



17562.0006.0

**Savio wall-mounted gas boilers  
Spare parts list edition July 2000**



**Savio**<sup>®</sup>  
caldaie

# Savio wall – mounted gas boilers

## Spare parts list

### 1 REPLACEMENT PARTS CATALOGUE

This catalogue includes all the replacement parts required for the maintenance and service of Savio boilers. This edition of the catalogue supersedes all previous editions.

### 2 MODELS AND SPECIFICATIONS

Savio produces a number of boilers to satisfy a wide range of user needs and installation requirements.

All Savio boilers are wall mounted, with instantaneous operation and modulating heat regulation; that is, the amount of heat from gas combustion is automatically varied according to the heat required by the heating system.

Savio boilers differ in four basic characteristics:

#### 2.1 Maximum useful heating power during operation as a building heat source

Three models are available with different maximum useful heating power when used as a building heat source. Each of these models is identified by its own model number:

*Models 20 and 24*

#### 2.2 Mixed-type operation/operation as a building heat source only

Mixed-type boilers are used to heat water for use in a building heating system, and can also heat hot water for domestic use. This type of boiler alternates between the two operating modes, with the "domestic hot water" function taking precedence over the "building heat source" function. These boilers are identified by the letter "M" in their model number.

#### 2.3 Type of gas lighting system

The gas in a boiler can be lit in two different ways:

- By a pilot burner in the combustion chamber; this burner uses a continuously – operating flame to light the main burner.
- The other lighting system used in Savio boilers is automatic electronic ignition. Models with electronic ignition are identified by the letter "E" in their model number, except models "MFS", which are not produced in versions using a pilot burner.

#### 2.4 Fume exhaust method

The fumes in the combustion chamber can be exhausted in one of three different ways:

*A – Natural drafting (by the atmosphere)*

boilers using this system must be connected to an adequately – sized exhaust duct system (chimney), and use air from the installation area for combustion.

*B – Forced exhaust*

boilers using this system are equipped with a fan which forces the fumes through an adequately – sized exhaust duct system. boilers using this system are identified by the letter "F" in their model number, and use air from the installation area for combustion.

*C – Forced exhaust from a sealed combustion chamber*

boilers using this system are equipped with a fan which forces the fumes through an adequately – sized exhaust duct system; however, the combustion chamber is enclosed in a sealed chamber and is isolated from the installation area. boilers using this system are identified by the letter "MFS" in their model number, and do not use air from the installation area for combustion.

### 3 MODEL IDENTIFICATION CODE/SERIAL NUMBER

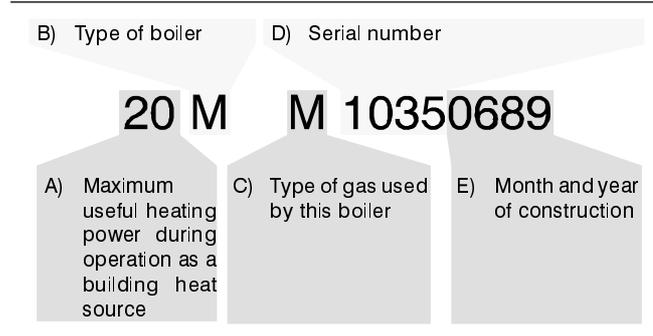
Every boiler produced by Savio carries its own model identification code/serial number.

It is important for the service centre to mention this number when contacting the factory (the number must be listed on guarantee claims and service reports; when making requests for technical information, etc.).

The following is a breakdown of the model identification code/serial number and its meaning (reading from left to right):

- The maximum useful heating power during operation as a building heat source (see 2.1).
- The type of boiler according to its functions (see 2.2, 2.3 and 2.4)
- The type of gas used by this boiler. The letter "M" is used for methane; the letter "G" is used for liquefied petroleum gas (LPG).
- The first four numbers are the actual serial number.
- The last four numbers indicate the month (first two numbers) and the year of construction.

**These numbers are used in this catalogue to distinguish between versions of the same model with different modifications.**



### 4 REPLACEMENT PARTS CODE

Each currently available replacement part is uniquely identified by its own replacement parts code. The replacement parts code consists of a table code and a position code.

#### 4.1 Table code

The table code is a sequence of letters and numbers which uniquely and clearly identify each table. The table code can be found on the upper right of each table (see 4.3).

A validity chart for the table is located at the bottom of the table. This chart lists the models covered by the table.

|     |        |      |  |         |  |
|-----|--------|------|--|---------|--|
| 20M |        | 20MF |  | 20MFS   |  |
|     |        |      |  | 20/1MFS |  |
|     | 24/1ME |      |  | 24/1MFS |  |
|     |        |      |  |         |  |

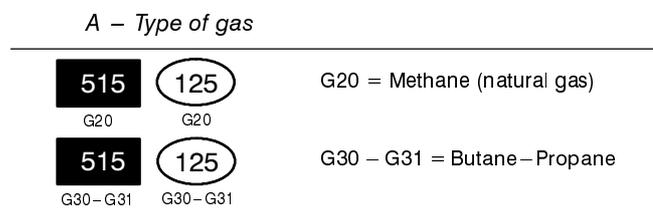
#### 4.2 Position Code

The position code is a number which is used to identify a particular object on the table.

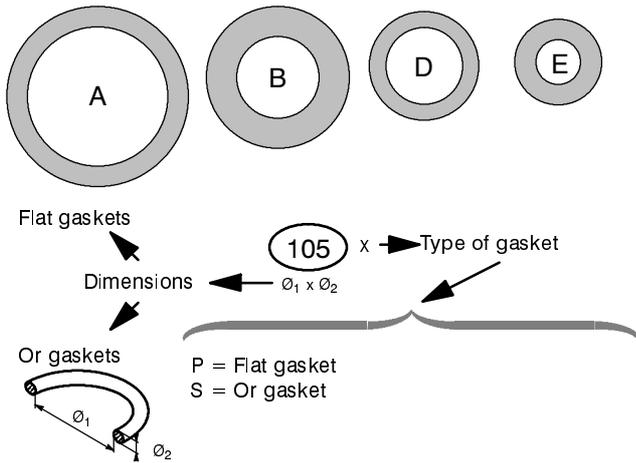
To make identification easier, position codes for kits have a different format from position codes for individual parts.



A label can be found next to the position code. This label is used to provide additional information on the replacement part and makes identification of the part easier:



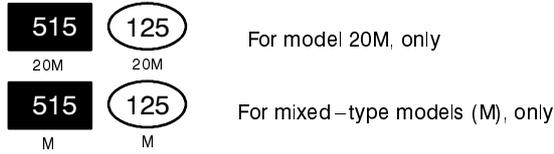
B – Gasket types and dimensions



The dimensions of flat gaskets are indicated by the actual-size representation (A, B, C, D, E) in the figure above.

**ATTENTION**

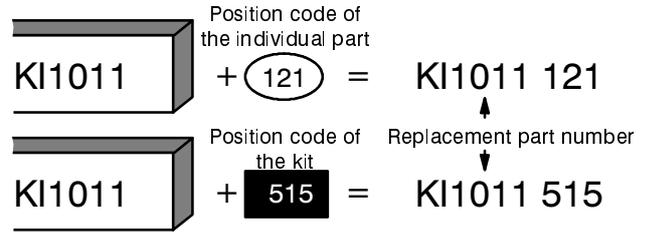
If two or more of the same type of gasket have the same dimensions, the gaskets are identical (even though they have different replacement part codes).



**4.3 Composition of the replacement part code**

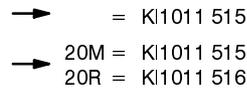
Each replacement part code includes a table identification code and a position code. A position code is only listed for replacement parts which are currently available.

The replacement part code consists of the table code (which can be found on the upper right of the table) plus the position code (in two formats: individual part or kit).



The components of a kit are enclosed in a broken line. A kit may contain other complete kits, or portions of other kits.

