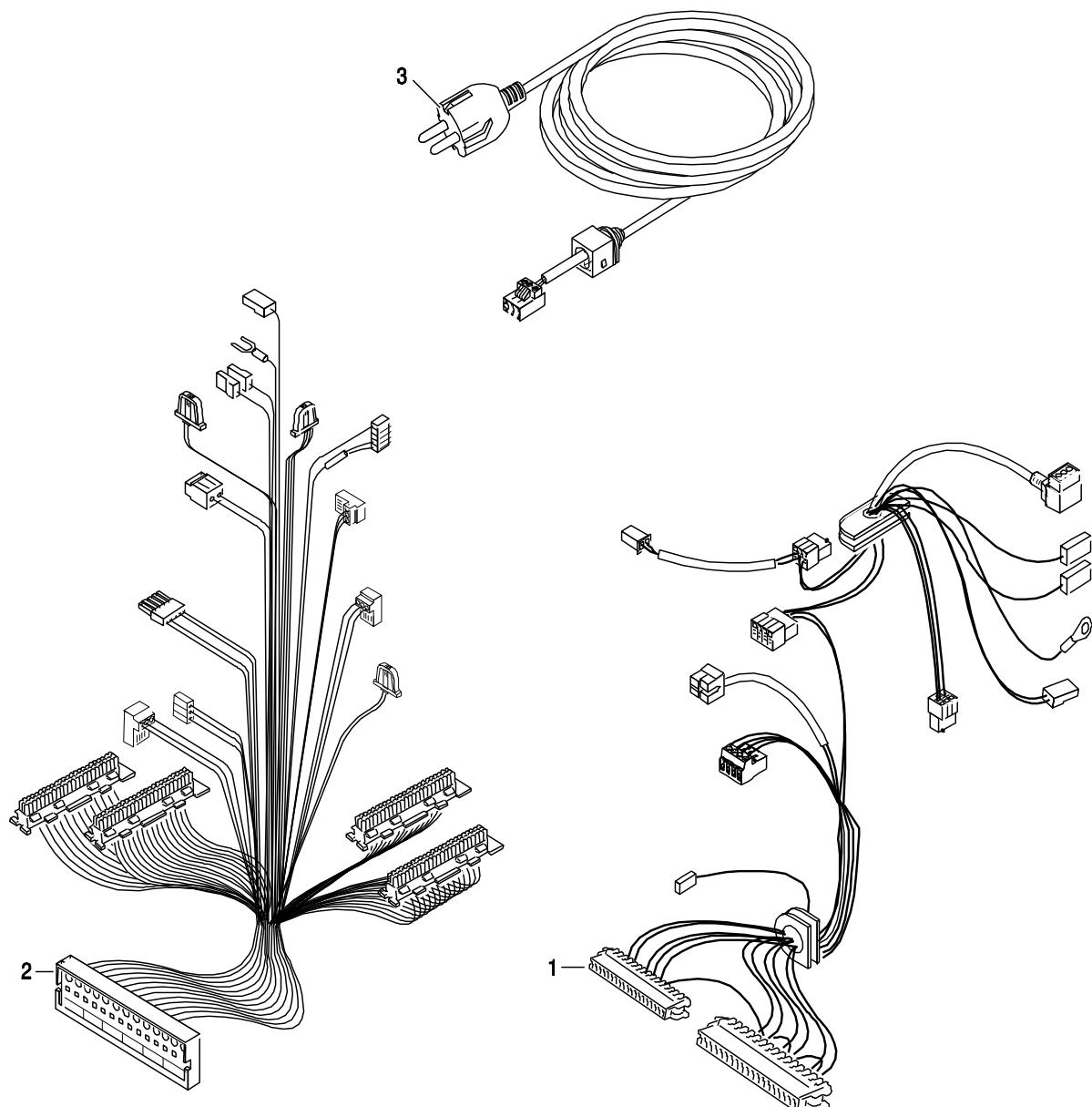


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**5**  
Steuerung  
Control  
Commande  
Unità di comando

