

Domestic boilers with aluminium heat exchangers 01/08/11

NOTE:- This list is *NOT* exhaustive. It is produced from boiler manufacturers' information as published in magazine surveys. Boiler manufacturers may change specifications, and you should always check the material of the heat exchanger directly with the boiler manufacturer if you have any doubt.

If a boiler has an aluminium heat exchanger, the system should be power flushed with HYPER-FLUSH, and not POWER FLUSH FX2. Aluminium is a very reactive metal, and will suffer some attack from water that is even slightly acidic or alkaline, and this is why a neutral flushing chemical, HYPER-FLUSH, should be used.

| Manufacturer | Model | Heat exchanger material (✓ = aluminium) |
|-----------------------|---|---|
| ACV UK | Prestige 47 / 64 / 85 | ✓ |
| | Current models | None |
| Aga Rayburn | Rayburn 480CD | ✓ |
| Alpha Therm Ltd | None | None |
| Ariston | ACO 27 / 32 / 35 MFFI | ✓ |
| | ACO System 27 / 32 RFFI | ✓ |
| | ecoCombi 24-27kW | ✓ |
| | ecoSystem 24-27kW | ✓ |
| | ecoGenus 24kW / 24 MFFi & 24 RFFi | ✓ |
| | ecoGenus CSB 24kW | ✓ |
| | MicroGenus HE 24 / 28 / 32 MFFI | ✓ + copper |
| | Current models | None |
| ATAG Heating UK | Current models | None |
| Atmos Heating Systems | Multi 24/80 Condensing | ✓ |
| | Multi 24/80, 32/80 & 38/80 Plus | ✓ |
| | InterCombi HE32 | ✓ + copper |
| | InterSystem HE26 | ✓ + copper |
| | InterOpen HE22 | ✓ + copper |
| Baxi | Baxi Combi 100 HE; 105 HE & 130 HE Plus | ✓ |
| | Baxi Combi 80; 105 Instant HE & Instant 80 HE | ✓ + copper |

| | | |
|--------------|--|------|
| | Baxi 50; 80 & 100 HE Plus | √ |
| | Baxi Combi 100/2 & 133 HE Plus | √ |
| | Bermuda back boiler BBU15 HE | √ |
| | Solo 12; 15; 18; 24; 30 HE | √ |
| Biasi | Activa HE25C, 30C, 35C, 18S, 25S, 30S, Combi & System | √ |
| | Riva, Riva Advance & Riva Compact models | No |
| Buderus | Buderus 800 (all models) | √ |
| | Buderus GB (all models) | √ |
| | Buderus SB (all models) | No |
| | Buderus G & GE (all models) | No |
| Broag-Remeha | Selecta Combi & System | √ |
| | Quinta 30 / 45 / 65 / 85, 115 | √ |
| | Gas & Gas Pro, 110, 210, 310 & 610, 4 / 5 / 6 | √ |
| | Avanta models | None |
| Buderus | GB312 models 90, 120, 160, 200, 240 | √ |
| | SB315 models | No |
| | SB615 models | No |
| | Buderus 500 24 System | √ |
| | Buderus 500 28 Combi | √ |
| | Buderus 600-11 / 19 / 24 Regular, and System | √ |
| | Buderus 600 24 / 28 Combi | √ |
| Evinox | All | None |
| Ferrolli | Arena 30C & 30A | √ |
| | Maxima 35 / 35C / 35S | √ |
| | Econcept 50 / 100 / 50A / 80A / 125A | √ |
| | Optimax 25C / 25S / 25 OV / HE18S / HE25S / HE31S / HE38 & HE Plus | √ |
| | EnergyTop (all models) | √ |
| | Extrema | No |
| | FerTech 31C & 38C, 18 & 25 OV | √ |
| Gledhill | 12, 18 & 25 OV/SP | √ |
| | Gulfstream A-Class 12 / 20 / 30 OV/SS | √ |

| | | |
|----------------------|--|---------------|
| Glen Dimplex | All current models | none |
| Glow-worm (Hepworth) | Energy Saver Combi 80 /100 | √ |
| | Flexicom 24, 30 &35cx / 18sx, /30sx + 12/15/18/24/30hx | √ |
| | Ultracom (all models) | No |
| | Betacom | No |
| | Ultrapower & Ultracom (all models) | No |
| Halstead | All models | None |
| Heatline | All models | None |
| Ideal Boilers | Esprit HE24 / HE30 / HE35 | √ |
| | Elise H15 / H24 | √ |
| | Icos HE 12 / 15 / 18 / 24 / 30 /36 | √ |
| | Icos System HE 24 | √ |
| | Isar HE 24 / 30 / 35 / 260 / 325 | √ |
| | Isar m 3080 Condensing | √ |
| | Icos m3080 & system 3080 | √ |
| | Istor HE 260/325 | √ |
| | Maximiser SE42 & SE65 | √ |
| | Mexico HE 15 / 18 / 24 / 30 / 36 | √ + cast iron |
| | Classic HE 9 / 13 / 15 / 18 / 15P / 18P | √ + cast iron |
| | Imax W45 /W60 /W80 /W45P /W60P /W80P | √ |
| | Mini HE (all models) | None |
| | Logic, Logic Plus, Logic Heat (all models) | √ |
| | Code Combi | √ |
| Intergas Heating | Combi & Compact | √ + copper |
| Johnson & Starley | All models | None |
| Keston Boilers | Combi 30C | √ |
| | C36, C45, C55,C90, C110 heat only | No |
| | Caution – Celsius boilers are reported to have aluminium end caps to s/s steel heat exchanger. | √ |
| | Multi boiler Rigs, Qudos & qDuet | No |
| Lochinvar | All models | None |
| Main | Main Combi 25 & 30 Eco, & System 24; 12, 15, 18, 28 & 30 HE, ThermiPro Hybrid Heat Station | √ + copper |