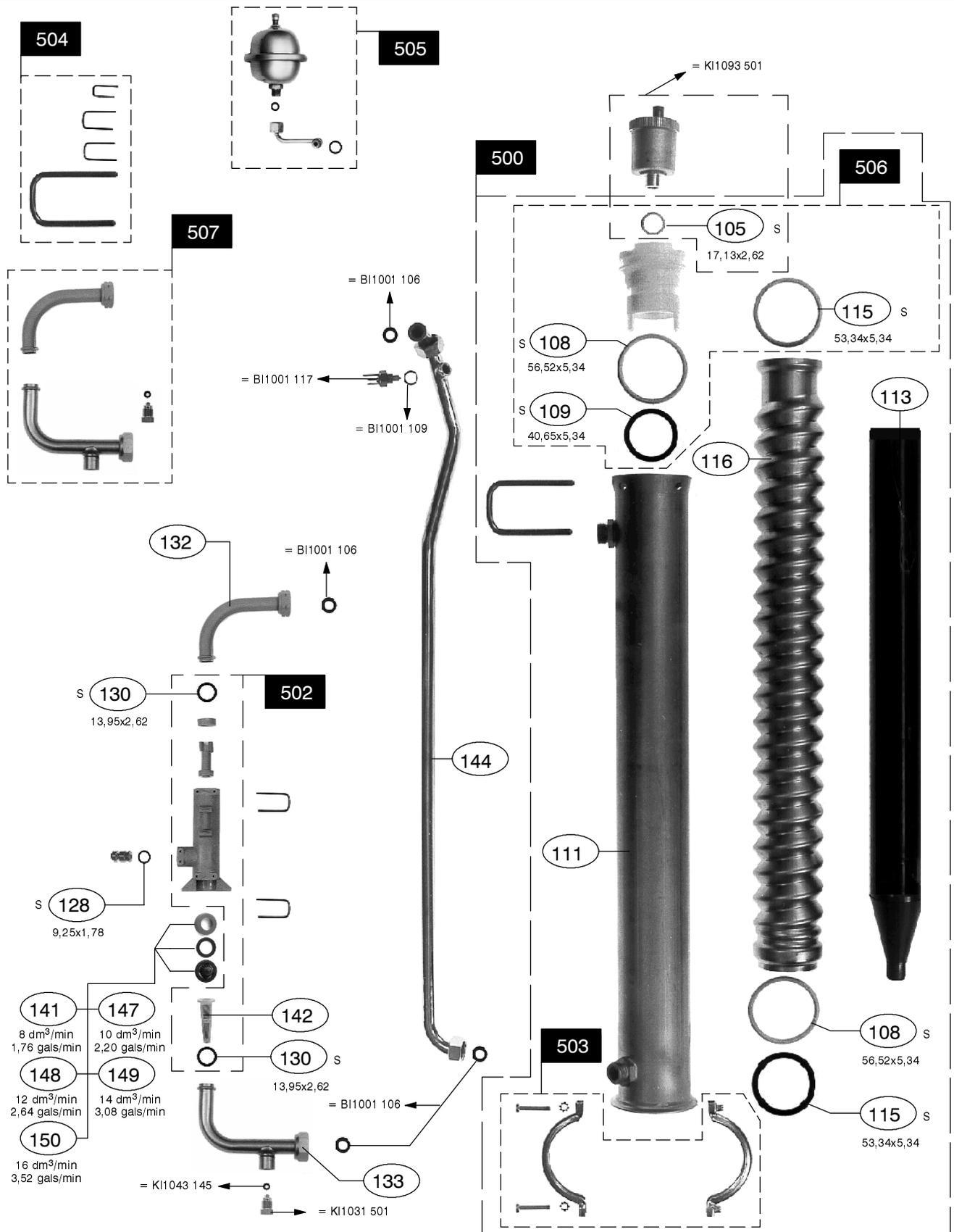
In some tables, a replacement part may be identified with an arrow and a complete replacement part code (table code + position code). This means that the part is available, but must be ordered with the code listed. Also, any explanatory notes must be read before ordering.



**4.4 Using the replacement parts code**

The replacement parts code must be included on all documents which are used in service reports, orders for replacement parts, guarantee claims, etc.



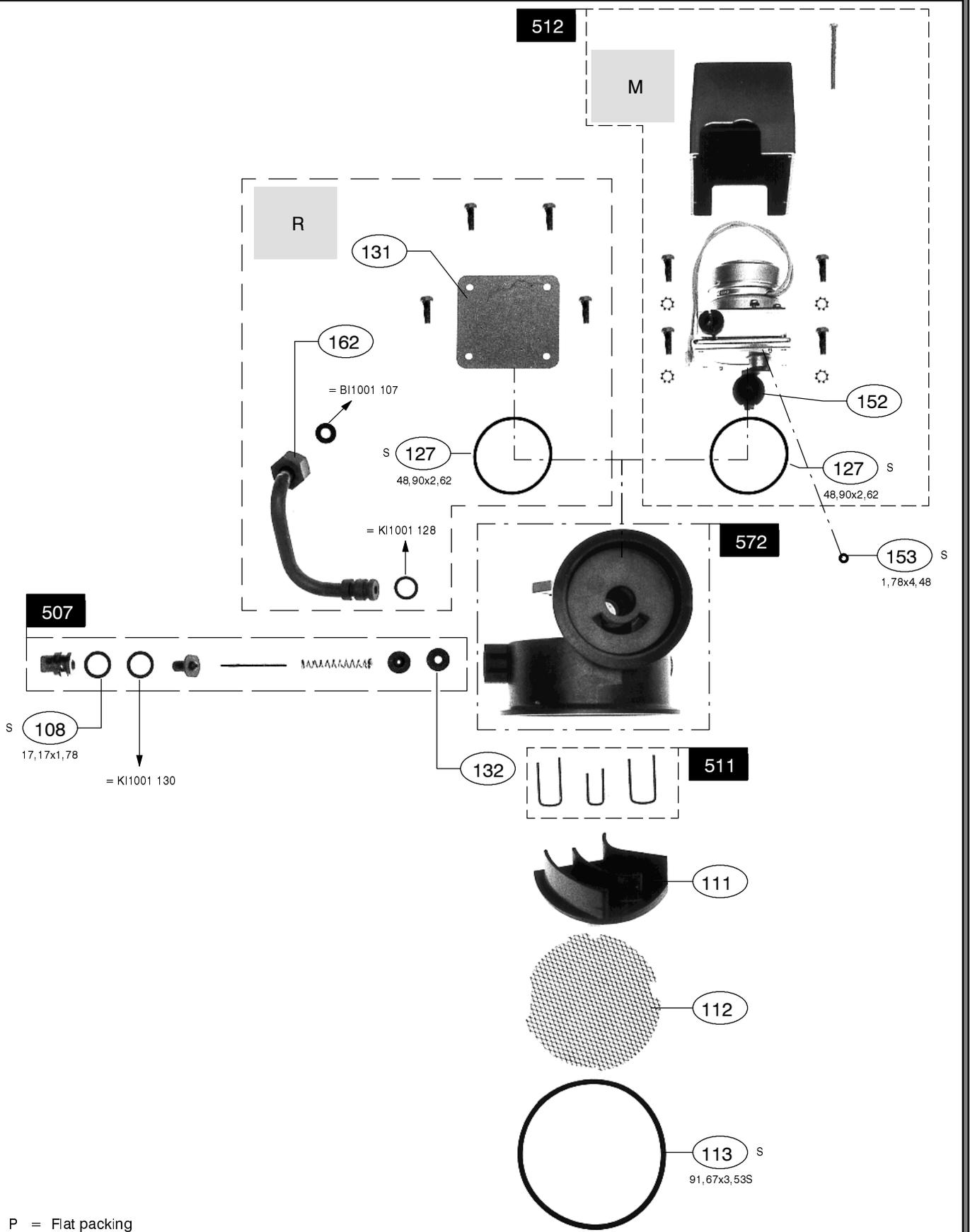


P = Flat packing  
 S = O-Ring packing

|     |        |      |  |         |  |  |  |  |  |
|-----|--------|------|--|---------|--|--|--|--|--|
| 20M |        | 20MF |  | 20MFS   |  |  |  |  |  |
|     |        |      |  |         |  |  |  |  |  |
|     |        |      |  | 20/1MFS |  |  |  |  |  |
|     | 24/1ME |      |  | 24/1MFS |  |  |  |  |  |
|     |        |      |  |         |  |  |  |  |  |



