

Nortec GS 50-600

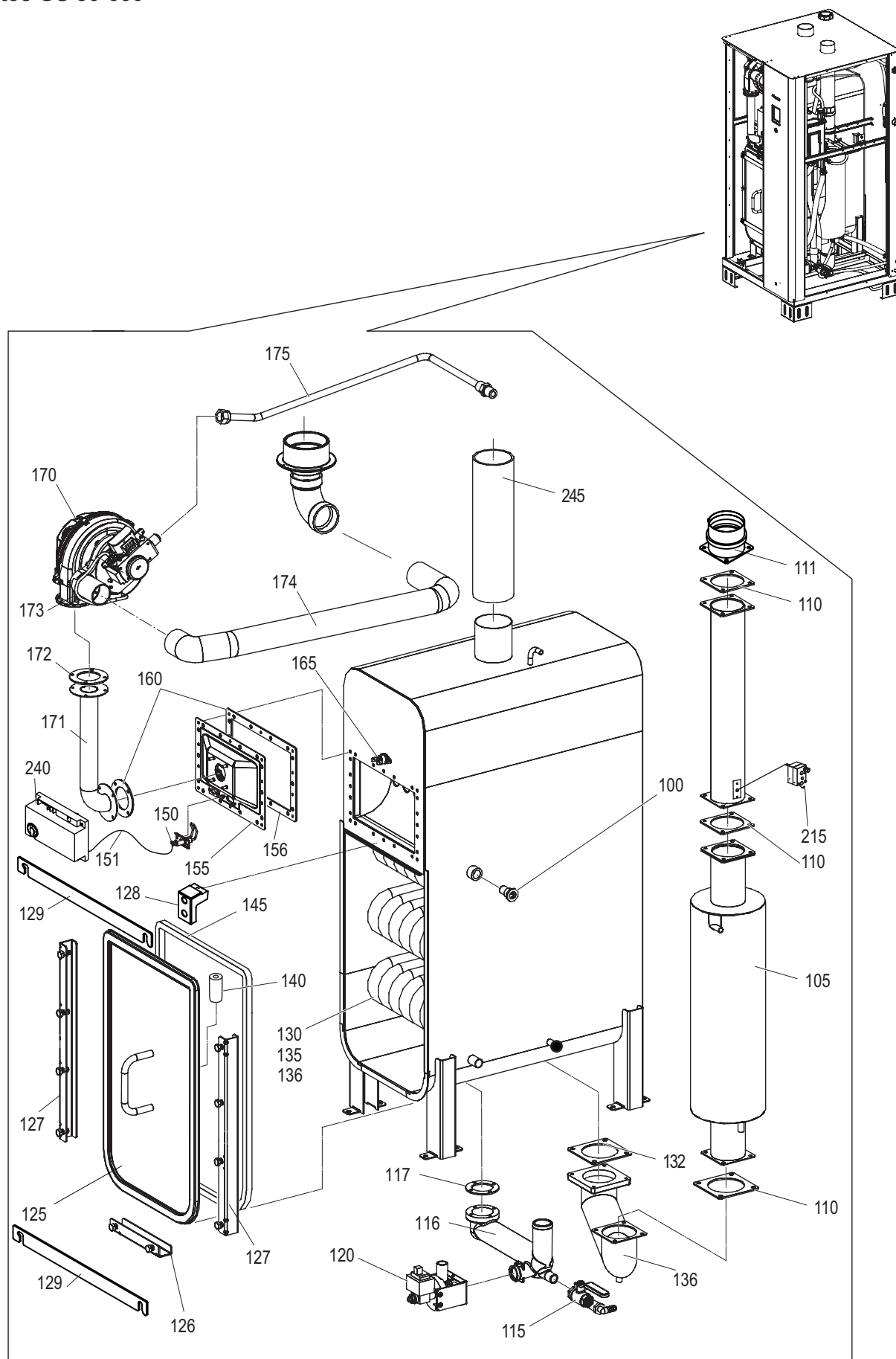


Figure 1: Nortec GS 150 Humidifier, Heat-exchanger and Blower

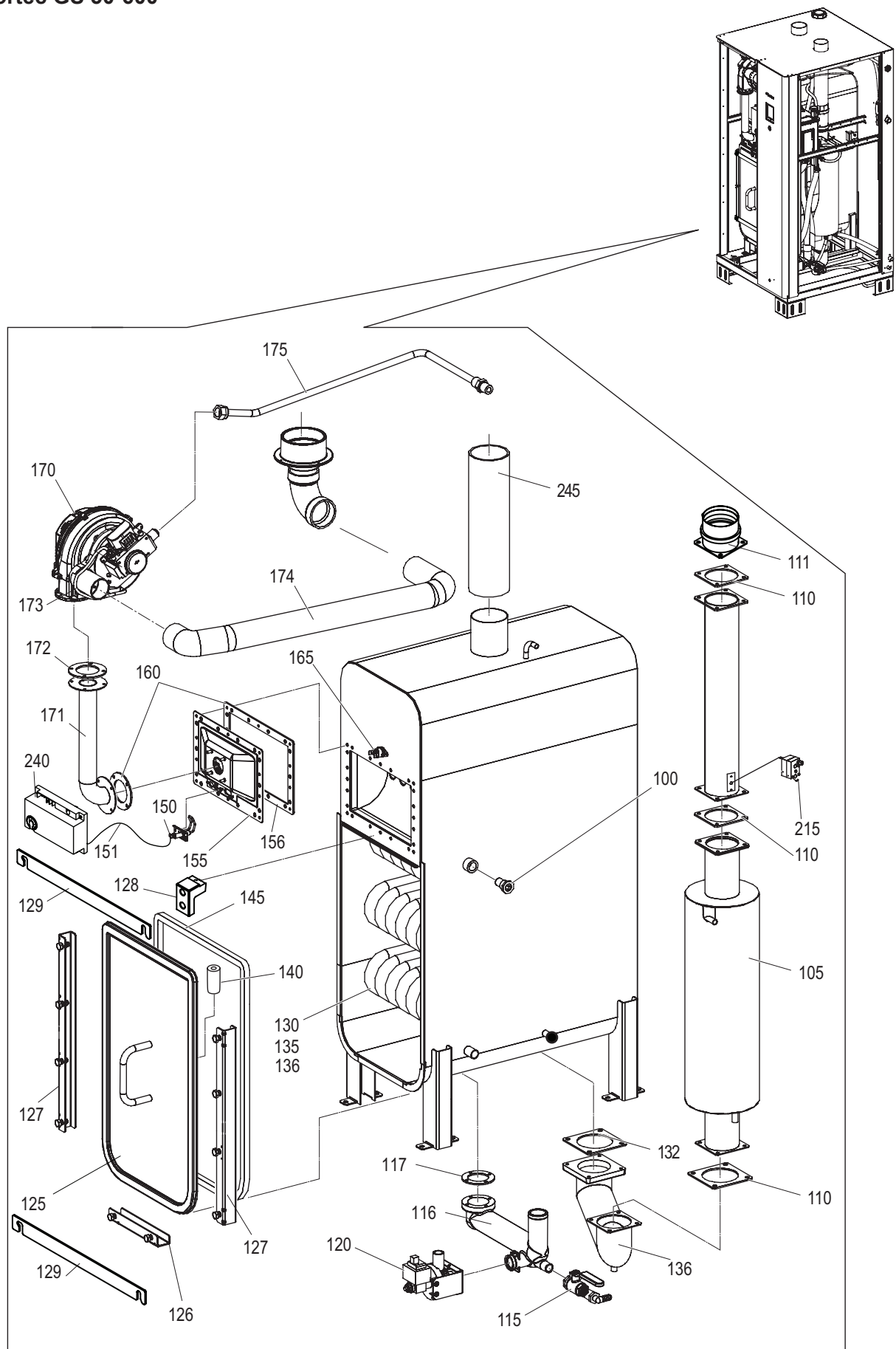


Figure 1: Nortec GS 150 Humidifier, Heat-exchanger and Blower, continued...

| Item No. | Item Description | Details | GS 50 | GS 100 | GS 150 | GS 200 | GS 300 | GS 450 | GS 600 | Condair Part Number |
|----------|--|------------------------|-------|--------|--------|--------|--------|--------|--------|---------------------|
| 124 | SP, Bracket Kit, Tank Door Clamps Kits consist of: Bracket, side clamp (qty. 2) Bracket, bottom clamp short (qty. 1) Bracket, bottom clamp long (qty. 1) Bracket, top, cleanout door (qty. 3) Screw, socket cap, M6x40 (qty. 4) Nut, M8x25 (qty. 17) Screw, M8x25 (qty. 17) Cross bar single (qty. 2) Cross bar, double (qty. 2) | | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2589276 |
| 125 | SP, GS, Door, Clean-out (single) (refer to Figure 3 on page 17 for details) Kits consist of: Door (qty. 1) Anode, sacrificial (qty. 1) Gasket (qty. 1) | | 1 | 1 | 1 | – | – | 1 | – | 2584482 |
| | SP, GS, Door, Clean-out (double) | | – | – | – | 1 | 1 | 1 | 2 | 2584483 |
| 126 | SP Bracket, Bottom Clamp Short, Tank Door Kits consist of: Bracket, Bottom Clamp Short, Tank Door (qty. 1) Nut, M8x1.25 (qty. 2) Screw, M8x25 (qty. 2) | (included in item 124) | 1 | 1 | 1 | – | – | 1 | – | 2592478 |
| | SP Bracket, Bottom Clamp Long, Tank Door Kits consist of: Bracket, Bottom Clamp Long, Tank Door (qty. 1) Nut, M8x1.25 (qty. 4) Screw, M8x25 (qty. 4) | (included in item 124) | – | – | – | 1 | 1 | 1 | 2 | 2592477 |