| | | |
|-------------------------|---|---------------|
| Malvern | All models | None |
| MHG Boilers | ProCon Streamline 16/24S; 25/32S & Flash, 16H; 25H | √ + cast iron |
| | ProCon Standard & HT (not Streamline) | None |
| | ThermiPro Hybrid Heat Station | √ + cast iron |
| | EcoStar models | No |
| | Euroline | No |
| MHS Boilers | All models | None |
| Potterton | Performa 24 Eco; 24i; 30 HE | √ + copper |
| | Promax 15/2; 24/2 & 30 HE Plus | √ |
| | Promax 12; 15; 18; 24; 30 SL | √ |
| | Promax FSB30 HE & Gold FSB30 only | √ |
| | Promax System HE Plus | No |
| | Promax HE Store Boilers | No |
| | Suprima 30; 40; 50; 60; 70; 80 HE | √ + cast iron |
| | Performa System 12; 18; 24; 28 HE | √ + copper |
| | Platinum 15; 24 HE | √ |
| | Duo-tec Combi - all | No |
| | Platinum Combi - all | No |
| | Gold Combi, Gold System & Promax Combi | No |
| | Gold H15, H18, H24 | √ |
| | Megaflow System boilers | No |
| | Heatmax Combis | No |
| Potterton Commercial | Paramount Two 30; 40; 60; 80; 95 & 115 & Eurocondense Two & Three models. | √ |
| | Sirius (all models) | No |
| Ravenheat Manufacturing | CSI System & System T | √ |
| | CSI Primary Condensing | √ + copper |
| | CSI 85; 85B & 85T Condensing | √ + copper |
| | HE85A Condensing | √ + copper |
| | HE System A & Primary A Condensing | √ + copper |
| | CSI System B / Primary B, AAA models | √ + copper |
| | Csi & HE120 & 150 Low Nox models | None |

| | | |
|-----------------|--|------------|
| | CombiPlus & CombiStore models | No |
| Remeha | All models Avanta | None |
| Rinnai | Rinnai E32S | No |
| Saunier Duval | Ecosy II 28E / SB28E | √ |
| | Enviroplus F24e / F28e / F28e SB | √ |
| Sime | Ecomfort, Murelle & Dewy models | No |
| | Format models | √ |
| Stokvis | All Econoflame models | No |
| Trianco | TriStar Optima / Junior K | √ |
| Vaillant | EcoCRAFT VFK (all models) | √ |
| | All other models, ecoTec, atmoCraft | No |
| Viessman | All models | None |
| Vokera | Syntesi 25e / 29e / 35 | √ + copper |
| | Hydra 26 | √ |
| | Synergy 25e / 29e | √ + copper |
| | Pinnacle 16 / 26 | √ |
| | Eclipse ESC 226 & ESS216/226 | √ |
| | Linea 25/ 28 / 30 / 32/ 35/ 36 HE | √ |
| | Unica 28 / 32 / 36 HE | √ |
| | Mynute 12 / 15 / 20 / 25 / 30 / 35 HE | √ |
| | Mynute 12 / 15/ 20 VHE | √ |
| | Compact models | √ |
| Warmworld | Condensing | √ + copper |
| | FFC30/60 & 65/80 | √ + copper |
| | HE Combi | √ + copper |
| | FFC Combi | √ + copper |
| Worcester Bosch | Greenstar 25 / 28 /30/ 27 / 28 HE Plus | √ |
| | Greenstar 29 / 40 HE Conventional | √ |
| | Greenstar 30 / 35 / 40HE Plus | √ |
| | Greenstar 12 / 15/ 18 / 24 Ri Regular | √ |
| | Greenstar 440 & 550 Highflow | √ |

| | | |
|--|---|---|
| | Greenstar 25 / 27/ 30/ 35/ 37/ 40/ 42 CDi | √ |
| | Greenstar 25 / 30 Si | √ |
| | Greenstar Junior 24i / 28i | √ |
| | Greenstar System 24i / 12i / 30CDi | √ |
| | Greenstar FS 30 & 42 CDi | √ |

KAMC