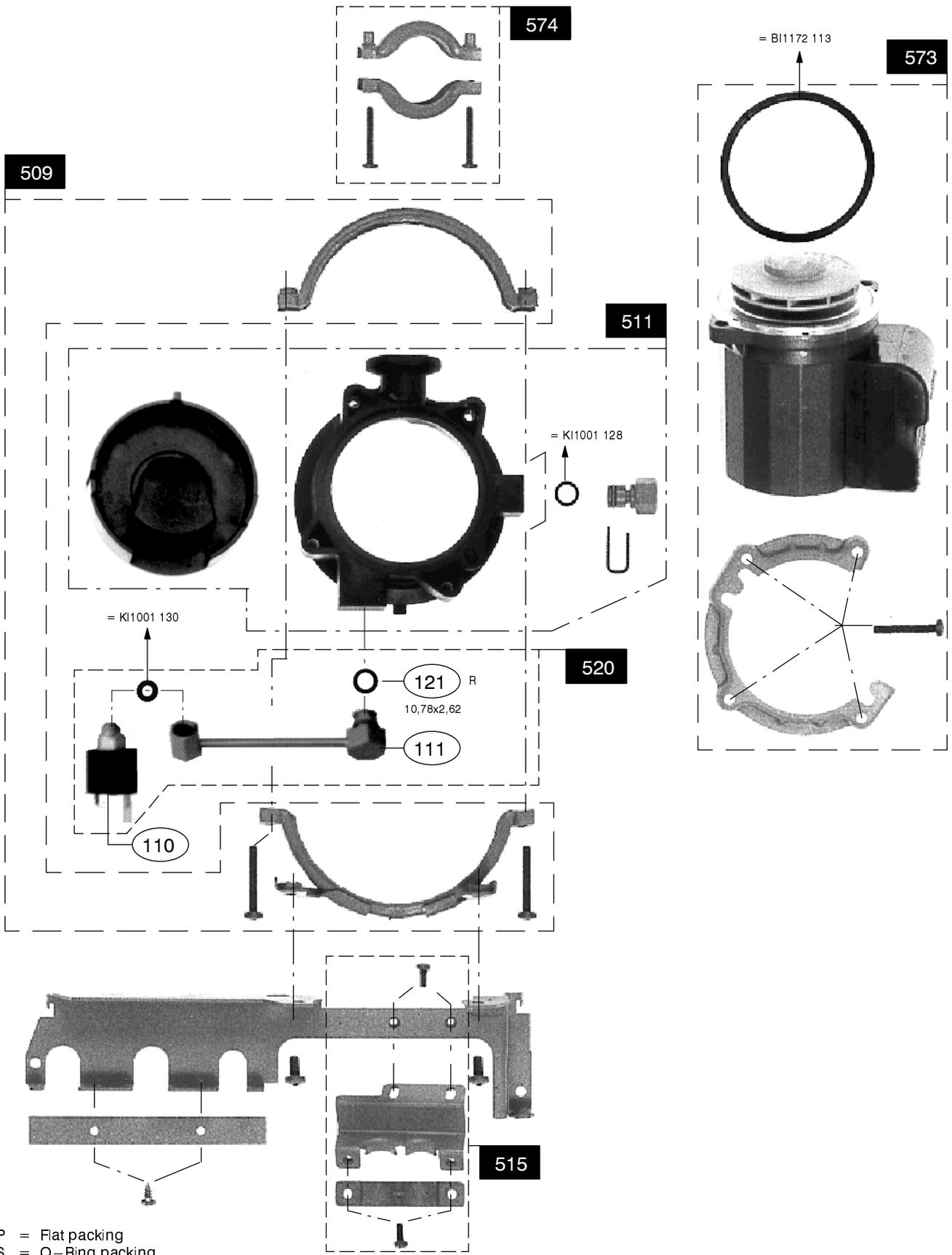




P = Flat packing  
 S = O-Ring packing

|     |        |      |  |         |  |  |  |         |
|-----|--------|------|--|---------|--|--|--|---------|
| 20M |        | 20MF |  | 20MFS   |  |  |  | 20RFS   |
|     |        |      |  |         |  |  |  |         |
|     |        |      |  | 20/1MFS |  |  |  | 20/1RFS |
|     | 24/1ME |      |  | 24/1MFS |  |  |  |         |
|     |        |      |  | 20MFS-A |  |  |  |         |



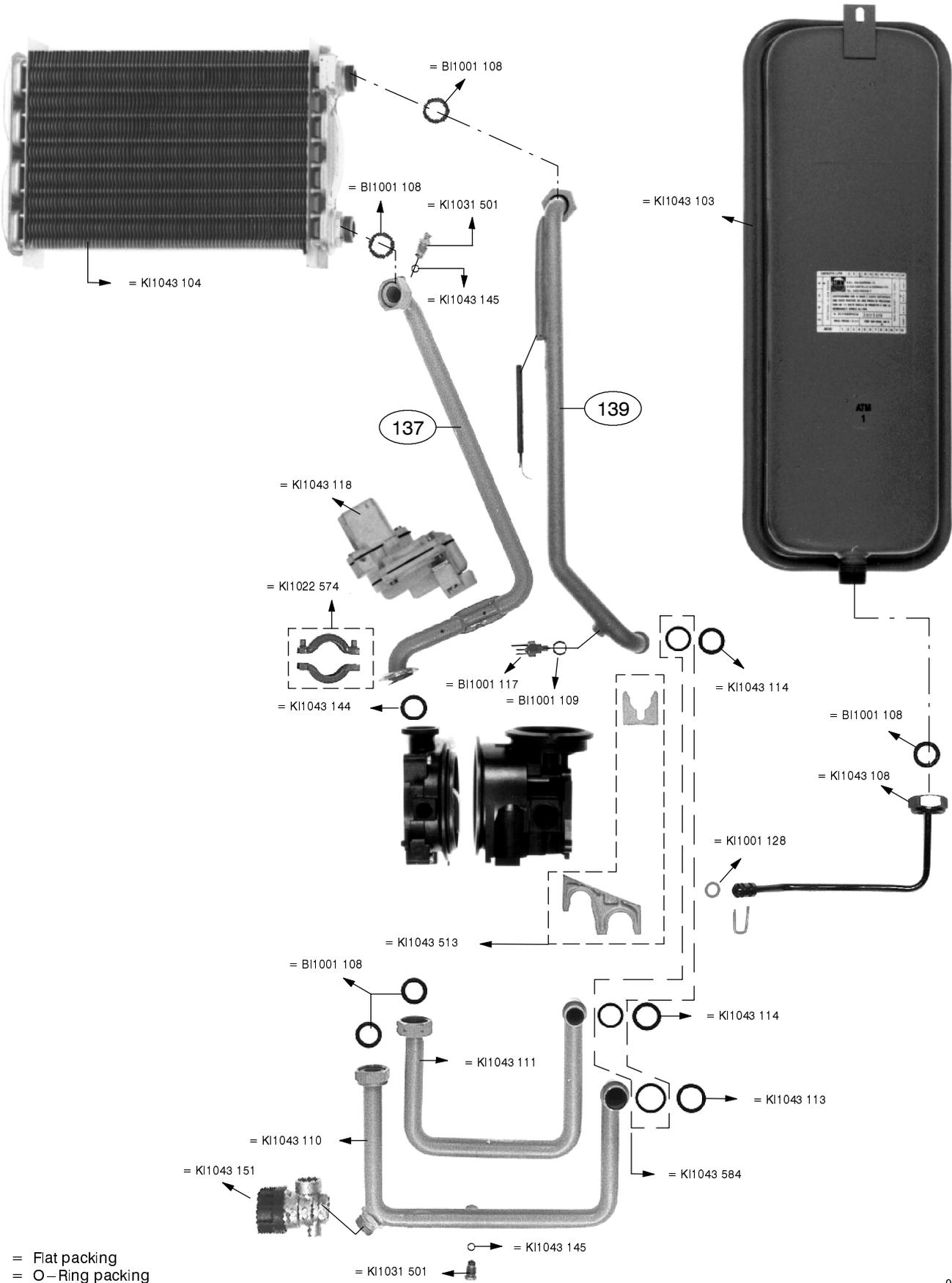


1202

|     |        |      |  |         |  |  |  |         |
|-----|--------|------|--|---------|--|--|--|---------|
| 20M |        | 20MF |  | 20MFS   |  |  |  | 20RFS   |
|     |        |      |  | 20/1MFS |  |  |  | 20/1RFS |
|     | 24/1ME |      |  | 24/1MFS |  |  |  |         |
|     |        |      |  | 20MFS-A |  |  |  |         |







