

SPARE PARTS EXPLODED VIEW  
GAS WALL BOILERS  
Models

**MICROSYSTEM 21 RI**

**MICROSYSTEM 28 RI**

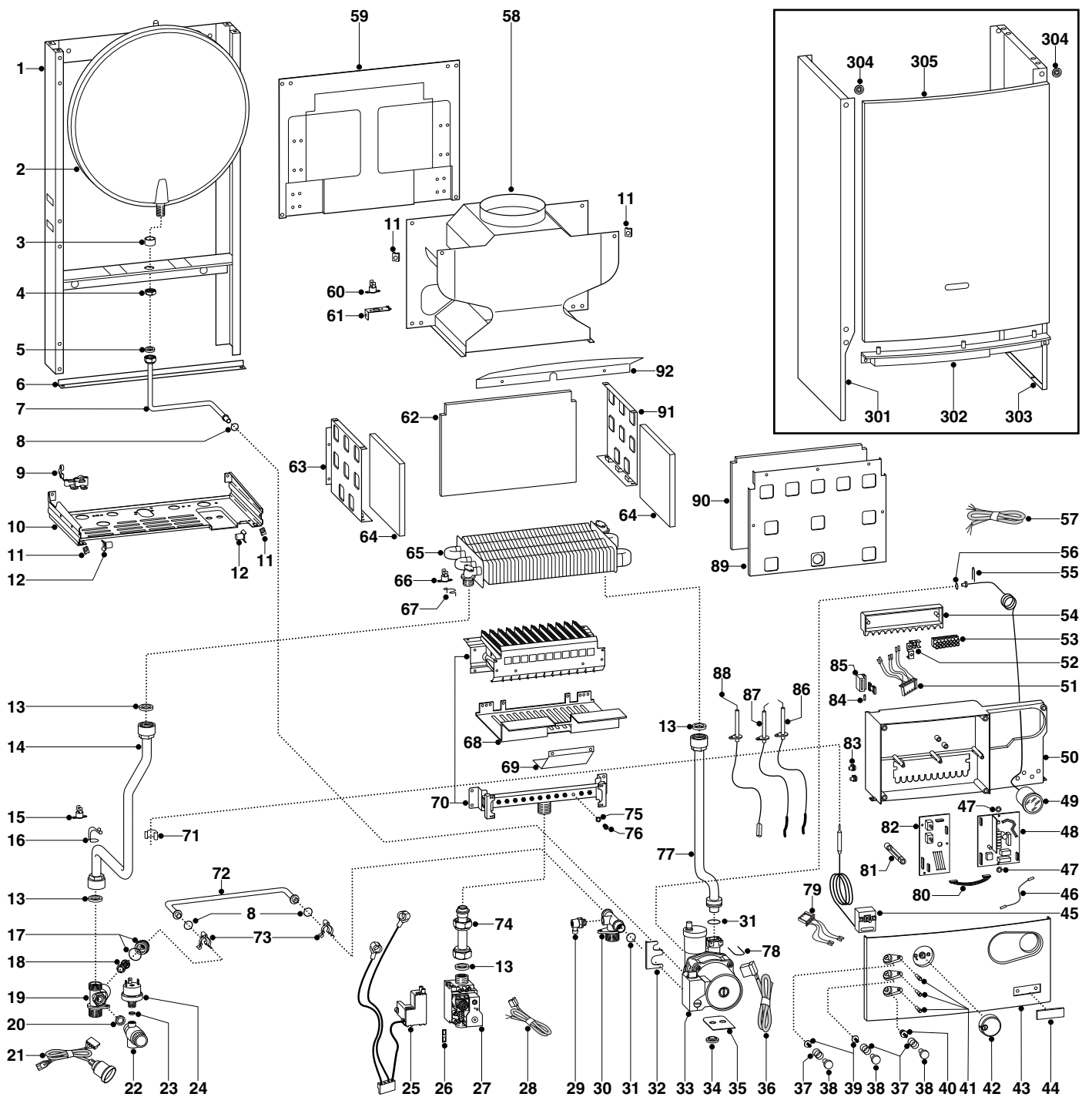
Edition 1 of 8 April 2003

Revision 1 of 9 December 2003



Replaces Edition 1

ER2003210034801011

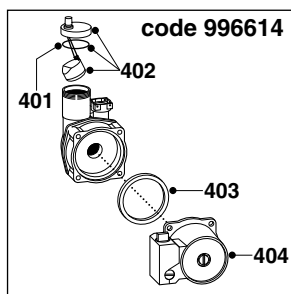


| MODEL                        | CODE   | SERIAL NO.<br>VALIDITY | REF. |
|------------------------------|--------|------------------------|------|
| MICROSYSTEM 21 RI NG ARISTON | 537004 | 2320339000001          | A    |
| MICROSYSTEM 28 RI NG ARISTON | 537008 | 2320339000001          | B    |
| MICROSYSTEM 21 RI NG RADI    | 537012 | 2320339000001          | C    |
| MICROSYSTEM 28 RI NG RADI    | 537016 | 2320339000001          | D    |
| MICROSYSTEM 21 RI NG SIMAT   | 537020 | 2320339000001          | E    |
| MICROSYSTEM 28 RI NG SIMAT   | 537024 | 2320339000001          | F    |