| 127 | SP 2X Bracket, Side Clamp Long, Tank Door Kits consist of: Bracket, Side Clamp Long, Tank Door (qty. 2) Nut, M8x1.25 (qty. 8) Screw, M8x25 (qty. 8) | (included in item 124) | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2592479 |
| 128 | SP Bracket Top, Cleanout Door Kits consist of: Bracket, top, cleanout door (qty. 1) Nut, M8x1.25 (qty. 1) Screw, M8x25 (qty. 1) Screw, socket cap, M6x40 (qty. 1) | (included in item 124) | 1 | 1 | 1 | 3 | 3 | 4 | 6 | 2592480 |
| 129 | SP, Cross Bar Single Kit consists of: Crossbar (qty. 2) | | 1 | 1 | 1 | – | – | 1 | – | 2593541 |
| | SP, Cross Bar Double | | – | – | – | 1 | 1 | 1 | 2 | 2593542 |
| 130 | SP, GS, Heat-exchanger, 23 kg/h Kit consists of: Heat exchanger, primary (qty. 1) Gasket, Hx combustion chamber flange (qty. 1) Gasket, Hx exhaust flange (qty. 1) Gasket, Hx exhaust flange, inside (qty. 1) Gasket, burner blower (qty. 2) Gasket, burner (qty. 1) Stud, M6x30, threaded SST (qty. 4) Bolt, M6x10, socket head SST (qty. 14) Bolt, M6x14, hex head SST (qty. 9) Nut, Nylon lock, M5 Zn plated (qty. 4) Nut, flange, serrated 6mm SST (qty. 4) Washer, lock M6 (qty. 9) | | 1 | – | – | – | – | – | – | 2584495 |
| | SP, GS, Heat-exchanger, 45 kg/h | | – | 1 | – | – | – | – | – | 2584496 |
| | SP, GS, Heat-exchanger, 65 kg/h (refer to on page 16 for details) Kit consists of: Heat exchanger, primary (qty. 1) Gasket, Hx combustion chamber flange (qty. 1) Gasket, Hx exhaust flange (qty. 1) Gasket, Hx exhaust flange, inside (qty. 1) Gasket, burner blower (qty. 1) Gasket, burner (qty. 1) Stud, M6x30, threaded SST (qty. 4) Bolt, M6x10, socket head SST (qty. 14) Bolt, M6x14, hex head SST (qty. 9) Nut, Nylon lock, M5 Zn plated (qty. 4) Nut, flange, serrated 6mm SST (qty. 4) Washer, lock M6 (qty. 9) | | – | – | 1 | 2 | 2 | 3 | 4 | 2593815 |