**ZBR 50-3 | ZBR 70-3 | ZBR 100-3**



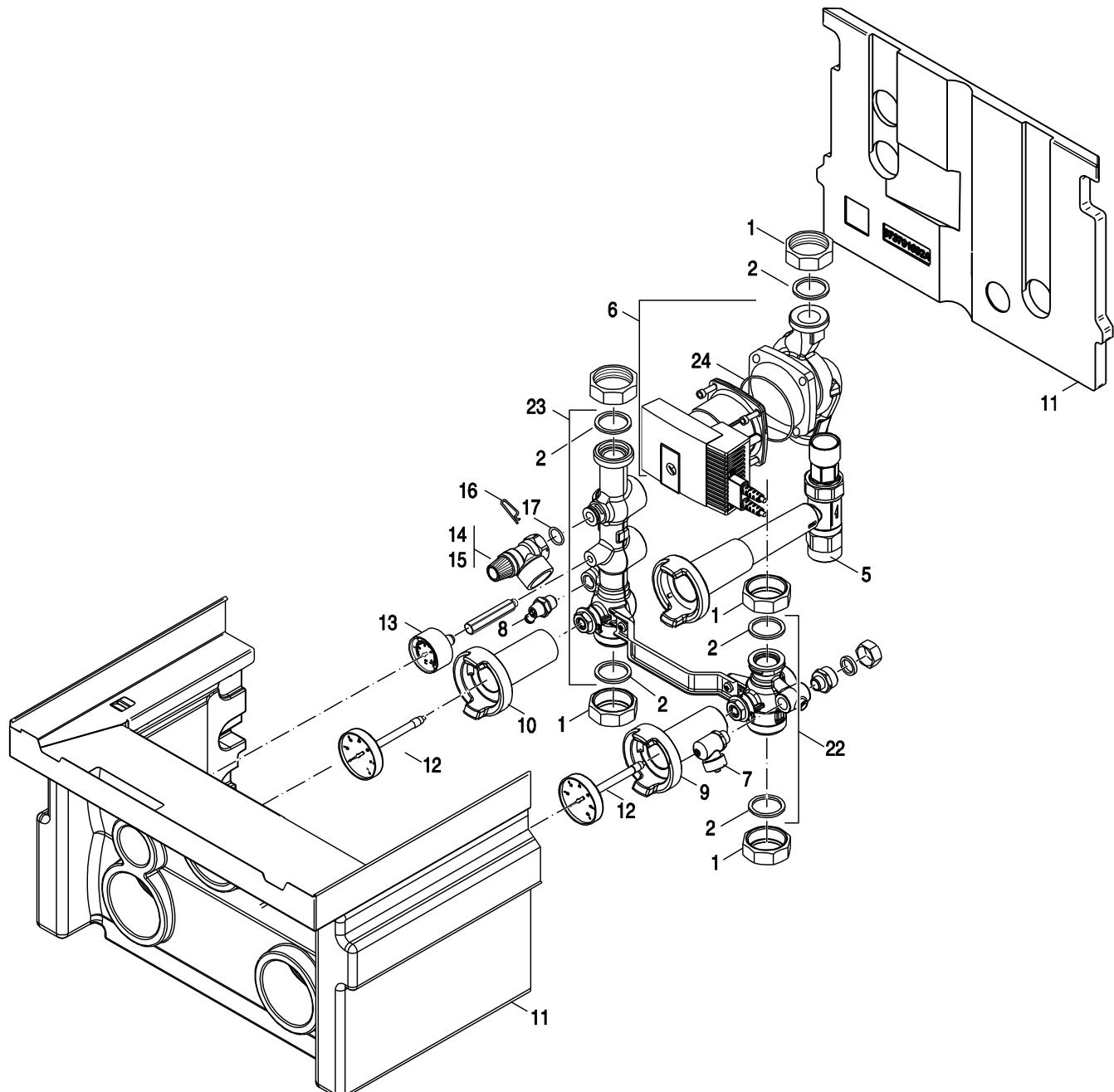


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**6**  
Kabelbaum  
Cabel harness  
Faisceau de câbles  
Cablaggio