P = Flat packing  
S = O-Ring packing

0700

|  |  |  |         |  |  |  |         |
|--|--|--|---------|--|--|--|---------|
|  |  |  | 20MFS   |  |  |  | 20RFS   |
|  |  |  | 20/1MFS |  |  |  | 20/1RFS |
|  |  |  | 20MFS-A |  |  |  |         |





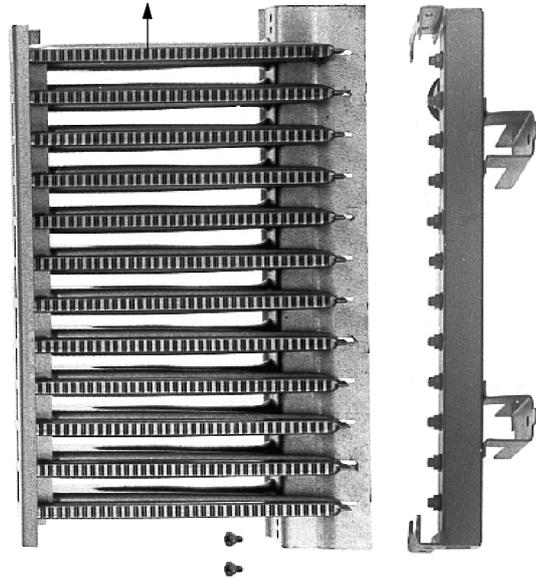
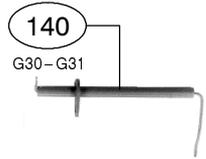
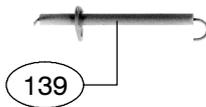




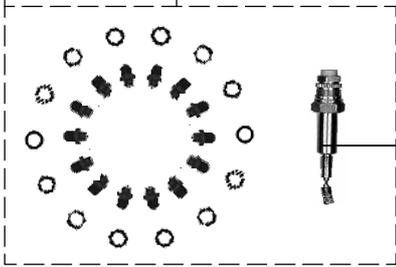
**Valid from:**  
20/1MFS 03 93

**Valid till:**  
24/1ME 03 92

16 20 = KI1004 102  
24 = KI1004 147



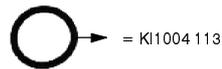
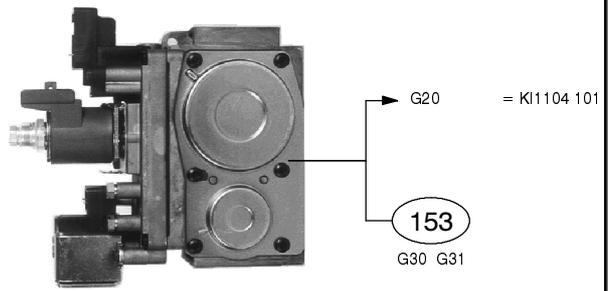
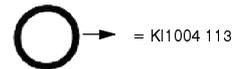
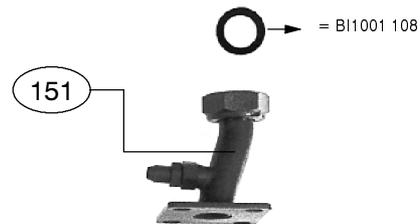
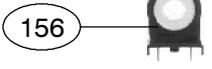
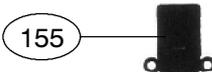
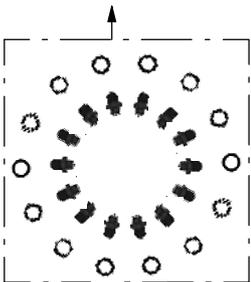
**501** G20  
**502** G30 G31



133  
G30 G31

128  
G20 G110

G20 = KI1064 504  
G30 G31 = KI1064 506



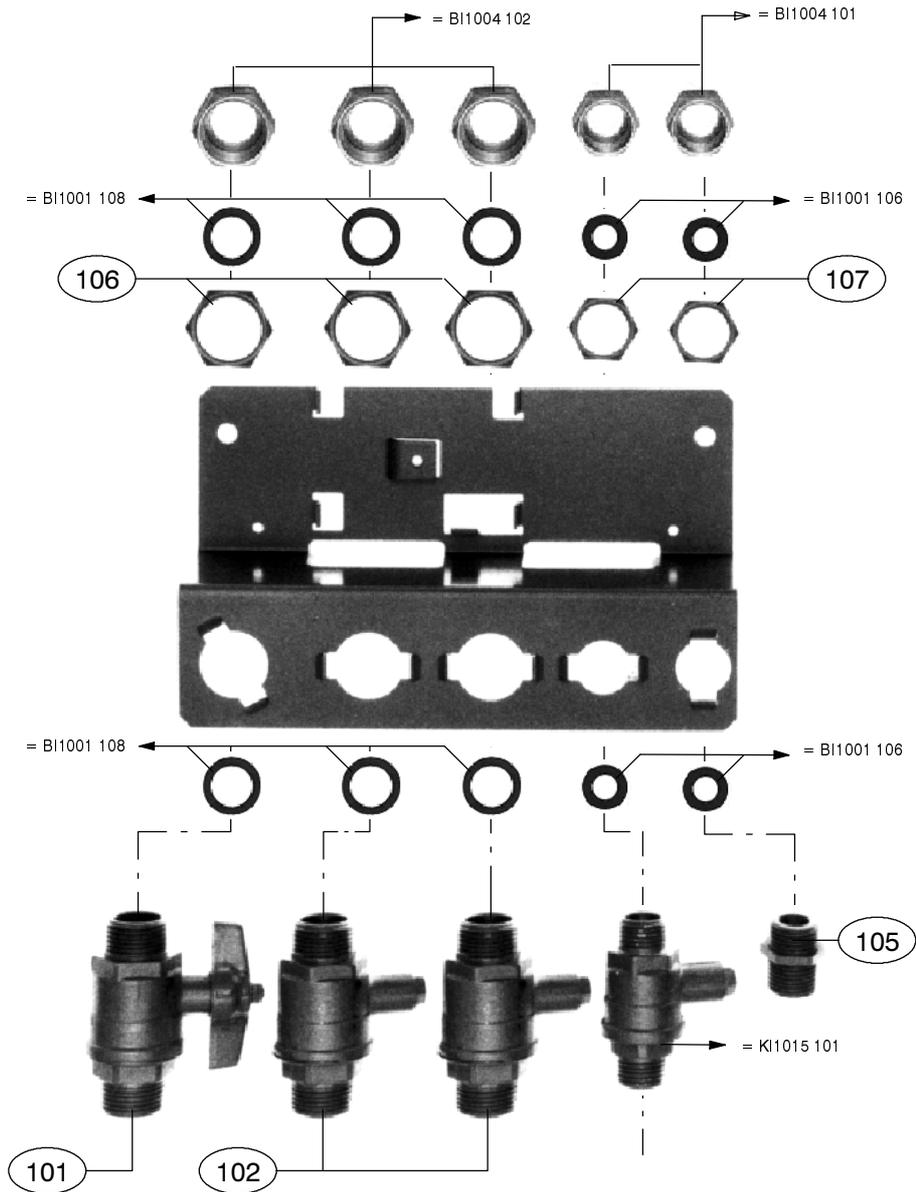
P = Flat packing  
S = O-Ring packing

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|  |        |  |  |         |  |  |  |  |       |
|--|--------|--|--|---------|--|--|--|--|-------|
|  |        |  |  | 20MFS   |  |  |  |  | 20RFS |
|  |        |  |  |         |  |  |  |  |       |
|  |        |  |  |         |  |  |  |  |       |
|  | 24/1ME |  |  | 24/1MFS |  |  |  |  |       |
|  |        |  |  |         |  |  |  |  |       |