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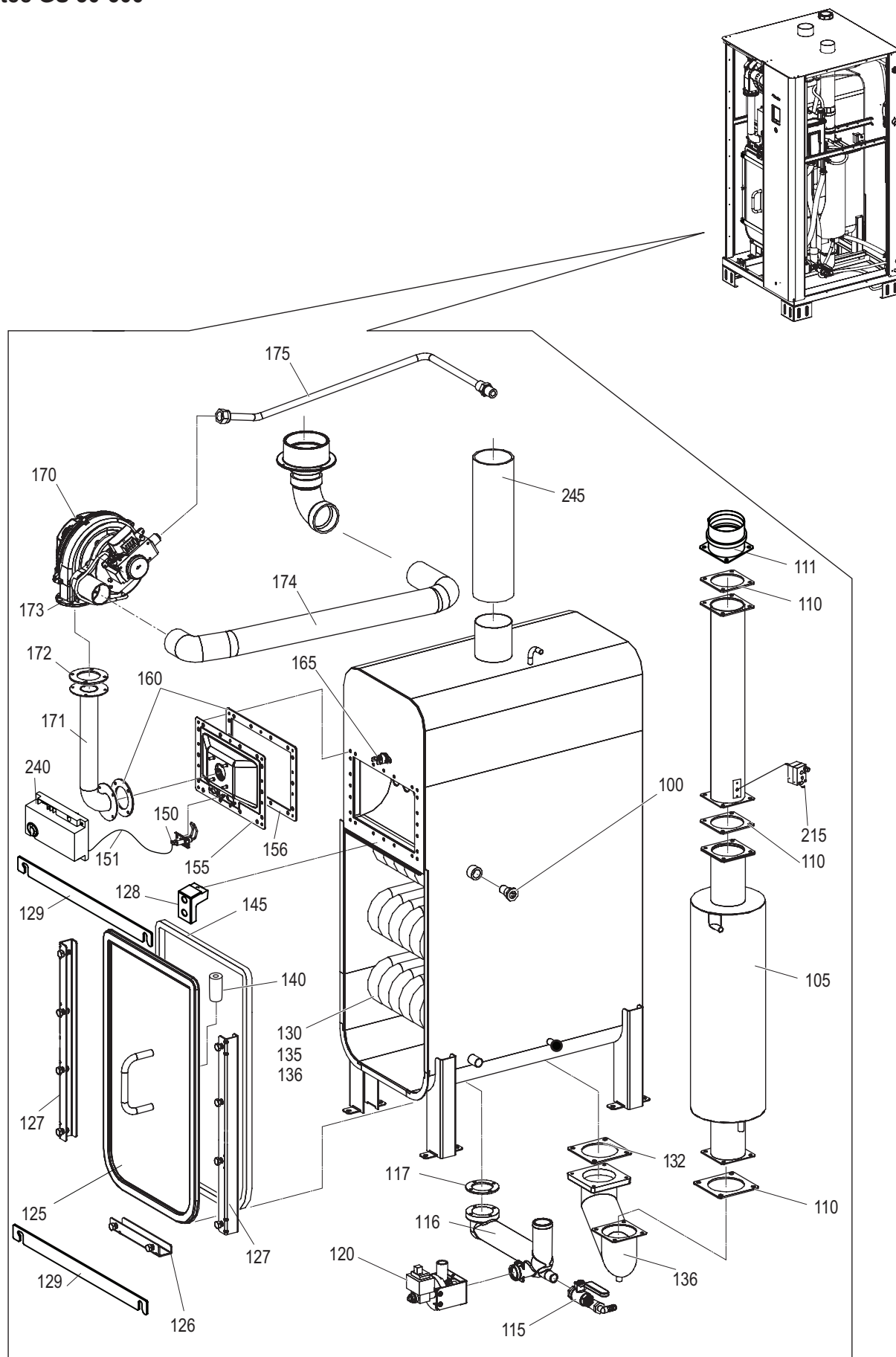


Figure 1: Nortec GS 150 Humidifier, Heat-exchanger and Blower, continued...

Parts List (continued...) – Nortec GS 50-600

| Item No. | Item Description | Details | GS 50 | GS 100 | GS 150 | GS 200 | GS 300 | GS 450 | GS 600 | Condair Part Number |
|----------|--|------------------------------|-------|--------|--------|--------|--------|--------|--------|---------------------|
| 131 | SP, 10X Gasket, HX Comb Chamber Flange Kit consists of: Gasket, Flange (qty. 10) | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2592486 |
| 132 | SP, 20X Gasket, HX Exhaust Flange Kit consists of: Gasket, Flange (qty. 20) | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2592488 |
| 135 | SP, GS, Gasket, Heat-exchanger (primary) Kit consists of: Gasket, Hx combustion chamber flange (qty. 1) Gasket, Hx exhaust flange (qty. 1) Gasket, Hx exhaust flange, Inside (qty. 1) Gasket, burner-blower (qty. 2, 1 for full size units) Gasket, burner (qty. 1) Bolt, M6x16, hex-head, SST (qty. 4) Bolt, M6x10, socket cap, SST (qty. 14) Bolt, M6x14, hex-head, SST (qty. 9) Stud, M6x30, threaded SST (qty. 4) Screw, socket cap, SST (qty. 2) Nut, nylon lock M5, Zn plated (qty. 4) Nut, flang, serrated, 6 mm SST (qty. 4) Washer, lock M6 (qty. 9) | (included in item 130) | 1 | 1 | 1 | 2 | 2 | 3 | 4 | 2584492 |
| 136 | SP, Hx and Exhaust Manifold Kit, Burner 1 (refer to on page 16 for details) Kit consists of: Heat-exchanger, primary (qty. 1) Manifold, tank exhaust, welded (qty. 1) Gasket, Hx combustion chamber flange (qty. 1) Gasket, Hx exhaust flange (qty. 1) Gasket, Hx exhaust flange, Inside (qty. 1) Gasket, burner-blower (1 for full size units) Gasket, burner (qty. 1) Gasket, tank 2nd HE flange, single Hx (qty. 1) Bolt, M6x10, socket cap, SST (qty. 14) Bolt, M6x14, hex-head, SST (qty. 9) Stud, M6x30, threaded SST (qty. 4) Screw, hex hd, ser. flange M6x12 Zn plate (qty. 4) Nut, nylon lock M5, Zn plated (qty. 4) Nut, flang, serrated, 6 mm SST (qty. 4) Nut, M6 Zn plated (qty. 4) Washer, lock M6 (qty. 9) | | – | – | 1 | 1 | 1 | 1 | 1 | 2593810 |
| | SP, Hx and Exhaust Manifold Kit, Burner 2 | | – | – | – | 1 | 1 | 1 | 1 | 2593811 |
| | SP, Hx and Exhaust Manifold Kit, Burner 3 | | – | – | – | – | – | 1 | 1 | 2593812 |
| | SP, Hx and Exhaust Manifold Kit, Burner 4 | | – | – | – | – | – | – | 1 | 2593814 |
| 140 | SP, GS, Sacrificial Anode, GS/SE Kit consists of: Anode, sacrificial (qty. 1) | (included in items 125, 145) | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2575147 |
| 145 | SP, GS, Gasket, Tank Clean-out Door Kit consists of: Gasket, clean-out door, single Hx (qty. 1) | (included in item 125) | 1 | 1 | 1 | – | – | 1 | – | 2584484 |
| | SP, GS, Gasket, Tank Clean-out Door Kit consists of: Gasket, clean-out door, double Hx (qty. 1) | (included in item 125) | – | – | – | 1 | 1 | 1 | 2 | 2584485 |
| 150 | SP, GS, Spark Igniter (refer to Figure 3 on page 17 for details) Kit consists of: Igniter, spark electrode (qty. 1) Gasket, spark igniter (qty. 1) Nut, M4 (qty. 2) Cable, spark igniter (qty. 1) | | 1 | 1 | 1 | 2 | 2 | 3 | 4 | 2584513 |