ZBR 50-3 | ZBR 70-3 | ZBR 100-3



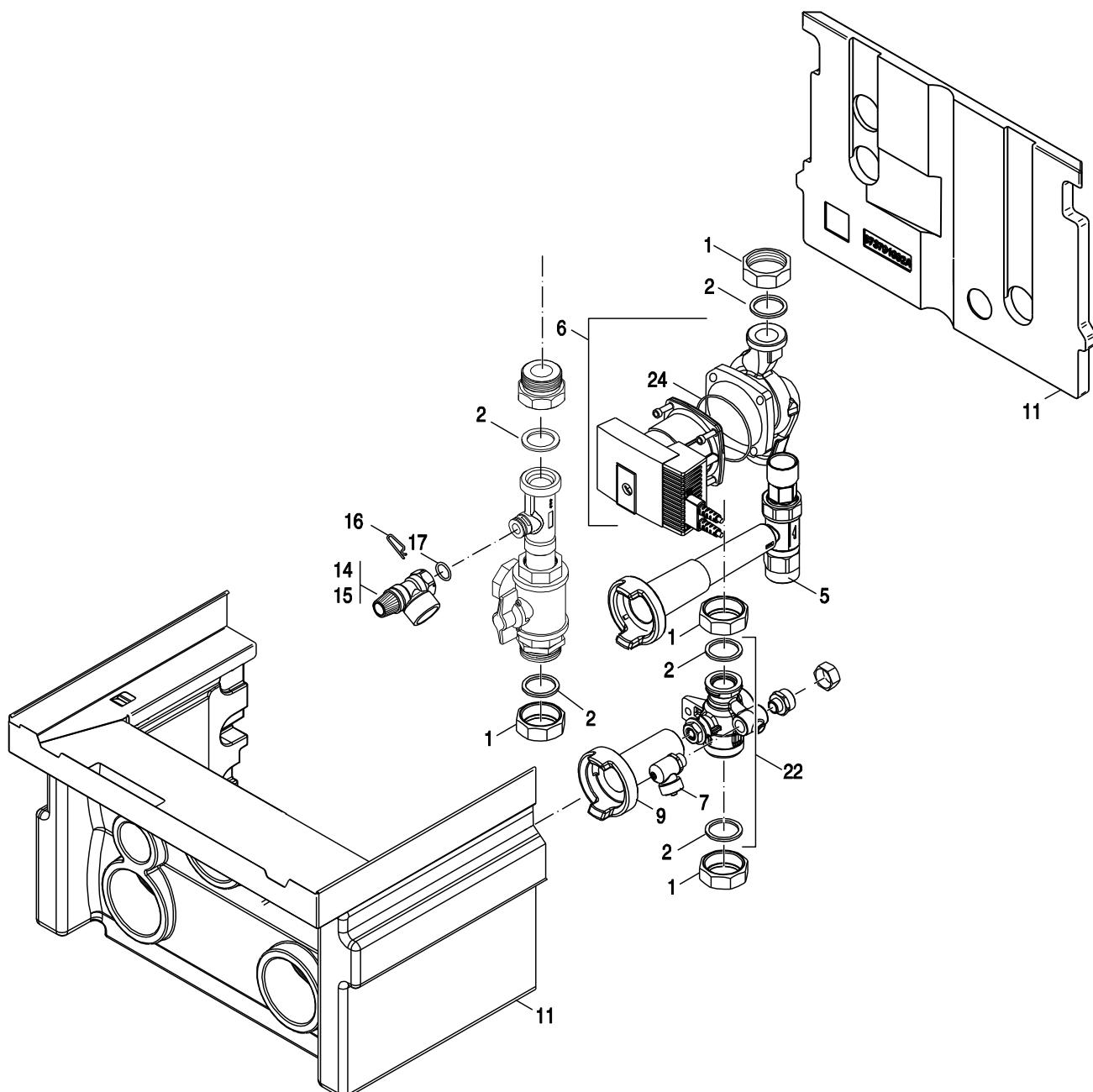


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**8** Anschlussgruppe  
Connection Kit  
Kit de raccordement  
Gruppo di collegamento  
**G**

ZBR 50-3 | ZBR 70-3 | ZBR 100-3





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**8** Anschlussgruppe  
Connection Kit  
Kit de raccordement  
Gruppo di collegamento

