## 15.5 Exploded view and spare parts list (right hand version shown)

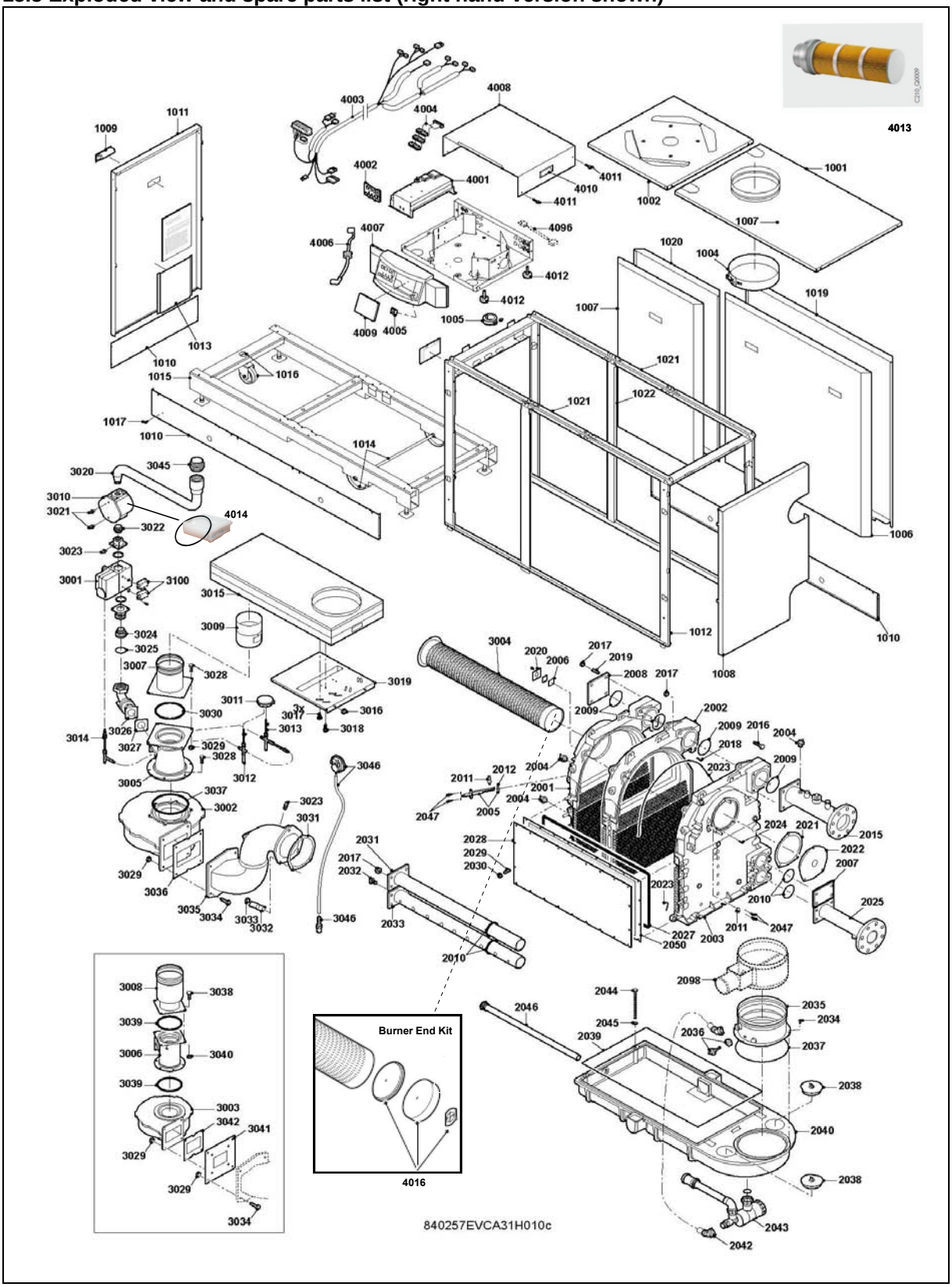


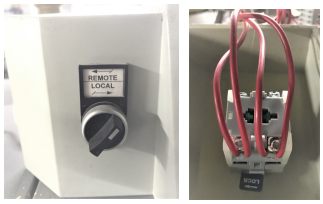
Fig. 39 Exploded view

| Part # | Description | Item # |
|---|---|---|
| | **boiler casing/frame** | |
| S100410 | Casing top panel 5 sections | 1001 |
| S100410 | Casing top panel 6 sections | 1001 |
| S100411 | Casing top panel 7 sections | 1001 |
| S100412 | Casing top panel 8 sections | 1001 |
| S100413 | Casing top panel 9 sections | 1001 |
| S100414 | Casing top switch instrument end | 1002 |
| 58816 | Clamp band 260mmØ | 1004 |
| 58042 | Bracket 2" | 1005 |
| S100415 | Front and rear casing panel 5 or 6 sections | 1006 |
| S100416 | Front and rear casing panel 7,8 and 9 sections | 1006 |
| S100417 | Front and rear casing panel (grey) | 1007 |
| S100418 | End casing panel right hand connections | 1008 |
| S100419 | Casing panel handle | 1009 |
| S100420 | Set casing plinths 5 and 6 sections | 1010 |
| S10042 1 | Set casing plinths 7,8 and 9 sections | 1010 |
| S100422 | End casing panel | 1011 |
| S100423 | Set casing corner posts (set of 4) | 1012 |
| 49427 | Documentation holder A4 | 1013 |
| 57800 | Main wheels with axle | 1014 |
| 54565 | Base frame 5 and 6 sections | 1015 |
| 54568 | Base Frame 7,8 and 9 sections | 1015 |
| 58606 | Caster wheel (steering) | 1016 |
| S14254 | Sheet -metal screw 4 , 2x9, 5 (20 pc's.) | 1017 |