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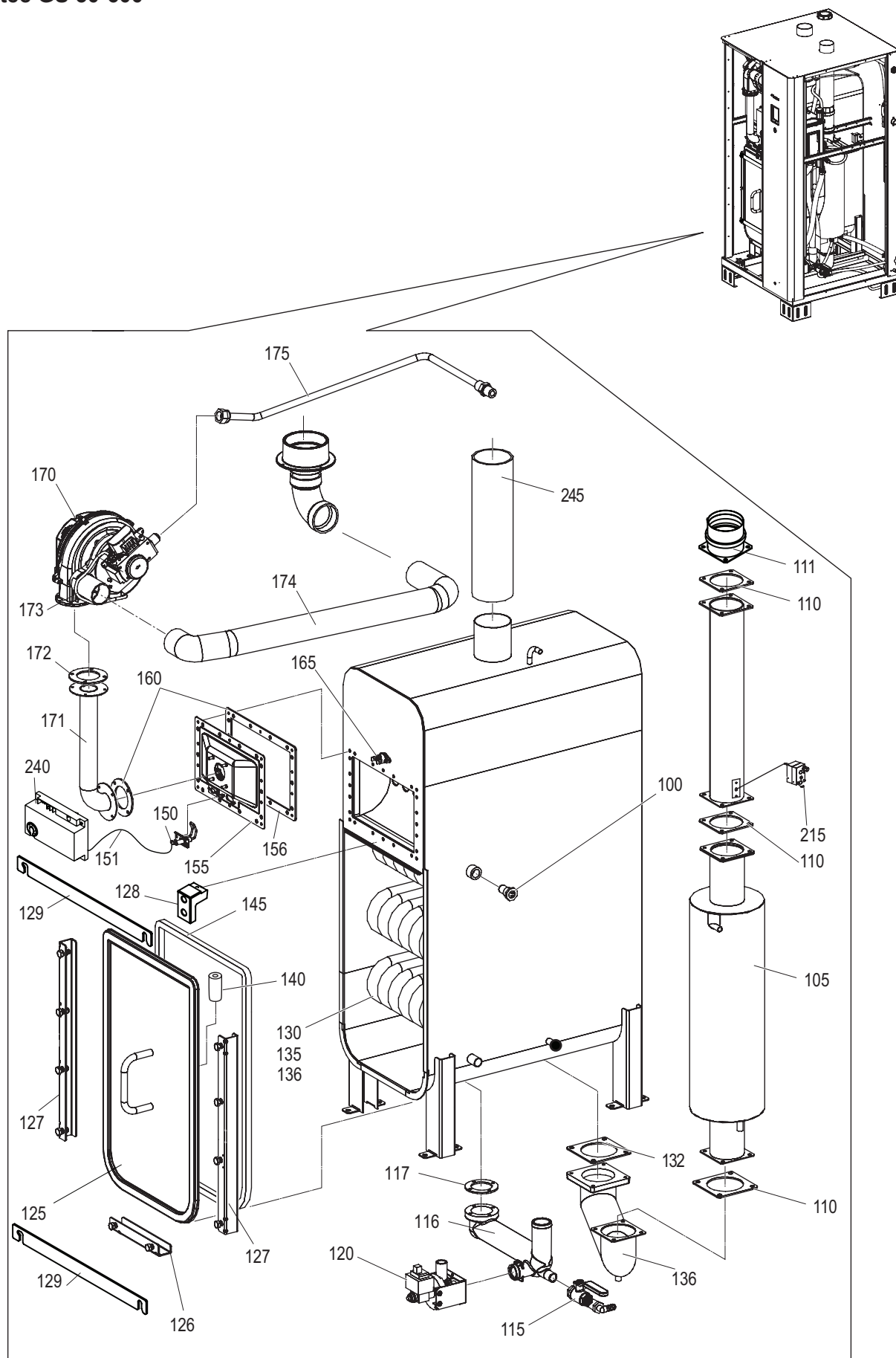


Figure 1: Nortec GS 150 Humidifier, Heat-exchanger and Blower, continued...