**ZBR 50-3 | ZBR 70-3 | ZBR 100-3**



**Übersetzungsliste**  
**List of translations**

**Liste des traductions**  
**Traduzione delle descrizioni**

| Pos       | Description                      | Denomination                           | Descrizione                              |
|-----------|----------------------------------|--|--|
| <b>1</b>  | <b>Element of construction</b>   | <b>Groupe de construction</b>          | <b>Gruppo di costruzione</b>             |
| 1         | Flue-gas adapter 160-110         | Element de raccord chaudiere 160-110   | Raccordo caldaia 160-110                 |
| 1         | Flue-gas adapter 100/150         | Adaptateur chaudière 100/150           | Raccordo caldaia 100/150                 |
| 2         | Cap flue-gas adapter 160-110     | Adaptateur raccord. chaud. 160-110     | Adattatore collegamento caldaia 160-110  |
| 2         | Adapter 100-150                  | Raccord 100-150                        | Adattore 100-150                         |
| 3         | Sealing DN160mm                  | Joint à lèvre DN160                    | Guarn. anello + spig. tenuta DN160       |
| 3         | Shaped seal DN150                | Joint à lèvres DN150                   | Guarn. anello + spig. tenuta DN150       |
| 4         | Shaped seal DN100                | Joint à lèvres DN100                   | Guarn. anello + spig. tenuta DN100       |
| 4         | Shaped seal DN110                | Joint de lèvre DN110                   | Guarn. anello + spig. tenuta DN110       |
| 5         | Shaped seal DN 80                | Joint à lèvres DN 80mm                 | Guarn. ad anello con spigolo tenuta DN8  |
| 6         | Drainplug (2x)                   | Bouchon (2x)                           | Tappo di chiusura (2x)                   |
| 7         | Adapter airinlet                 | Adapt. entrée d'air                    | Adattatore dell'aspirazione dell'aria    |
| 8         | Screw DIN7976-C-St 4,2x8,5 (10x) | Vis de tôle DIN7976-C-St 4,2x8,5 (10x) | Vite autofil. DIN7976-C-St 4,2x8,5 (10x) |
| 10        | Wallmounting                     | Support mural                          | Supporto a parete                        |
| 14        | Transport slide (2x)             | Transport guider (2x)                  | Piedini trasporto (2X)                   |
| 15        | Door                             | Panneau avant                          | Porta                                    |
| 16        | Seal Door                        | Joint                                  | Guarnizione                              |
| 18        | Trim                             | Baguette décorative                    | Listello decorativo                      |
| 19        | Trademark Junkers                | Marquage Junkers                       | Targhetta Junkers                        |
| 21        | Screw M5 (2x)                    | Vis M5 (2x)                            | Vite M5 (2x)                             |
|           | Overpressure Valve Dn160         |  | Valvola Di Sovrapressione Dn160          |
|           | Flue-gas sensor                  | Sonde gaz fumée                        | Sensore                                  |
| <b>2</b>  | <b>Element of construction</b>   | <b>Groupe de construction</b>          | <b>Gruppo di costruzione</b>             |
| 1         | Flue-gas pipe                    | Tuyau des fumées                       | Tubo fumi                                |
| 2         | Shaped seal DN 80                | Joint à lèvres DN 80mm                 | Guarn. ad anello con spigolo tenuta DN8  |
| 3         | Ring condensate collector        | Torique capacité de réserve            | Ring collettore condensa                 |
| 6         | Holder                           | Support                                | Supporto                                 |
| 7         | Condensate collector             | Capacité de réserve                    | Collettore condensa                      |
| 8         | Sealing condensate collector     | Joint syphon                           | Guarnizione collettore condensa          |
| 9         | Fastener (2x)                    | Clips bruleur (2x)                     | Fermo di sicurezza (2x)                  |
| 10        | Seal condensate trap (5x)        | Joint tube syphon (5x)                 | Anello di tenuta del tubo per cond. (5x) |
| 11        | Drain pipe                       | Conduit d'évacuation                   | Tubo di scarico                          |
| 14        | Siphon                           | Sifon                                  | Sifone                                   |
| 15        | Drain pipe                       | Evacuation des condensats              | Deflusso della condensa                  |
| 17        | Condensate drain pipe            | Tuyau évacuation condensat             | Tubo scarico della cond.19x24x627mm Ig   |
| <b>3A</b> | <b>Element of construction</b>   | <b>Groupe de construction</b>          | <b>Gruppo di costruzione</b>             |
| 1         | Gas pipe                         | Gaz tube                               | Tubo gas                                 |
| 3         | Sealing 4x21x30 (5x)             | Joint plat 4x21x30mm (5x)              | Guarnizione piatta 4x21x30 (5x)          |
| 4         | Screw M5x16 (10x)                | Vis M5x16 (10x)                        | Vite M5x16 (10x)                         |
| 5         | Sealing 50mm (5x)                | Joint tuyau d'asp.d'air 50mm (5x)      | Guarnizione 50mm (5x)                    |
| 6         | Venturi 2E                       | Venturi 2E                             | Venturi 2E                               |
| 6         | Venturi 2LL                      | Venturi 2LL                            | Venturi 2LL                              |
| 7         | O-ring (10x)                     | Joint torique (10x)                    | Guarnizione o-ring (10x)                 |
| 8         | Gas valve (50-70kW)              | Bloc gaz (50-70kW)                     | Valvola del gas (50-70kW)                |
| 9         | Elbow fitting                    | Raccord à vis coudé                    | Raccordo filettato ad angolo             |
| 10        | Screw M6x16 Torx (10x)           | Vis M6x16 Torx (10x)                   | Vite M6x16 Torx (10x)                    |
| 11        | Sealing fan/venturi (5x)         | Joint liege (5x)                       | Guarnizione in sughero (5x)              |
| 12        | Screw M4x10 (10x)                | Vis M4x10 (10x)                        | Vite M4x10 (10x)                         |
| 13        | Hose Gas                         | Tuyau gaz                              | Tubo Flessibile Gas                      |
| 14        | Flange                           | Bride                                  | Flangia                                  |
| 16        | Fan (50-70kW)                    | Ventilateur (50-70kW) GB202 62kW       | Ventilatore (50-70kW)                    |
| 17        | Sealing fan                      | Joint ventil                           | Guarnizione ventilatore                  |
| 18        | Burner housing                   | Corps du brûleur                       | Involucro del bruciatore                 |
| 20        | Sealing burner                   | Joint brul                             | Guarnizione bruciatore                   |
| 21        | Screw M5x12 (10x)                | Vis M5x12 (10x)                        | Vite M5x12 (10x)                         |
| 22        | Suction pipe                     | Tuyau des fumées                       | Tubo fumi                                |
| 23        | Burner (50-100 kW)               | Brul gaz (50-100 kW)                   | Bruciatore (50-100 kW)                   |