| S100424 | Front and rear casing panel 5 and 6 secs. | 1019 |
| S100425 | Front & rear casing panel 7,8 & 9 sections (red) | 1019 |
| S100426 | Front and rear casing panel | 1020 |
| S100427 | Casing support 5 & 6 sec. | 1021 |
| S100428 | Casing support 7, 8, 9 sec. | 1021 |
| S100429 | Casing support central | 1022 |
| | **Boiler heat exchanger** | |
| S101536 | Section left hand end S57700 | 2001 |
| S101537 | Section intermediate S57699 | 2002 |
| S101535 | Section Right hand end S57701 | 2003 |
| S44698 | Temp. sensor; return, block flow NTC 12K/007 | 2004 |
| S54583 | Electrode ignition/ionization | 2005 |
| S45004 | Glass inspection c/w gasket & 2 screws | 2006 |
| S100430 | Flange blank return | 2007 |
| S100431 | Flange blank flow | 2008 |
| 54525 | O-ring Ø 107 x 5mm | 2009 |
| 54526 | O- ring 81,92 x 5,33 | 2010 |
| 54584 | Cover plate | 2011 |
| 54563 | Gasket for electrode ignition/ionization | 2012 |
| S100433 | Supply pipe | 2015 |
| 183 | Bolt M12 X40mm | 2016 |
| 42859 | Nut flange M12 | 2017 |
| 62346 | Dowel Ø12 x 20 | 2018 |
| 54527 | Stud M12 | 2019 |
| S54822 | Mounting frame ( for Inspection glass) | 2020 |
| 54528 | Gasket for cover plate/burner | 2021 |
| S54585 | Cover plate for burner hole | 2022 |
| 25696 | Silicone sealant rtv 106 | 2023 |
| 58462 | Dowel burner | 2024 |
| S100434 | Return pipe | 2025 |
| 30629 | Sealing silicone red 7 mm (per meter) | 2027 |