Parts List (continued...) – Nortec GS 50-600

| Item No. | Item Description | Details | GS 50 | GS 100 | GS 150 | GS 200 | GS 300 | GS 450 | GS 600 | Condair Part Number |
|----------|--|---------------------------|-------|--------|--------|--------|--------|--------|--------|---------------------|
| 151 | SP, Cable, Spark Igniter Kit consists of: Cable, spark igniter (qty. 1) | (included in item 150) | 1 | 1 | 1 | 2 | 2 | 3 | 4 | 2593544 |
| 155 | SP, GS, Burner Assembly, Compact (refer to Figure 3 on page 17 for details) Kit consists of: Assembly, burner (qty. 1) – includes spark igniter and hardware Gasket, burner-blower (qty. 2) Gasket, burner (qty. 1) Screw, M6×12, hex-head (qty. 10) Nut, nylon lock, M5 (qty. 4) | | 1 | – | – | – | – | – | – | 2584509 |
| | SP, GS, Burner Assembly, Compact Kit consists of: Assembly, burner (qty. 1) – includes spark igniter and hardware Gasket, burner-blower (qty. 2) Gasket, burner (qty. 1) Screw, M6×12, hex-head (qty. 10) Nut, nylon lock, M5 (qty. 4) | | – | 1 | – | 2 | – | – | – | 2584510 |
| | SP, GS, Burner Assembly, Full-size Kit consists of: Assembly, burner (qty. 1) – includes spark igniter and hardware Gasket, burner-blower (qty. 1) Gasket, burner (qty. 1) Screw, M6×12, hex-head (qty. 10) Nut, nylon lock, M5 (qty. 4) | | – | – | 1 | – | 2 | 3 | 4 | 2584511 |
| 156 | SP, 10X Gasket, Burner Kit consists of: Gasket, Burner (qty. 10) | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2592487 |
| 160 | SP, GS, Gasket, Burner (refer to Figure 3 on page 17 for details) Kit consists of: Gasket, burner (qty. 1) Gasket, burner-blower (qty. 1) Screw, M6×12, hex-head (qty. 10) Nut, nylon lock, M5 (qty. 4) | | 1 | 1 | 1 | 2 | 2 | 3 | 4 | 2584512 |
| 165 | SP, GS, Switch, Tank Hi-Limit Kit consists of: Switch, temperature (qty. 1) Nut, M3 (qty. 2) | | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2586125 |
| 170 | SP, GS, Blower Assembly, Compact Kit consists of: Assembly, blower with valve, pre-mix (qty. 1) Gasket, burner-blower (qty. 1) Tube, 1/8 in (3 mm) I.D. × 9 in (230 mm) | 120 V, 70 kBTU (20.5 kW) | 1 | – | – | – | – | – | – | 2586135 |
| | SP, GS, Blower Assembly, Compact Kit consists of: Assembly, blower with valve, pre-mix (qty. 1) Gasket, burner-blower (qty. 1) Tube, 1/8 in (3 mm) I.D. × 9 in (230 mm) | 120 V, 140 kBTU (41.0 kW) | – | 1 | – | 2 | – | – | – | 2584517 |
| | SP, GS, Blower Assembly, Full-size (refer to Figure 4 on page 18 for details) Kit consists of: Assembly, blower with valve (qty. 1) Gasket, burner-blower (qty. 1) | 120 V, 210 kBTU (61.5 kW) | – | – | 1 | – | 2 | 3 | 4 | 2586136 |

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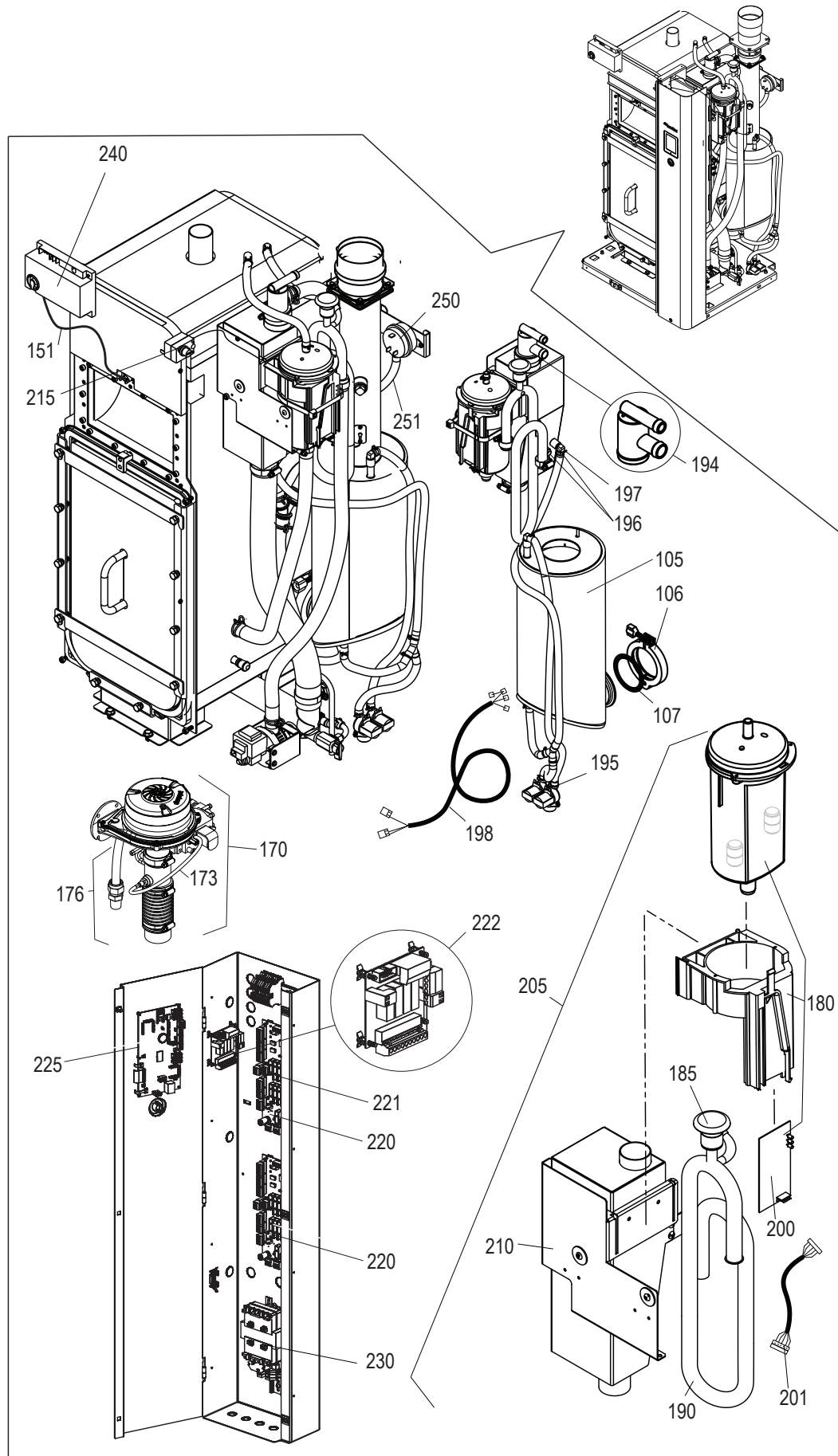


Figure 2: Nortec GS 100 Humidifier, Plumbing and Electrical.