**Übersetzungsliste**  
**List of translations**

**Liste des traductions**  
**Traduzione delle descrizioni**

| Pos       | Description                       | Denomination                      | Descrizione                         |
|-----------|-----------------------------------|-----------------------------------|-------------------------------------|
| 25        | Seal ring 28,8 x 23,4 x 3mm (10x) | Seal ring 28,8 x 23,4 x 3mm (10x) | Guarnizione 28,8 x 23,4 x 3mm (10x) |
| 26        | Mounting bracket (50-70kW)        | Support de montage (50-70kW)      | Staffa angolare (50-70kW)           |
| 27        | Sealing (5x)                      | Joint bloc gaz venturi (5x)       | Guarnizione (5x)                    |
|           | Conversion Set 3P                 | Transformation gaz 3P             | Kit Di Conversione 3P               |
| <b>3B</b> | <b>Element of construction</b>    | <b>Groupe de construction</b>     | <b>Gruppo di costruzione</b>        |
| 1         | Gas pipe                          | Gaz tube                          | Tubo gas                            |
| 3         | Sealing 4x21x30 (5x)              | Joint plat 4x21x30mm (5x)         | Guarnizione piatta 4x21x30 (5x)     |
| 4         | Screw M5x16 (10x)                 | Vis M5x16 (10x)                   | Vite M5x16 (10x)                    |
| 5         | Sealing                           | Joint pour evacuation d60         | Guarnizione D60                     |
| 6         | Venturi                           | Venturi                           | Venturi                             |
| 7         | Sealing 33x24x3,5 (10x)           | Joint 33x24x3,5 (10x)             | Guarnizione 33x24x3,5 (10x)         |
| 8         | Gas valve E/LL (85-100kW)         | Bloc gaz E/LL (85-100kW)          | Valvola del gas E/LL (85-100kW)     |
| 9         | Elbow fitting                     | Raccord à vis coudé               | Raccordo filettato ad angolo        |
| 10        | Screw M6x16 Torx (10x)            | Vis M6x16 Torx (10x)              | Vite M6x16 Torx (10x)               |
| 11        | O-ring 70x3 (2x)                  | Joint torique 70x3 (2x)           | O-ring 70x3 (2x)                    |
| 13        | Hose gas                          | Tuyau gas                         | Tubo flessibile gas                 |
| 14        | Flange                            | Bride                             | Flangia                             |
| 15        | Nozzle 8.5 E Gas                  | Injecteur 8.5 E Gas               | Ugello 8.5 E Gas                    |
| 15        | Nozzle 9.6 L/LL Gas               | coussinet limiteur 9.6 L/LL Gas   | Ugello 9.6 L/LL Gas                 |
| 16        | Fan (85-100kW)                    | Ventilateur (85-100kw)            | Ventilatore (85-100kW)              |
| 17        | Sealing fan                       | Joint ventil                      | Guarnizione ventilatore             |
| 18        | Burner housing                    | Corps du brûleur                  | Involucro del bruciatore            |
| 19        | O-ring 23,47x2,62                 | Joint torique 23,37x2,62          | O-ring 23,47x2,62                   |
| 20        | Sealing burner                    | Joint brûl                        | Guarnizione bruciatore              |
| 21        | Screw M5x12 (10x)                 | Vis M5x12 (10x)                   | Vite M5x12 (10x)                    |
| 22        | Suction pipe                      | Tuyau d'aspiration du ventilateur | Tubo di aspirazione del ventilatore |
| 23        | Burner (50-100 kW)                | Brûl gaz (50-100 kW)              | Bruciatore (50-100 kW)              |