| Part # | Description | Item # |
|---|---|---|
| | **Premix burner** | |
| S100441 | Valve gas multi block 5 sections | 3001 |
| S100442 | Valve gas multi block 6 sections | 3001 |
| S100443 | Valve gas multi block 7-8-9 sections | 3001 |
| S100444 | Fan 5 -6 sections | 3002 |
| S100445 | Fan 7 -8-9 sections | 3003 |
| S100348 | Burner for 6 sections | 3004 |
| S100347 | Burner 5 sections | 3004 |
| S100331 | Burner 9 sections | 3004 |
| S100329 | Burner 7 sections | 3004 |
| S100330 | Burner 8 sections | 3004 |
| S57793 | Venturi assembly 7-8-9 sections | 3005 |
| S57791 | Venturi assembly 5 sections | 3006 |
| S57792 | Venturi assembly 6 sections | 3006 |
| S57712 | Venturi connecting piece Ø 130 mm model 7-8-9 | 3007 |
| S57713 | Venturi connecting piece Ø 100 mm model 5-6 | 3008 |
| S57717 | Air intake damper Ø130 mm with o-rings all models | 3009 |
| S100487 | Gas filter Dungs 1½" | 3010 |
| S58602 | Air-pressure differential sensor - Huba 4030(black) | 3011 |
| S59202 | Tube gas test point | 3012 |
| S59203 | Tube air pressure test point | 3013 |
| S59204 | Tube pressure compensation test point | 3014 |
| S59738 | Air box 7, 8 and 9 sections | 3015 |
| S44483 | Nut M 8 (10 pc's.) | 3016 |
| S14254 | Sheet -metal screw 4 , 2x9, 5 (20 pc's.) | 3017 |
| 22222 | Bolt M6x16 | 3018 |
| S100446 | Air box | 3019 |
| S100447 | Pipe gas supply 5 sections | 3020 |
| S100448 | Pipe gas supply 6 sections | 3020 |
| S100449 | Pipe gas supply 7 sections | 3020 |
| S100450 | Pipe gas supply 8 sections | 3020 |
| S100451 | Pipe gas supply 9 sections | 3020 |
| 19609 | Pressure test nipple ¼" | 3021 |
| 40139 | Adapter 1.½"x1.¼" | 3022 |
| 1035 | Pressure test nipple 1/8" | 3023 |
| 54549 | Adapter 1.¼" | 3024 |
| 51163 | Gasket Ø 56x42x2 | 3025 |
| S100452 | Gas supply pipe 1.¼" w/ Test firing valve | 3026 |
| 58603 | Gasket for venturi | 3027 |
| S155 24 | Bolt M 8 x 16 (10 pc's.) | 3028 |
| S59818 | Nut M 8 (20 pc's.) | 3029 |
| 54595 | O-ring Ø 142 x 3,5mm | 3030 |
| 54528 | Gasket for cover plate/burner | 3031 |
| 58622 | Bracket plug cap guard | 3032 |
| 42859 | Nut flange M12 | 3033 |
| 141 | Bolt M8 x 30mm | 3034 |
| S100453 | Mixing chamber/pipe | 3035 |
| S59651 | Gasket fan 7,8 and 9 sections | 3036 |
| 59652 | O-ring Ø 180 x 3,5mm | 3037 |
| 59638 | Bolt flange M5 X 20 | 3038 |
| 58609 | O-ring Ø 111 x 4mm | 3039 |
| S46687 | Nut Flange M5 (10 pc's .) | 3040 |
| 54580 | Fan adapter plate 5 -6 sections | 3041 |
| S59650 | Gasket fan | 3042 |