| PART. | CODE     | DESCRIPTION                        | REF. | NOTE |
|-------|----------|------------------------------------|------|------|
| 1     | -----    | Frame                              |      | 11   |
| 2     | 998616   | Expansion vessel                   |      |      |
| 3     | 998776   | Bush (expansion vessel)            |      |      |
| 4     | 998581   | 3/8" lock nut                      |      |      |
| 5     | 573521   | Gasket 3/8" (25 pcs)               |      |      |
| 6     | 65100295 | Frame support                      |      | 21   |
| 7     | 999525   | Pipe (expansion vessel)            |      |      |
| 8     | 998077   | O-ring gasket (20 pcs)             |      |      |
| 9     | 998580   | Cable holder                       |      |      |
| 10    | -----    | Hydraulic group support            |      | 11   |
| 11    | 570717   | Spring (fastening) (5 pcs)         |      |      |
| 12    | 995492   | Pivot                              |      |      |
| 13    | 573520   | Gasket 3/4" (25 pcs)               |      |      |
| 14    | 990710   | Pipe (C.H. flow)                   |      |      |
| 15    | 570760   | Thermostat (anti-frost)            |      |      |
| 16    | 999557   | Fixing spring (thermostat) (5 pcs) |      |      |
| 17    | 996045   | Union by-pass + O-ring             |      |      |
| 18    | 996046   | By-pass                            |      |      |
| 19    | 996049   | Flow group (twin pass)             |      |      |
| 20    | 573528   | Gasket 1/2" (25 pcs)               |      |      |
| 21    | 995407   | Cable (low water pressure switch)  |      |      |
| 22    | 998447   | Safety valve (1/4" 3 Bar)          |      |      |
| 23    | 569390   | Gasket 1/4" (25 pcs)               |      |      |
| 24    | 995903   | Low water pressure switch          |      |      |
| 25    | 65100514 | NAC Substitution kit               |      | 22   |
| 26    | 574279   | Gasket (spark generator) (5 pcs)   |      |      |
| 27    | 999475   | Gas valve (SIT 843 SIGMA)          |      |      |
| 28    | 999988   | Cable (gas valve)                  |      |      |
| 29    | 998809   | Drain valve                        |      |      |
| 30    | 990708   | Return group                       |      |      |
| 31    | 998424   | O-ring (C=4 D=17,04) (10 pcs)      |      |      |
| 32    | 999162   | Pump bracket                       |      |      |
| 33    | 996614   | Kit for rear pump attachment       |      | 23   |
| 34    | 999100   | Lock washer (20 pcs)               |      |      |
| 35    | 995364   | Spacer plate (pump) (20 pcs)       |      |      |
| 36    | 995906   | Cable (pump)                       |      |      |
| 37    | 999603   | Spring (push button)               |      |      |
| 38    | 999469   | Push button                        |      |      |
| 39    | 999442   | Spindle (push button)              |      |      |
| 40    | 999444   | Reset button insert                |      |      |
| 41    | 997714   | L.E.D. (power indicator)           |      |      |
| 42    | 999456   | Control knob                       |      |      |
| 43    | 999459   | Control panel (front)              |      |      |
| 44    | -----    | Name badge                         | CD   | 11   |
| 44    | -----    | Name badge                         | EF   | 11   |
| 44    | -----    | Name badge                         | AB   | 11   |
| 45    | 999577   | Thermostat (regulation)            |      |      |
| 46    | 999547   | Earth cable (P.C.B.)               |      |      |
| 47    | 569711   | Nylon bush (10mm - 20 pcs)         |      |      |
| 48    | 65101254 | P.C.B. (CB3-MI02)                  |      | 24   |
| 49    | 999245   | Pressure gauge                     |      |      |
| 50    | -----    | Control panel                      |      | 11   |
| 51    | 995323   | Cable (P.C.B.-terminal board)      |      |      |
| 52    | -----    | Terminal board                     |      | 11   |
| 53    | 995473   | Terminal board                     |      |      |
| 54    | 995474   | Control panel cover                |      |      |
| 55    | 571548   | U-Clip                             |      |      |
| 56    | 998517   | Gasket (20 pcs)                    |      |      |
| 57    | 995325   | Cable (power supply)               |      |      |
| 58    | 996335   | Flue hood                          | BDF  |      |
| 58    | 996425   | Flue hood                          | ACE  |      |
| 59    | -----    | Panel (combustion chamber rear)    |      | 11   |
| 60    | 999539   | Thermostat (75° - 65°C)            |      |      |
| 61    | 65100207 | Bracket (flue control probe)       |      |      |
| 62    | 996126   | Panel (insulation - rear)          | ACE  |      |
| 62    | 996161   | Panel (insulation - rear)          | BDF  |      |