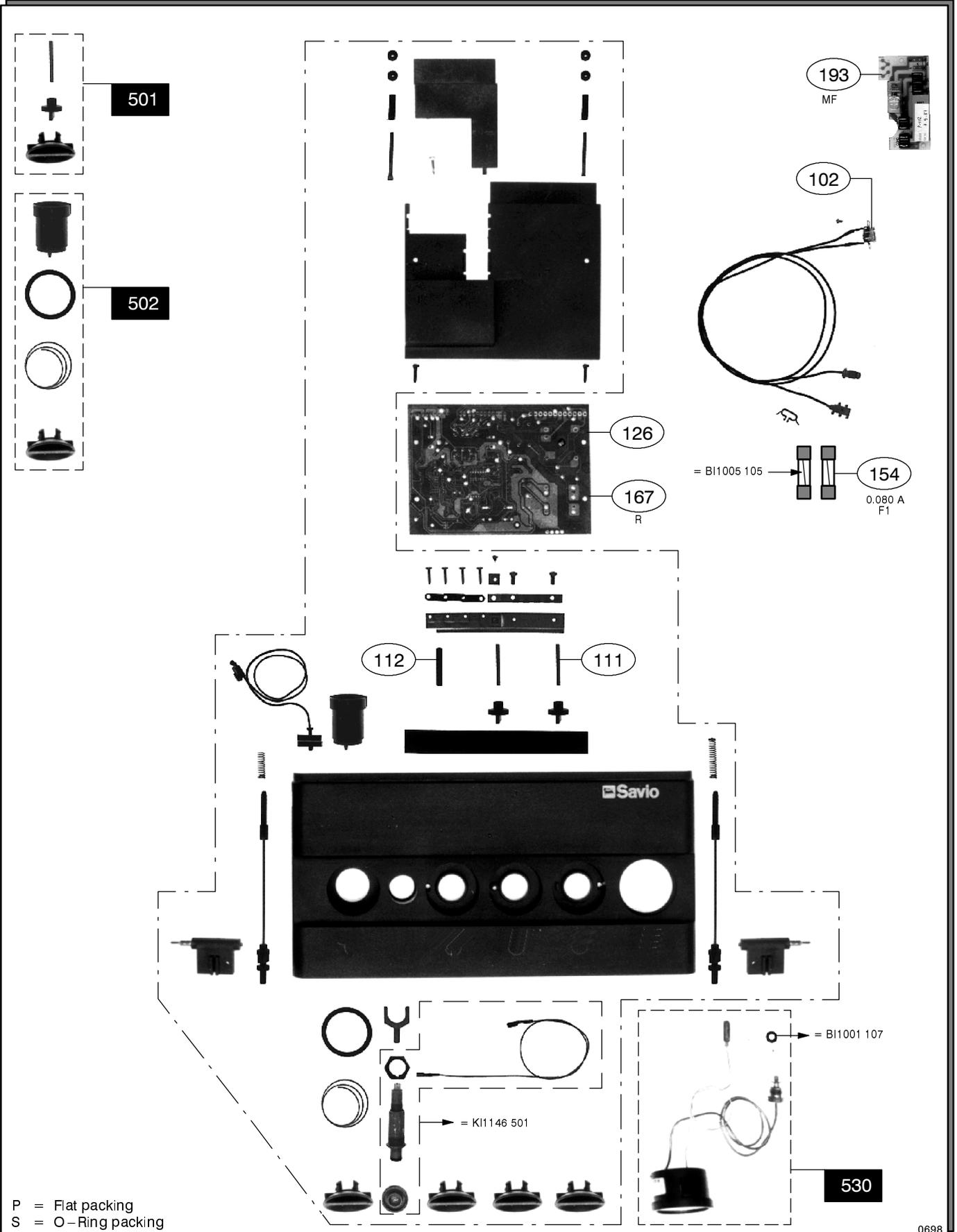


P = Flat packing  
 S = O-Ring packing

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|     |        |      |  |         |  |  |  |         |
|-----|--------|------|--|---------|--|--|--|---------|
| 20M |        | 20MF |  | 20MFS   |  |  |  | 20RFS   |
|     |        |      |  |         |  |  |  |         |
|     |        |      |  | 20/1MFS |  |  |  | 20/1RFS |
|     | 24/1ME |      |  | 24/1MFS |  |  |  |         |
|     |        |      |  |         |  |  |  |         |
|     |        |      |  |         |  |  |  |         |