| | | |
|---|---|---|
| S54520 | Access plate heat exchanger 5 sections | 2028 |
| S54521 | Access plate heat exchanger 6 sections | 2028 |
| S54522 | Access plate heat exchanger 7 sections | 2028 |
| S54523 | Access plate heat exchanger 8 sections | 2028 |
| S54524 | Access plate heat exchanger 9 sections | 2028 |
| 53544 | Stud M8x20mm | 2029 |
| 55558 | Nut M 8 | 2030 |
| S54538 | 2nd return water pipe blind 5 sections | 2031 |
| S54539 | 2nd return water pipe blind 6 sections | 2031 |
| S54540 | 2nd return water pipe blind 7 sections | 2031 |
| S54541 | 2nd return water pipe blind 8 sections | 2031 |
| S54542 | 2nd return water pipe blind 9 sections | 2031 |
| 593 | Plug no. 290 3/8" | 2032 |
| S54533 | Return water distribution pipe 5 sections | 2033 |
| S54534 | Return water distribution pipe 6 sections | 2033 |
| S54535 | Return water distribution pipe 7 sections | 2033 |
| S54536 | Return water distribution pipe 8 sections | 2033 |
| S54537 | Return water distribution pipe 9 sections | 2033 |
| 22222 | Bolt M6x16 | 2034 |
| S54548 | Flue gas connection Ø 250mm | 2035 |
| S49297 | Sensor flue gas temperature NTC 12kohm 3% | 2036 |
| 54598 | Sealant silicone red 7 mm L=790mm | 2037 |
| S54529 | Inspection cover (condensate collector) | 2038 |
| 54562 | Sealant silicone red 10 mm per meter | 2039 |
| S100435 | Condensate collector 5 sections | 2040 |
| S100436 | Condensate collector 6 sections | 2040 |
| S100437 | Condensate collector 7 sections | 2040 |
| S100438 | Condensate collector 8 sections | 2040 |
| S100439 | Condensate collector 9 sections | 2040 |
| S58818 | Hose PVC 27/19 | 2042 |
| S58611 | Siphon assembly complete | 2043 |
| 54587 | Bolt M12 X 180mm | 2044 |
| S100114 | Washer Ø 13mm (20 pc's.) | 2045 |
| S100440 | Pipe 5 sections | 2046 |
| S48950 | Screw M4 x 10 (50 pc's.) | 2047 |
| 113324 | Insulation front plate heat exchanger 6 sec. | 2050 |
| 113323 | Insulation front plate heat exchanger 5 sec. | 2050 |
| 113325 | Insulation front plate heat exchanger 7 sec. | 2050 |
| 113327 | Insulation front plate heat exchanger 9 sec. | 2050 |
| 113326 | Insulation front plate heat exchanger 8 sec. | 2050 |
| S59727 | Flue gas damper MUK Ø 250mm. | 2098 |
| S58823 | Cleaning device L = 560 mm. | |

| | | |
|---|---|---|
| S100488 | Adapter 2" NPT (Gas inlet pipe) | 3045 |
| S100460 | Air-pressure sensor - vent safety Huba 604(Grey) | 3046 |
| S58604 | Gas leakage control or gas pressure control | 310/6100 |
| | **Control** | |
| S100454 | Control board MCBA | 4001 |
| S100377 | Code KEY for 310-5 | 4001 |
| S100378 | Code KEY for 310-6 | 4001 |
| S100379 | Code KEY for 310-7 | 4001 |
| S100380 | Code KEY for 310-8 | 4001 |
| S100381 | Code KEY for 310-9 | 4001 |
| S43563 | Fuse glass 2 amp fast (10 pc's.) | 4001 |
| S43561 | Fuse glass 2 amp slow (10 pc's.) | 4001 |
| S59208 | PC board display | 4002 |
| S100455 | Cable set complete wiring harness | 4003 |
| S59430 | Main fuse10A slow acting (5 pc's.) | 4003 |
| S101528 | Fan/Blower Fuse 12A slow acting (5 pc's) | 4003 |
| S59429 | Fuse holder FPG2 | 4003 |
| S100456 | Flat cable | 4004 |
| S59245 | On/off switch (5 pc's.) | 4005 |
| S100457 | Ignition/ ionization cable with cap & grommet | 4006 |
| S100458 | Front cover instrument panel | 4007 |
| S100459 | Top cover instrument panel | 4008 |
| S59238 | Cover plate compensating controller | 4009 |
| S100419 | Casing panel handle | 4010 |
| 57350 | Screw control cover m4 x10 | 4011 |
| S57010 | Spacer (10 pc's.) | 4012 |
| 59436 | Cable Flue gas damper (option) | 4096 |
| S38187 | Fuse 1 amp slow acting (10 pc's.) | 4001 |
| 111300 | Combustion Air inlet filter 10" | 4013 |
| 222688 | Gas filter insert cartridge replacement-Dungs | 4014 |
| 4-310-LRS-001 | Local/remote switch replacement | 4015 |
| S100490 | Burner End Kit | 4016 |




Local/remote switch replacement 4-310-LRS-001

Optional IF-01(0-10 Volt) part number S101052
Optional Bacnet Gateway 704501

Please contact your local De Dietrich Authorized Representative or Dealer for spare parts, pricing and delivery, if you do not know who your local dealer is, DDR Americas Inc. – De Dietrich @ 1.519.650.0420