| 25        | Seal ring 28,8 x 23,4 x 3mm (10x) | Seal ring 28,8 x 23,4 x 3mm (10x) | Guarnizione 28,8 x 23,4 x 3mm (10x) |
| 26        | Mounting bracket (85-100kW)       | Équerre (85-100kW)                | Staffa angolare (85-100kW)          |
|           | Conversion Set 3P                 | kit de transformation 3P          | Kit Di Conversione 3P               |
| <b>4</b>  | <b>Element of construction</b>    | <b>Groupe de construction</b>     | <b>Gruppo di costruzione</b>        |
| 1         | Automatic air vent valve >= 50 kW | Purgeur automatique >= 50 kW      | Disaeratore automatico >= 50 kW     |
| 2         | Clip                              | Clip de maintien 220,054a         | Clip di fissaggio (220.054A)        |
| 3         | Bracket (L+R)                     | Support (G+D)                     | Supporto (L+R)                      |
| 6         | Ignition device 50-100 kW         | Dispositif d'allumage 50-100 kW   | Dispositivo di accensione 50-100 kW |
| 7         | Decoration Trim                   | Barre décorative Junkers          | Listello decorativo (Junkers)       |
| 11        | Heat exchanger 50-100kW           | Echangeur 50-100kW                | Scambiatore di calore 50-100kW      |
| 18        | Safety sensor                     | Sonde ntc complete (611248a)      | Sonda NTC compl. (611 248A)         |
| 19        | Clip                              | Clip de maintien                  | Clip di fissaggio                   |
| 20        | O-ring 9,19x2,62 (10x)            | Joint torique 9,19x2,62 (10x)     | O-ring 9,19x2,62 (10x)              |
| 21        | Disc. pressure sensor 4bar        | Capteur pression clipse 4bar      | Manometro TYPE 505.99023 4bar       |
| 22        | O-ring 9,92x2,62 (10x)            | Joint torique 9,92x2,62 (10x)     | O-ring 9,92x2,62 (10x)              |
| 23        | Supply /Return Pipe               | Arrivée / retour tube             | Tubo Di Adduzione / Di Ritorno      |
| 24        | O-ring 36,09x3,53 (10x)           | Joint torique 36,09x3,53 (10x)    | O-ring 36,09x3,53 (10x)             |
| 25        | Clip                              | Bride (220.040A) V2               | Clip di fissaggio (220.040A) V2     |
| 26        | Seal 58 X 45 X 4 (2X)             | Joint 58 x 45 x 4 (2x)            | Guarnizione 58 x 45 x 4 (2x)        |
| 27        | Connection nipple                 | Raccord                           | Nipplo di collegamento              |
| 39        | O-ring 3,53x29,74 (10x)           | Joint torique 3,53x29,74 (10x)    | O-ring 3,53x29,74 (10x)             |
| 40        | Union nut 1 1/2" (5x)             | Ecrou pour echangeur - (5x)       | Dado per scambiatore di calore (5x) |
| <b>5</b>  | <b>Element of construction</b>    | <b>Groupe de construction</b>     | <b>Gruppo di costruzione</b>        |
| 1         | UBA 3.5                           | UBA 3.5 V5.8D Boost V1.6          | UBA 3.5 V5.8D Boost V1.6            |
| 2         | Trafo UBA 3.5                     | Transformateur uba 3.5            | Trasformatore UBA 3.5               |
| 3         | BC-15 Control                     | BC15                              | BC15                                |
| 4         | BC-15 Cover                       | Carter BC15                       | Involucro BC15                      |
| 8         | Cover electronic box              | Couvercle électronique case       | Copertura di protezione camera      |
| 9         | Lock (10X)                        | Serrure (10X)                     | Chiusura (10X)                      |
| 10        | Bracket IO-mounting plate         | Support de plaque IO montage      | Piastra Di Collegamento             |