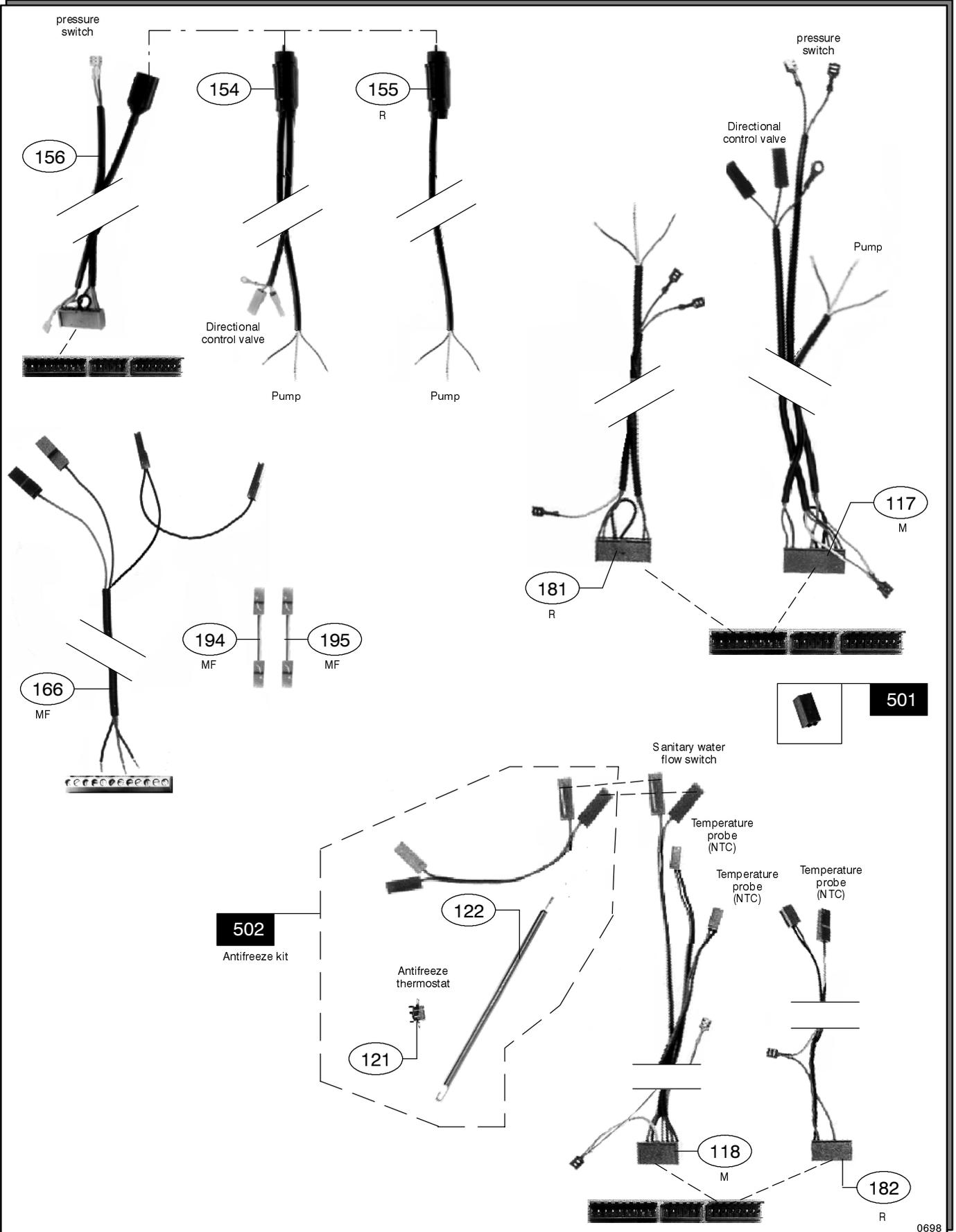




|     |  |      |  |  |  |  |  |  |  |  |
|-----|--|------|--|--|--|--|--|--|--|--|
| 20M |  | 20MF |  |  |  |  |  |  |  |  |
|     |  |      |  |  |  |  |  |  |  |  |
|     |  |      |  |  |  |  |  |  |  |  |
|     |  |      |  |  |  |  |  |  |  |  |
|     |  |      |  |  |  |  |  |  |  |  |
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|     |  |      |  |  |  |  |  |  |  |  |



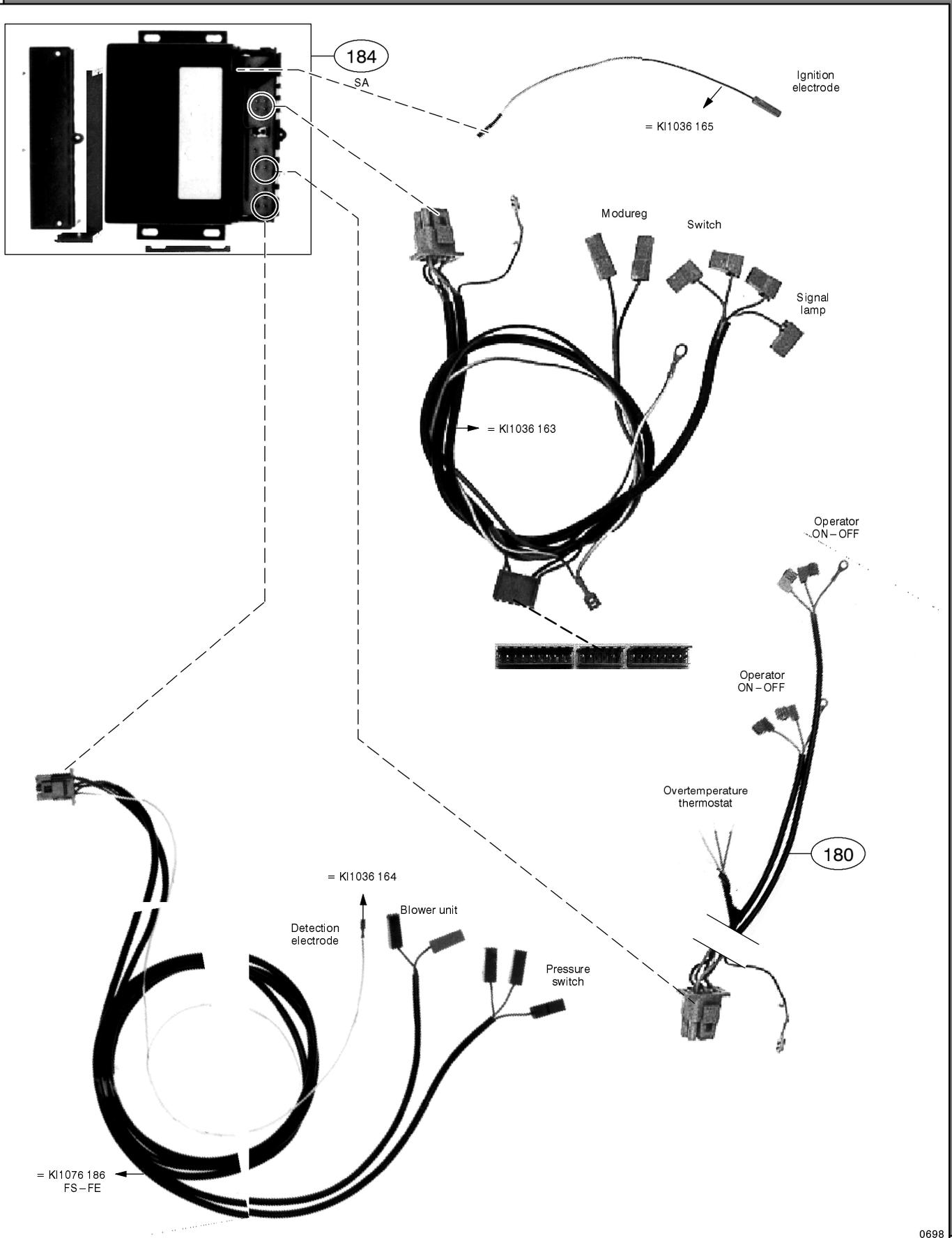




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|     |        |      |         |  |  |  |         |
|-----|--------|------|---------|--|--|--|---------|
| 20M |        | 20MF | 20MFS   |  |  |  | 20RFS   |
|     |        |      |         |  |  |  |         |
|     |        |      | 20/1MFS |  |  |  | 20/1RFS |
|     | 24/1ME |      | 24/1MFS |  |  |  |         |
|     |        |      |         |  |  |  |         |
|     |        |      |         |  |  |  |         |