| PART. | CODE     | DESCRIPTION                              | REF. | NOTE |
|-------|----------|------------------------------------------|------|------|
| 63    | 995893   | Panel (combustion chamber - L.H. side)   | ACE  |      |
| 63    | 995922   | Panel (combustion chamber - L.H. side)   | BDF  |      |
| 64    | 998639   | Panel (insulation - side)                |      |      |
| 65    | 999152   | Main exchanger                           | BDF  |      |
| 65    | 998620   | Main exchanger                           | ACE  |      |
| 66    | 999538   | Overheat thermostat (100° - 80°C)        |      |      |
| 67    | 998583   | Fixing spring (overheat therm.) (5 pcs)  |      |      |
| 68    | 995335   | Protection screen                        | BDF  |      |
| 68    | 999411   | Protection screen                        | ACE  |      |
| 69    | 999435   | Protection screen                        |      |      |
| 70    | 996158   | Burner 12 ramp (N.G.)                    | ACE  |      |
| 70    | 998887   | Burner 14 ramp (natural gas)             | BDF  |      |
| 71    | 571565   | Fixing spring (pressure gauge) (10 pcs)  |      |      |
| 72    | 998589   | By-pass pipe                             |      |      |
| 73    | 998064   | Spring (by-pass pipe) (10 pcs)           |      |      |
| 74    | 65100432 | Gas pipe                                 |      | 25   |
| 75    | 572138   | Burner jet washer (20 pcs)               |      |      |
| 76    | 998434   | Burner jet (L.P.G. 0.77) (10 pcs)        |      |      |
| 76    | 998433   | Burner jet (N.G. 1.30) (10 pcs)          |      |      |
| 77    | 998898   | Pipe (C.H. return)                       |      |      |
| 78    | 997153   | U-clip (20 pcs)                          |      |      |
| 79    | 996107   | Cable (thermostat)                       |      |      |
| 80    | 995324   | Cable (P.C.B.)                           |      |      |
| 81    | 999458   | Lever (P.C.B.)                           |      |      |
| 82    | 999501   | Printed circuit board (CT1)              |      |      |
| 83    | 569720   | Blind grommet                            |      |      |
| 84    | 950030   | Fast fuse 2AT                            |      |      |
| 85    | 572860   | Terminal board (one-pole) + fuse-holder  |      |      |
| 86    | 65100251 | Electrode (Ignition R.H.)                |      | 26   |
| 87    | 65100250 | Electrode (Ignition L.H.)                |      | 27   |
| 88    | 998624   | Electrode (Detection)                    |      |      |
| 89    | 65100555 | Panel (combustion chamber - front)       | ACE  | 28   |
| 89    | 995921   | Panel (combustion chamber - front)       | BDF  |      |
| 90    | 995952   | Panel (insulation - front)               | BDF  |      |
| 90    | 995999   | Panel (insulation - front)               | ACE  |      |
| 91    | 995923   | Panel (combustion chamber - R.H. side)   | BDF  |      |
| 91    | 995892   | Panel (combustion chamber - R.H. side)   | ACE  |      |
| 92    | 995312   | Plate (frontal)                          | BDF  |      |
| 301   | 998695   | Case panel (L.H. side)                   |      |      |
| 302   | 991944   | Front panel crossbar                     |      |      |
| 303   | 998694   | Case panel (R.H. side)                   |      |      |
| 304   | 995305   | Washer (20 pcs)                          |      |      |
| 305   | 998509   | Panel (front case)                       | ACE  |      |
| 305   | 995342   | Panel (front case)                       | BDF  |      |
| 711   | 998716   | Natural gas burner jet full kit (15 pcs) |      | 12   |
| 712   | 998717   | L.P.G. burner jet full kit (15 pcs)      |      | 12   |

| NOTE | DESCRIPTION                                                                       |
|------|-----------------------------------------------------------------------------------|
| 11   | Not supplied as a spare part                                                      |
| 12   | Not illustrated                                                                   |
| 21   | Replaces code 990492 - from serial number: 2320312200001 - production improvement |
| 22   | Replaces codes 990432 and 996109 - unification of replacement parts               |
| 23   | Replaces codes 990854 and 999085 - unification of replacement parts               |
| 24   | Replaces code 999498 - unification of replacement parts                           |
| 25   | Replaces code 998729 - from serial number: 2320312500001 - production improvement |
| 26   | Replaces code 998623 - from serial number: 2320327000001 - production improvement |
| 27   | Replaces code 998622 - from serial number: 2320327000001 - production improvement |
| 28   | Replaces code 996134 - unification of replacement parts                           |



| PART. | CODE   | DESCRIPTION            | REF. | NOTE |
|-------|--------|------------------------|------|------|
| 401   | 998644 | O-ring (pump) (10 pcs) |      |      |
| 402   | 998643 | Auto Air Vent          |      |      |
| 403   | 998738 | Gasket (pump head)     |      |      |
| 404   | 996615 | Kit (motor pump)       |      |      |