**Übersetzungsliste**  
**List of translations**

**Liste des traductions**  
**Traduzione delle descrizioni**

| Pos       | Description                             | Denomination                             | Descrizione                                |
|-----------|---|--|--|
| 11        | Box Module                              | Module Box                               | Contentore Modulo                          |
| 14        | Strain relief (5x)                      | Réducteur de tension (5x)                | Blocca cavo (5x)                           |
| 16        | Powerswitch                             | Interrupteur                             | Interruttore                               |
| 18        | Screw 6.1x14 (10x)                      | Vis Ejot PT K35 (10x)                    | Vite Ejot PT K35 (10x)                     |
| 26        | Fuse 5AF/230V (10x)                     | Fusibile 5AF/230V (10x)                  | Fusibile 5AF/230V (10x)                    |
| 29        | Screw M5X16 (10x)                       | Vis M5 M5x16 (10x)                       | Vite M5x16 (10x)                           |
| 30        | HCM 1336                                | HCM 1336                                 | HCM 1336                                   |
| 30        | HCM 1338                                | HCM 1338                                 | HCM 1338                                   |
| 30        | HCM 1566                                | HCM 1566                                 | HCM 1566                                   |
| 30        | HCM 1568                                | HCM 1568                                 | HCM 1568                                   |
| 30        | HCM 1567                                | HCM 1567                                 | HCM 1567                                   |
| 34        | Connector 3-pole white                  | Borne de connexion 3- pôles blanc        | Morsetto di collegamento 3-bipol. bianco   |
| 35        | Connector 3-pole PS grey                | Borne de connexion 3- pôles ps gris      | Morsetto di collegamento 3-pol.PS grigio   |
| 36        | Connector 3-pole PH green               | Borne de connexion 3- pôles PH vert      | Morsetto di collegamento 3-pol. PH verde   |
| 37        | Connector 3-pole PZ violett             | Connecteur 3 poles violet                | Morsetto di collegamento -pol.PZ violett   |
| 38        | Connect. term. 2-polig red              | Fiche rouge 2 poles                      | Morsetto di collegamento2-bipolare rosso   |
| 39        | Connector 2-pole grey FW                | Borne de connexion 2- pôles gris FW      | Morsetto di collegamento2-bipol. grigio FW |
| 40        | Connecting terminal 2-polig WA maygreen | Fiche verte 2 poles wa                   | Morsetto di collegamento2-bipol WA verde   |
| 41        | Connecting terminal 2- pin blue         | Borne de connexion 2- pol r5 bl          | Morsetto di collegamento 2- bipolare blu   |
| 42        | Connecting terminal 2- pin orange RC    | Borne de connexion 2- pôles orange RC    | Morsetto di collegamento2- bip.arancione   |
| <b>6</b>  | <b>Element of construction</b>          | <b>Groupe de construction</b>            | <b>Gruppo di costruzione</b>               |
| 1         | Cable harness 230V                      | Faisceau de câbles 230V                  | Cablaggio 230V                             |
| 2         | Cable harness - Low voltage 85-100      | Faisceau de câbles -Basse tension 85-100 | Cablaggio - Bassa tensione85-100           |
| 2         | Cable harness - Low voltage 50-70       | Faisceau de câbles - Basse tension 50-70 | Cablaggio - Bassa tensione 50-70           |
| 3         | Power cable                             | Câble de réseau                          | Cavo di rete                               |
| <b>8G</b> | <b>Element of construction</b>          | <b>Groupe de construction</b>            | <b>Gruppo di costruzione</b>               |
| 1         | Union nut 1 1/2" (5x)                   | Ecrou pour echangeur - (5x)              | Dado per scambiatore di calore (5x)        |
| 2         | Sealing 44x32x3 (5x)                    | Joint 44x32x3 (5x)                       | Guarnizione 44x32x3 (5x)                   |