0698

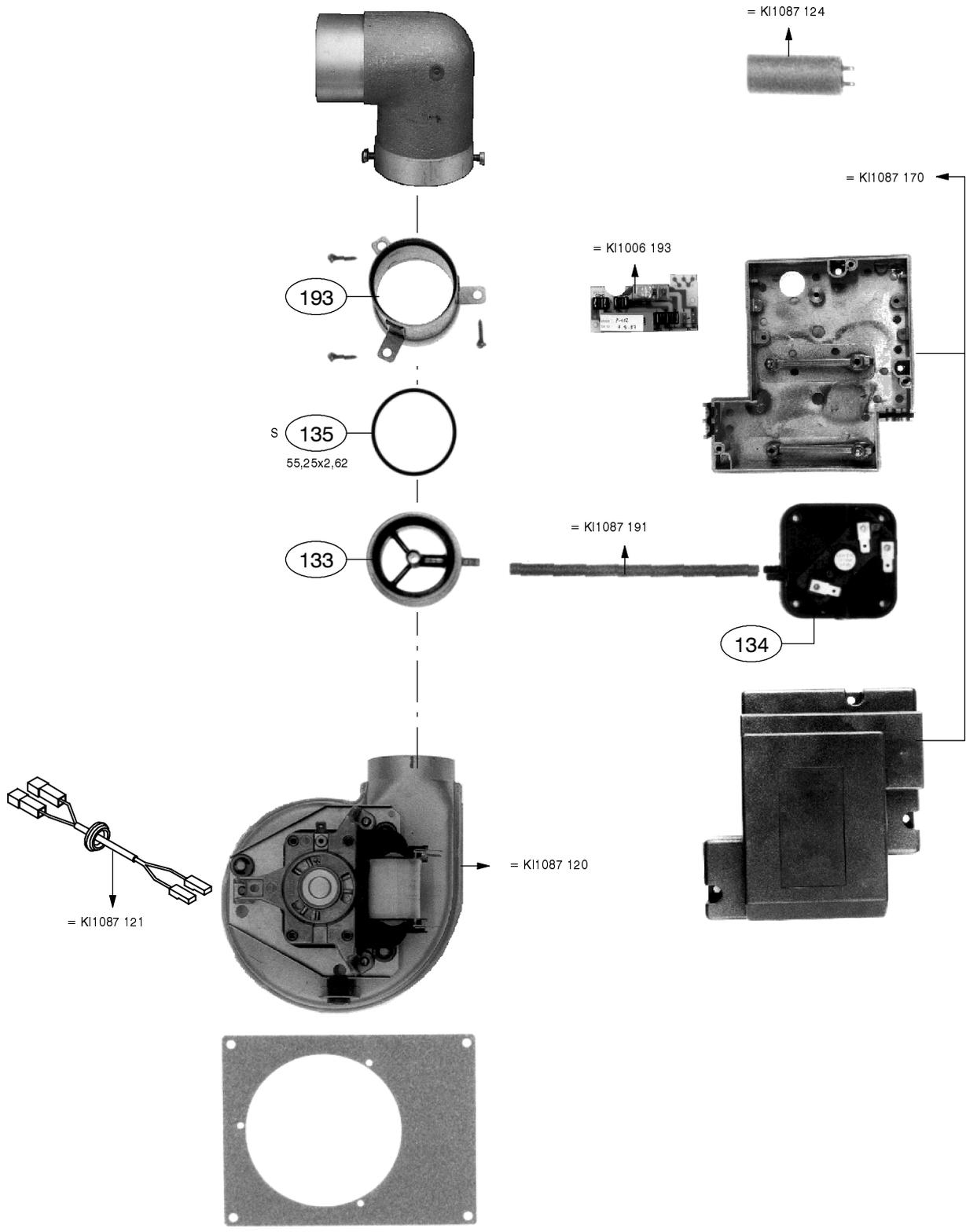
20MFS

20RFS









P = Flat packing  
 S = O-Ring packing

|  |  |      |  |  |  |  |  |  |  |  |
|--|--|------|--|--|--|--|--|--|--|--|
|  |  | 20MF |  |  |  |  |  |  |  |  |
|  |  |      |  |  |  |  |  |  |  |  |
|  |  |      |  |  |  |  |  |  |  |  |
|  |  |      |  |  |  |  |  |  |  |  |
|  |  |      |  |  |  |  |  |  |  |  |
|  |  |      |  |  |  |  |  |  |  |  |
|  |  |      |  |  |  |  |  |  |  |  |
|  |  |      |  |  |  |  |  |  |  |  |



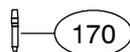








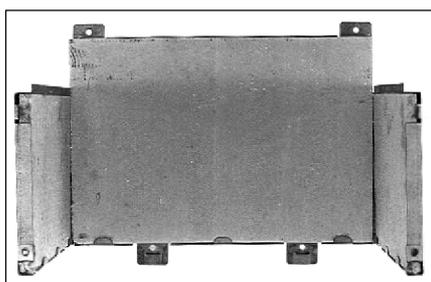




**586**

20  
20/1

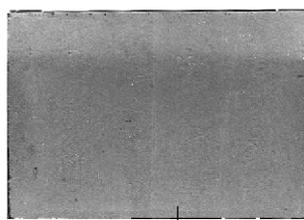
= KI1127 587  
24  
24/1



= KI1097 172  
24  
24/1

110

20  
20/1



103

20  
20/1

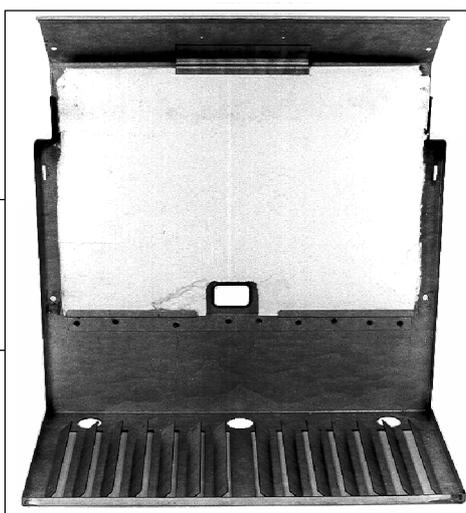
106

20  
20/1

173

20  
20/1

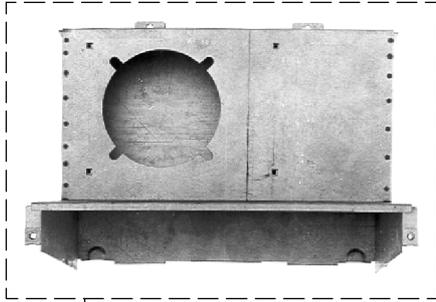
= KI1127 173  
24  
24/1



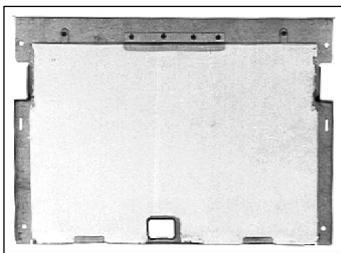
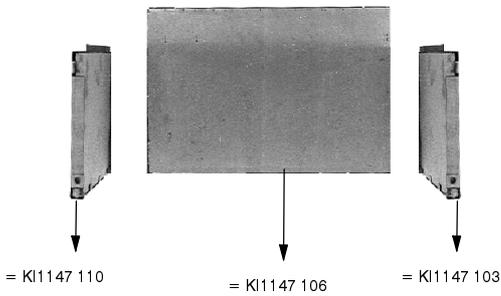
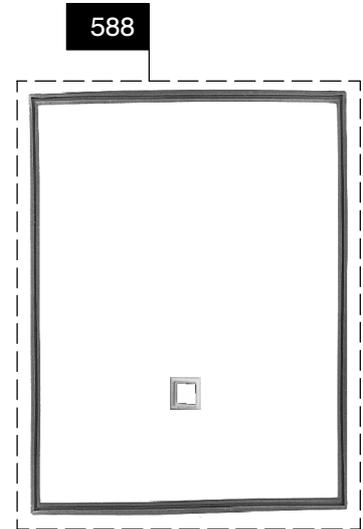
|     |        |  |  |  |  |  |  |  |  |  |
|-----|--------|--|--|--|--|--|--|--|--|--|
| 20M |        |  |  |  |  |  |  |  |  |  |
|     |        |  |  |  |  |  |  |  |  |  |
|     | 24/1ME |  |  |  |  |  |  |  |  |  |
|     |        |  |  |  |  |  |  |  |  |  |



