

Domestic boilers with aluminium heat exchangers 08/09/2008

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
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
Atmos Heating Systems	Multi 24/80 Condensing	√
	Multi 24/80 & 32/80 Plus	√
	InterCombi HE32	√ + copper
	InterSystem HE26	√ + copper
	InterOpen HE22	√ + copper
Baxi – see under Potterton		
Biasi	None	None
	Buderus 800 (all models)	√
	Buderus GB302 (all models)	√
Broag-Remeha	Selecta Combi & System	√
	Quinta 30 / 45 / 65 / 85, 115	√

	Gas , 110, 210, 310 & 610, 4 / 5 / 6	√
Buderus	Buderus 500 24 System	√
	Buderus 500 28 Combi	√
	Buderus 600-11 / 19 / 24 Regular, and System	√
	Buderus 600 24 / 28 Combi	√
Evinox	None	None
Ferroli	Arena 30C & 30A	√
	Maxima 35 / 35C / 35S	√
	Econcept 50 / 100 / 50A / 80A / 125A	√
	Optimax 25C / 25S / 25 OV / HE18S/ HE25S / HE31S / HE38	√
Gledhill	12, 18 & 25 OV/SP	√
	Gulfstream A-Class 12 / 20 / 30 OV/SS	√
Glow-worm (Hepworth)	Energy Saver Combi 80 /100	√
	Flexicom 24 & 30cx / 18sx, /30sx + 12/15/18/24/30hx	√
Halstead	None	None
Heatline	None	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	√
Johnson & Starley	None	None
Keston	Heat exchanger is stainless steel, BUT there are aluminium 'cheeks' either side of heat ex.	√
Lochinvar	None	None

Main	Main Combi & System 24; 28 & 30 HE	√ + copper
Malvern	None	None
MHG Boilers	ProCon Streamline 16/24S; 25/32S & Flash, 16H; 25H	√ + cast iron
MHS Boilers	None	None
Potterton + 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	√
	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 ONLY	√
	Suprima 30; 40; 50; 60; 70; 80 HE	√ + cast iron
	Performa System 12; 18; 24; 28 HE	√ + copper
	Solo 12; 15; 18; 24; 30 HE	√
	Platinum 15; 24 HE	√
Potterton Commercial	Paramount Two 30; 40; 60; 80; 95 & 115	√
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	√ + copper
Saunier Duval	Ecosy II 28E / SB28E	√
	Enviroplus F24e / F28e / F28e SB	√
Sime	None	None
Stokvis	None	None
Trianco	TriStar Optima / Junior K	√
Vaillant	None	None
Viessman	None	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	√
	Compact 25 / 29 / 35 HE	√
	Mynute 12 / 15 / 20 / 25 / 30 / 35 HE	√
	Mynute 12 / 15/ 20 VHE	√
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 Highflow	√
	Greenstar 25 / 27/ 30/ 35/ 37/ 40/ 42 CDi	√
	Greenstar 25 / 30 Si	√
	Greenstar Junior 24i / 28i	√
	Greenstar system 24i / 12i / 30CDi	√