| Item No. | Item Description | Details | GS 50 | GS 100 | GS 150 | GS 200 | GS 300 | GS 450 | GS 600 | Condair Part Number |
|----------|--|------------------------|-------|--------|--------|--------|--------|--------|--------|---------------------|
| 171 | SP, GS, Link Tube, Blower Burner 23-45 kg/h Kit consists of: Tube, link (qty. 1) Gasket, burner blower (qty. 2) Nut (qty. 4) Screw, hexhead M5x16 (qty. 4) | | 1 | 1 | – | – | – | – | – | 2593546 |
| | SP, GS, Link Tube, Blower Burner 65 kg/h Kit consists of: Tube, link (qty. 1) Gasket, burner blower (qty. 2) Nut (qty. 4) Screw, hexhead M5x16 (qty. 4) | | – | – | 1 | 2 | 2 | 3 | 4 | 2593547 |
| 172 | SP, 20X Gasket, Burner Blower 24 V Kit consists of: Gasket (qty. 20) | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2592489 |
| 173 | SP, Tube, 24 in, 1/4 in OD, 1/8 in ID Blue Kit consists of: Tube, 24 in (qty. 1) | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2592485 |
| 174 | SP, Hose, Blower 2 in ID Kit consists of: Hose, duct PVC (qty. 1) Clamps, gear (qty. 2) | | – | – | 1 | 2 | 2 | 3 | 4 | 2593548 |
| 175 | SP, GS, Flexible Hose, Gas, Compact Kit consists of: Hose, flex gas, 1/2 in (13 mm) I.D. × 16 in (406 mm) | | 1 | 1 | – | – | – | – | – | 2584500 |
| | SP, GS, Flexible Hose, Gas, Full-size Kit consists of: Hose, flex gas, 3/4 in (19 mm) I.D. × 36 in (915 mm) | | – | – | 1 | 2 | 2 | 2 | 2 | 2584501 |
| | SP, GS, Flexible Hose, Gas, Full-size Kit consists of: Hose, flex gas, 3/4 in (19 mm) I.D. × 60 in (1.5 m) | | – | – | – | – | – | 1 | 2 | 2584502 |
| 176 | SP, Connector, Blower Air, 23-45 kg/h Kit consists of: Hose, flex gas connect (qty. 1) Hose, duct 2 in ID PVC (qty. 1) Air intake, 2 in dia, GS blower (qty. 1) Clamp, worm-drive (qty. 3) Tube, 10 in, 1/4 in ID 1/8 OD, blue (qty. 1) Tube, connector, blower air assembly (qty. 1) Fitting, gas, 0.5 in NPT | | 1 | 1 | – | – | – | – | – | 2593545 |
| N/S | SP, Rectifier, 600 V 25 A Kit consists of: Rectifier (qty. 1) | | 1 | 1 | – | 2 | – | – | – | 2585377 |
| 180 | SP, GS, Float Chamber Sleeve (refer to Figure 4 on page 18 for details) Kit consists of: Mounting bracket, float chamber (qty. 1) Float board (qty. 1) | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2584508 |
| 185 | SP, GS, Valve, Vacuum Break Kit consists of: Valve, vacuum break, 1/2 in NPT (qty. 1) | (included in item 205) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1505959 |
| 190 | SP, GS, Drain Trap Kit consists of: Valve, vacuum break, 1/2 in NPT (qty. 1) Screws, mounting (qty. 2) Trap (qty. 1) | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2593551 |
| 194 | SP, GS, Fill Box Adapter Kits consist of: Adapter, fill box (qty. 1) | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2593552 |

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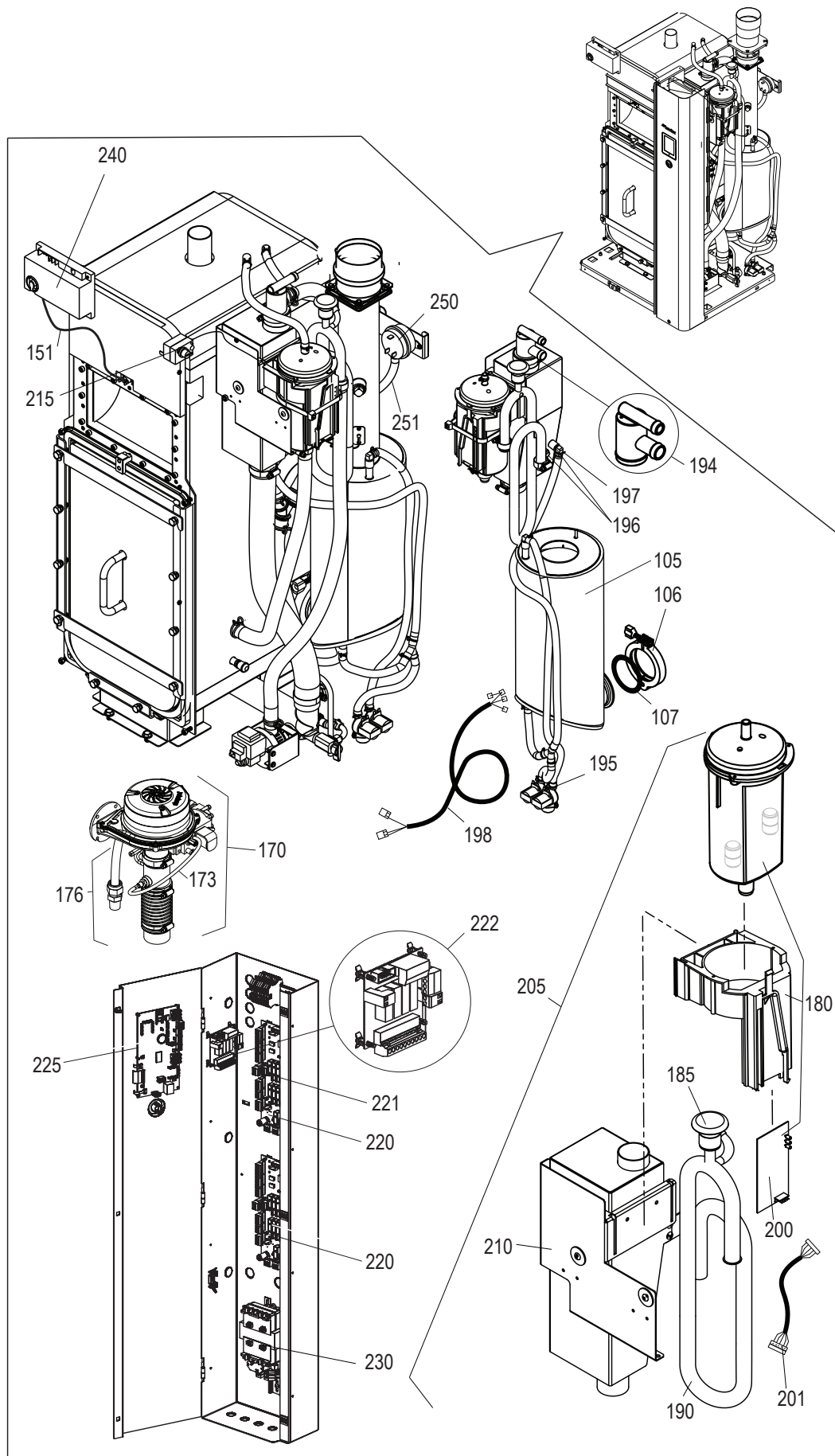


Figure 2: Nortec GS 100 Humidifier, Plumbing and Electrical. .