= KI1147 170 



587



173  
MFS RFS

0698

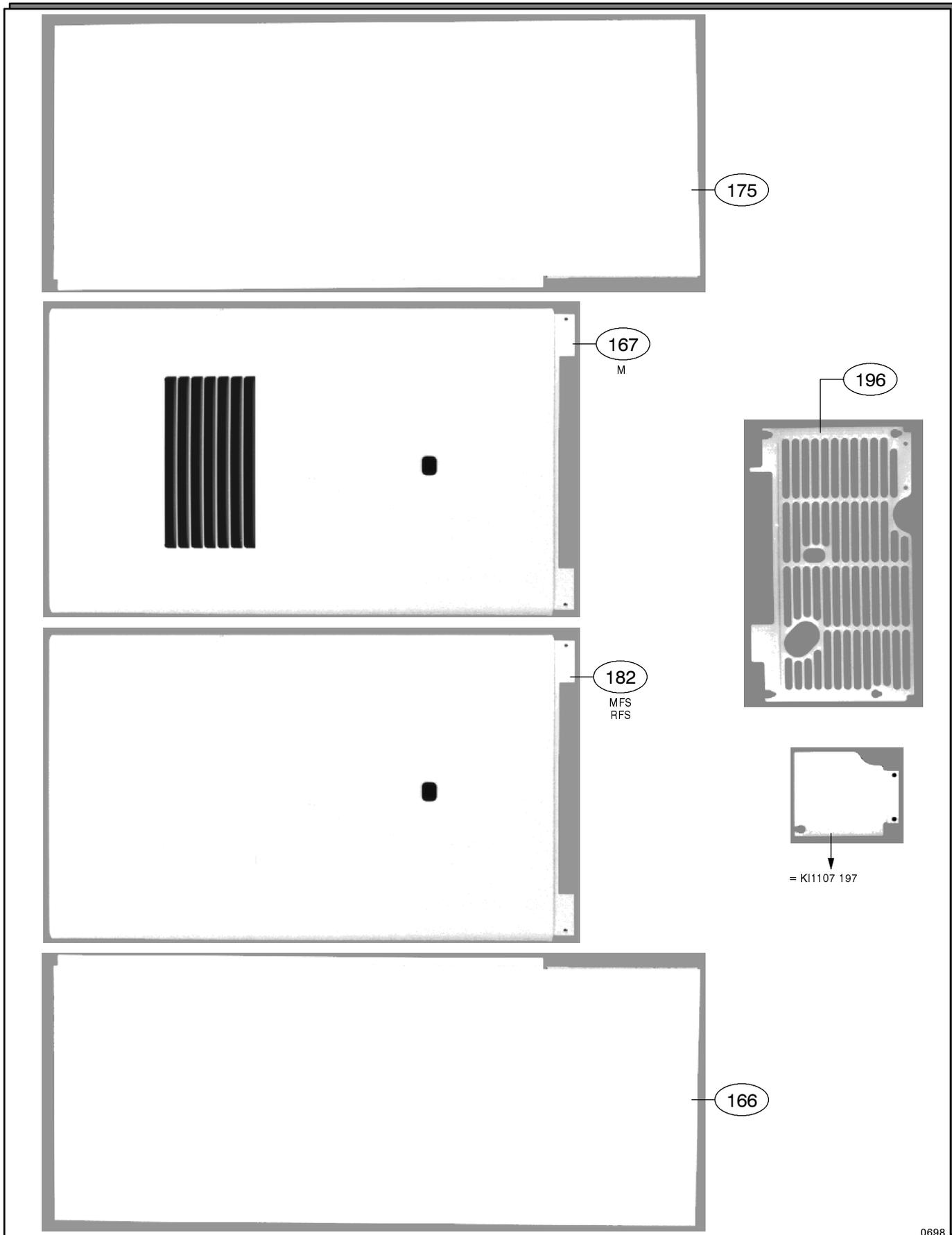
20MFS

20RFS

20/1MFS

20/1RFS

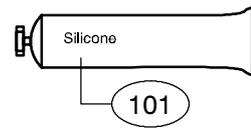




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|     |  |  |  |       |  |  |  |  |       |
|-----|--|--|--|-------|--|--|--|--|-------|
| 20M |  |  |  | 20MFS |  |  |  |  | 20RFS |
|     |  |  |  |       |  |  |  |  |       |
|     |  |  |  |       |  |  |  |  |       |
|     |  |  |  |       |  |  |  |  |       |
|     |  |  |  |       |  |  |  |  |       |
|     |  |  |  |       |  |  |  |  |       |





| 801 O-ring packing set |     |    |   |       |   |      |
|------------------------|-----|----|---|-------|---|------|
| KI1004                 | 113 | 10 | R | 26,50 | x | 3,53 |
| KI1043                 | 113 | 10 | S | 20,22 | x | 3,53 |
| KI1043                 | 114 | 10 | S | 17,04 | x | 3,53 |
| KI1001                 | 108 | 10 | S | 56,52 | x | 5,34 |
| KI1043                 | 145 | 10 | S | 2,90  | x | 1,78 |
| KI1002                 | 119 | 10 | S | 6,07  | x | 1,78 |
| KI1001                 | 128 | 10 | S | 9,25  | x | 1,78 |
| KI1002                 | 121 | 10 | S | 10,78 | x | 2,62 |
| KI1001                 | 130 | 10 | S | 13,95 | x | 2,62 |
| KI1001                 | 105 | 10 | S | 17,12 | x | 2,62 |
| KI1002                 | 127 | 10 | S | 48,90 | x | 2,62 |
| KI1043                 | 144 | 10 | S | 18,64 | x | 3,53 |
| KI1002                 | 113 | 10 | S | 91,67 | x | 3,53 |
| KI1001                 | 109 | 10 | S | 40,65 | x | 5,34 |
| KI1001                 | 115 | 10 | S | 53,54 | x | 5,34 |
| KI1002                 | 108 | 10 | S | 17,17 | x | 1,78 |

| 802 Flat packing set |     |    |   |   |  |  |
|----------------------|-----|----|---|---|--|--|
| BI1001               | 107 | 10 | P | E |  |  |
| BI1001               | 109 | 10 | P | D |  |  |
| BI1001               | 106 | 10 | P | B |  |  |
| BI1001               | 108 | 10 | P | A |  |  |

P = Flat packing  
S = O-Ring packing

0698

|     |        |      |  |         |  |  |  |  |         |
|-----|--------|------|--|---------|--|--|--|--|---------|
| 20M |        | 20MF |  | 20MFS   |  |  |  |  | 20RFS   |
|     |        |      |  |         |  |  |  |  |         |
|     |        |      |  | 20/1MFS |  |  |  |  | 20/1RFS |
|     | 24/1ME |      |  | 24/1MFS |  |  |  |  |         |
|     |        |      |  | 20MFS-A |  |  |  |  |         |



**813 Basic spares**

| <i>Part</i> | <i>Pos. N.</i> | <i>Description</i> |                                |
|-------------|----------------|--------------------|--------------------------------|
| KI1001      | 142            | 2                  | Filter                         |
| BI1001      | 117            | 4                  | Temperature probe              |
| KI1001      | 500            | 1                  | Secondary exchanger kit        |
| KI1093      | 501            | 1                  | Automatic purger kit           |
| KI1001      | 502            | 1                  | Sanitary water flow switch kit |
| KI1001      | 506            | 1                  | Secondary exchanger cap kit    |
| KI1001      | 507            | 1                  | Tube kit                       |
| KI1002      | 507            | 1                  | By-pass kit                    |
| KI1002      | 512            | 1                  | Direction control valve kit    |
| KI1002      | 572            | 1                  | Deviator group kit             |
| KI1022      | 511            | 1                  | Cochlea kit                    |
| KI1022      | 573            | 1                  | Pump kit                       |
| KI1043      | 104            | 1                  | Exchanger                      |
| KI1043      | 118            | 1                  | Pressure switch                |
| KI1043      | 151            | 1                  | Diaphragm safety valve         |
| KI1024      | 139            | 2                  | Electrode                      |
| KI1024      | 140            | 2                  | Electrode                      |
| KI1006      | 126            | 1                  | Electronic circuit board       |
| KI1006      | 154            | 10                 | Fuse                           |
| KI1006      | 155            | 10                 | Fuse                           |
| KI1006      | 530            | 1                  | Thermo-manometer kit           |
| KI1056      | 184            | 1                  | Electronic circuit board SA    |
| KI1066      | 104            | 1                  | Overtemperature thermostat     |
| KI1267      | 103            | 1                  | Pressure switch                |
| KI1901      | 101            | 1                  | Lubricant                      |
| KI1901      | 801            | 1                  | O-Ring packing set             |
| KI1901      | 802            | 1                  | Flat packing set               |

P = Flat packing  
S = O-Ring packing

|     |        |      |  |         |  |  |  |  |         |
|-----|--------|------|--|---------|--|--|--|--|---------|
| 20M |        | 20MF |  | 20MFS   |  |  |  |  | 20RFS   |
|     |        |      |  |         |  |  |  |  |         |
|     |        |      |  | 20/1MFS |  |  |  |  | 20/1RFS |
|     | 24/1ME |      |  | 24/1MFS |  |  |  |  |         |
|     |        |      |  | 20MFS-A |  |  |  |  |         |
|     |        |      |  |         |  |  |  |  |         |
|     |        |      |  |         |  |  |  |  |         |
|     |        |      |  |         |  |  |  |  |         |
|     |        |      |  |         |  |  |  |  |         |
|     |        |      |  |         |  |  |  |  |         |