| 5         | Gas throttle                            | Robinet de gaz                           | Rubinetto gas                              |
| 6         | Pump Stratos Para 25/1-8                | Pompe Stratos Para 25/1-8                | Pompa Stratos Para 25/1-8                  |
| 7         | Fill and drain cock                     | VANNE REMPLISSAGE ET VIDANGE             | Rubinetti di carico e scarico              |
| 8         | Air vent valve                          | SOUPAPE PURGE GB162                      | Valvola di sfiato                          |
| 9         | Handle blue for Ball valve              | Poignee bleue HS/HSM                     | Rubin. sfera mand.(ghiera blu)con term.    |
| 10        | Handle red for Ball valve               | Poignee rouge HS/HSM                     | Rub. sfera mand.(ghiera rossa)con term.    |
| 11        | Casing Pump Assembly                    | Habilage pompe monté                     | Rivestimento Gruppo Pampa                  |
| 12        | Thermometer D63 TI100xD9-120°C C        | Thermometre d63 / HSM 120°C              | Termometro D63 TI100xD9-120grad C          |
| 13        | Manometer                               | MANOMETRE D50*G1/4" CASCADE GB162        | Manometro D50xG1/4" x cascata              |
| 14        | Safety valve 3 BAR                      | Groupe de securite 3,0 bar GB162         | Valvola di sicurezza 3,0 bar inser.        |
| 15        | Safety valve 4bar                       | Soupape de securite 4 bars pour GB162    | Valvola di sicurezza 4 bar (721.252A)      |
| 16        | Clip (5x)                               | Epingle avec ressort (5x)                | Molla ad innesto (5x)                      |
| 17        | O-ring 18.72x2.62 (10x)                 | Joint torique 18,72x2,62 (10x)           | Anello di tenuta 18,72x2,62 (10x)          |
| 22        | Connection return single                | Accessoire de raccordement de retour     | Raccordo ritorno                           |
| 23        | Connection supply single                | Accessoire de raccordement de départ     | Raccordo manda                             |
| 24        | O-ring pump                             | Joint torique pompe                      | Guarnizione o-ring pompa                   |
| <b>8H</b> | <b>Element of construction</b>          | <b>Groupe de construction</b>            | <b>Gruppo di costruzione</b>               |
| 1         | Union nut 1 1/2" (5x)                   | Ecrou pour echangeur - (5x)              | Dado per scambiatore di calore (5x)        |
| 2         | Sealing 44x32x3 (5x)                    | Joint 44x32x3 (5x)                       | Guarnizione 44x32x3 (5x)                   |
| 5         | Gas throttle                            | Robinet de gaz                           | Rubinetto gas                              |
| 6         | Pump Stratos Para 25/1-8                | Pompe Stratos Para 25/1-8                | Pompa Stratos Para 25/1-8                  |
| 7         | Fill and drain cock                     | VANNE REMPLISSAGE ET VIDANGE             | Rubinetti di carico e scarico              |
| 9         | Handle blue for Ball valve              | Poignee bleue HS/HSM                     | Rubin. sfera mand.(ghiera blu)con term.    |
| 11        | Casing Pump Assembly                    | Habilage pompe monté                     | Rivestimento Gruppo Pampa                  |
| 14        | Safety valve 3 BAR                      | Groupe de securite 3,0 bar GB162         | Valvola di sicurezza 3,0 bar inser.        |
| 15        | Safety valve 4bar                       | Soupape de securite 4 bars pour GB162    | Valvola di sicurezza 4 bar (721.252A)      |
| 16        | Clip (5x)                               | Epingle avec ressort (5x)                | Molla ad innesto (5x)                      |
| 17        | O-ring 18.72x2.62 (10x)                 | Joint torique 18,72x2,62 (10x)           | Anello di tenuta 18,72x2,62 (10x)          |
| 22        | Connection return single                | Accessoire de raccordement de retour     | Raccordo ritorno                           |









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