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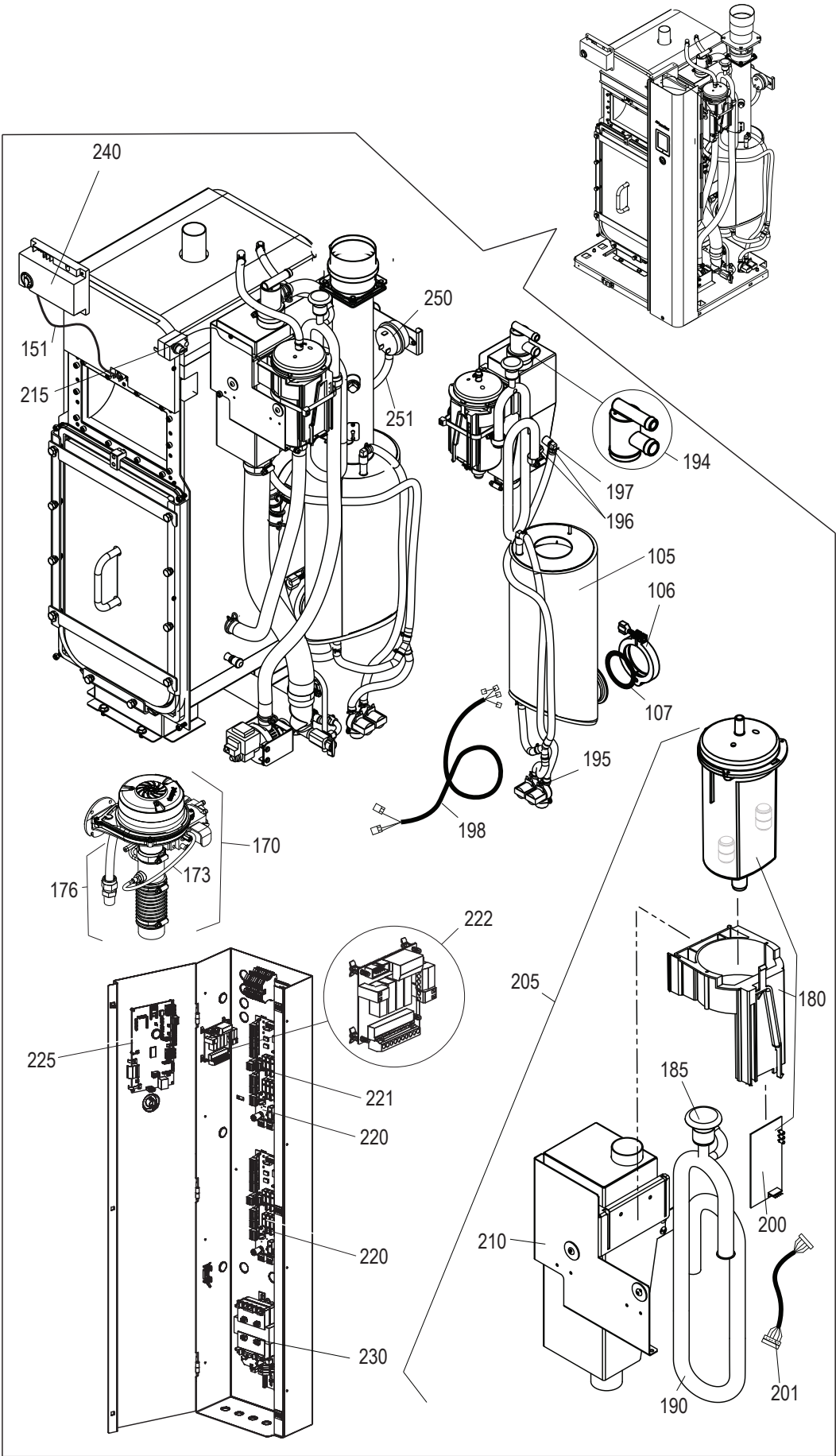


Figure 2: Nortec GS 100 Humidifier, Plumbing and Electrical.

