



Zip AquaFlo II[®]

Water heaters

**Unvented, stainless-steel cylinders
90 to 300 litre capacity**



Features

Wide range of capacities in seven sizes from 90 litres up to 300 litres

High grade Duplex Stainless Steel Unvented Cylinder for long life

Incoloy immersion elements provide excellent corrosion resistance

Compact coil-in-coil heat exchangers provide fast heat up and recovery

Multi-element options for faster heat up

High performance insulation ensures minimum heat loss

External expansion for optimum reliability, more usable space and ease of maintenance

No sacrificial anode avoids the need for regular inspection

22mm compression connections for ease of installation

Cylinders tested to 15 bar

25 year transferable cylinder warranty

2 year warranty on all other components

Fully approved to UK Water Regulations and Buildings Regulations Part G3 and Part L

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Unvented, stainless-steel cylinders
90 to 300 litre capacity

AquaFlo Direct

Model	Nominal Capacity (L)	Height (mm) x 545 Dia	Weight Empty (kg)	Weight Full (kg)	Vol within 10°C of set temp (L)	Heat up 3kW (mins)	Heat up 6kW (mins)	Heat up 9kW (mins)	Boost re-heat (mins)	Low level immersion elements	High level immersion elements	Standing Loss (kWh/day)
AF3090	90	727	21	111	73	76.0	-	-	-	1	0	1.07
AF3120	120	915	26	146	102	103.0	-	-	58.0	1	1	1.23
AF3150	150	1102	33	183	133	134.0	-	-	72.0	1	1	1.41
AF3180	180	1290	38	218	163	164.0	-	-	82.0	1	1	1.53
AF3210	210	1478	41	251	194	203.0	-	-	96.0	1	1	1.80
AF3250	250	1728	46	296	236	248.0	-	-	117.0	1	1	2.15
AF3300	300	2041	55	355	288	323.0	-	-	145.0	1	1	2.28
AF3150S*	150	1102	33	183	133	134.0	73	57	72.0#	3 or 2	0 or 1	1.41
AF3180S*	180	1290	38	218	163	164.0	88	67	82.0#	3 or 2	0 or 1	1.53
AF3210S*	210	1478	41	251	194	203.0	108	80	96.0#	3 or 2	0 or 1	1.80
AF3250S*	250	1728	46	296	236	248.0	130	95	117.0#	3 or 2	0 or 1	2.15
AF3300S*	300	2041	55	355	288	323.0	168	120	145.0#	3 or 2	0 or 1	2.28

* Supplied with 3 elements and 4 bosses - 3 at low level and 1 at high level. Additional elements are available for installation in the 4th boss. # If using high level element

AquaFlo Indirect

Model	Nominal Capacity (L)	Height (mm) x 545 Dia	Weight Empty (kg)	Weight Full (kg)	Vol within 10°C of set temp (L)	Indirect Heat Exchanger (kW)	Recovery Indirect (mins)	Boost re-heat (mins)	Low level immersion elements	High level immersion elements	Standing Loss (kWh/day)
AF4090	90	727	23	111	74	16.46	12.0	-	1	0	1.07
AF4120	120	915	30	148	105	16.46	16.0	-	1	0	1.23
AF4150	150	1102	38	186	132	18.55	17.2	-	1	0	1.41
AF4180	180	1290	42	220	160	18.55	20.4	-	1	0	1.53
AF4210	210	1478	45	253	188	18.55	22.0	-	1	0	1.80
AF4250	250	1728	51	299	232	22.00	25.0	117.0	1	1	2.15
AF4300	300	2041	60	357	285	22.00	34.0	145.0	1	1	2.28

AquaFlo Solar Compatible

Model	Nominal Capacity (L)	Height (mm) x 545 Dia	Weight Empty (kg)	Weight Full (kg)	Vol within 10°C of set temp (L)	Indirect Heat Exchanger (kW)	Solar Heat Exchanger	Dedicated Solar Capacity	Recovery solar (mins)	Boost re-heat (mins)	Low level immersion elements	High level immersion elements	Standing Loss (kWh/day)
Solar Twin Coil													
AF5150	150	1102	40	187	132	18.55	16.46	77	25.0*	12.0#	0	1	1.41
AF5180	180	1290	45	222	160	18.55	18.55	95	26.3*	14.8#	0	1	1.53
AF5210	210	1478	48	255	188	22	18.55	101	31.2*	15.5#	0	1	1.80
AF5250	250	1728	53	300	232	22	22.00	107	33.0*	20.0#	0	1	2.15
AF5300	300	2041	63	359	285	22	22.00	121	41.0*	25.0#	0	1	2.28
Solar Direct													
AF6150	150	1102	38	186	102	-	16.46	80	25.0*	72.0	1	1	1.41
AF6180	180	1290	42	220	123	-	18.55	100	26.3*	82.0	1	1	1.53
AF6210	210	1478	45	253	143	-	18.55	116	31.2*	96.0	1	1	1.80
AF6250	250	1728	51	299	175	-	22.00	137	33.0*	117.0	1	1	2.15
AF6300	300	2041	60	358	210	-	22.00	160	41.0*	145.0	1	1	2.28

* Re-heat times based on BS12897 parameters with an 80°C primary flow at 15 l/min.

Using Indirect heat exchanger

Actual performance when installed will vary considerably dependant on the rate of solar or other renewable input, number of panels etc.

Construction

- Direct, indirect and solar compatible unvented water heaters
- Corrosion resistant Duplex Stainless Steel cylinder
- High performance, low profile coil-in-coil heat exchanger
- High performance CFC free injected polyurethane foam insulation
- White plastic coated steel case resistant to scuffs and damage
- External expansion for reliability and ease of maintenance
- Cylinder pressure tested to 15 bar

Installation

For installation by a competent installer in accordance with all national and local Building Regulations.

Intended for floor standing only – refer to Technical Data for weight full.

Nominal Capacity

Direct and Indirect units:
90, 120, 150, 180, 210, 250 and 300 litres.

Solar Twin Coil and Solar Direct units:
150, 180, 210, 250 and 300 litres.

Immersion Elements

Incoloy construction 1¼" thread. Length 14"
Loading 3kW @ 240V.

Heat Exchanger

22mm low profile, high efficiency stainless steel coil-in-coil.

Controls

Thermostat – adjustable up to 65°C.

Over temperature safety cut-out – Re-settable.
Operates at 85°C.

Expansion relief valve – 6 bar.

Temperature and pressure relief valve – 90°C and 7 bar.

Pressure reducing valve – 3 bar.

Expansion vessel – Pre-charged to 3 bar.

Plumbing

For connection to 22mm mains potable water supply.

Minimum water supply 1.5 bar, 20 l/min.

Maximum water supply pressure 12 bar.

Electrical

To be wired to a suitably rated double pole fused spur.

Installation must comply with current IEE regulations.

Approvals

KIWA approved to UK Water Regulations.

KIWA approve to UK Building Regulations Part G3 and Part L.

Immersion element/thermostat BEAB approved and CE endorsed.

Warranty

25 years on cylinder transferable (conditions apply).

2 years on all other components.

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