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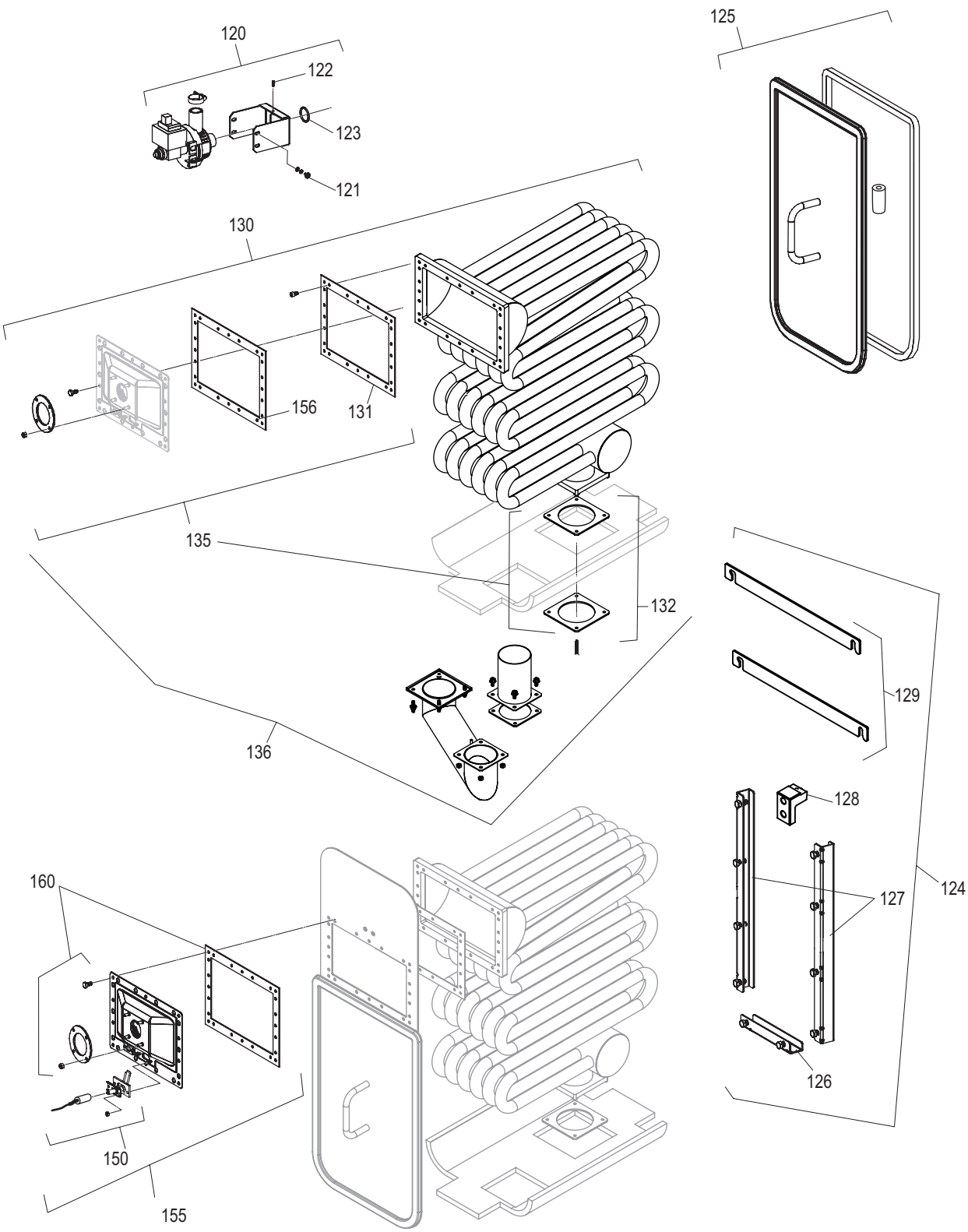


Figure 3: Nortec GS Humidifier, Kit Details
Note: Greyed out items are not a part of the kits.

Nortec GS 50-600

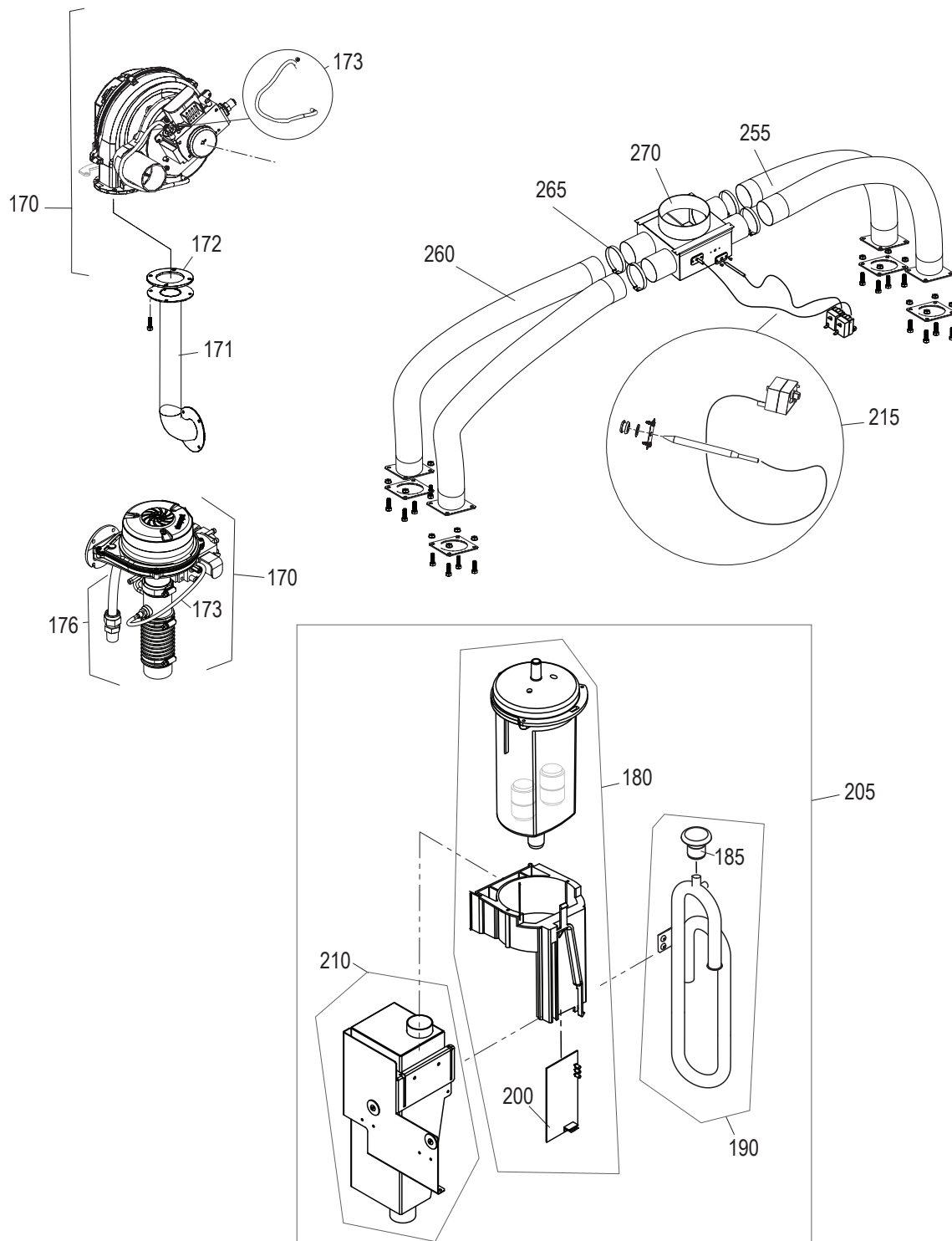


Figure 4: Nortec GS Humidifier, Kit Details, continued...

Note: Greyed out items are not a part of the kits.