Technical Data

Purewell Integra
Performance and General Data Information

	BOILER MODEL		PI 40	PI 70	PI 100
Energy	Boiler output	kW Btu/h x 1000	40 136.5	70 238.8	100 341.2
	Boiler input (Gross)	kW Btu/h x 1000	49.3 168.2	88.4 301.6	126 429.9
	Boiler input (Nett)	kW Btu/h x 1000	44.4 151.5	79.6 271.6	113.6 387.6
Water	Water content	l UK gal	30 6.6	37.1 8.2	44.2 9.7
	System design flow rate @ 11°CΔt across module	l/s UK gal/min	0.87 11.5	1.52 20.1	2.17 28.6
	Minimum flow rate at any time @ 22°CΔt rise	l/s UK gal/min	0.43 5.7	0.76 10.0	1.08 14.3
	Waterside pressure loss @ 11°CΔt	mbar in wg	5.10 2.0	20.59 8.3	41.12 16.5
	Maximum water pressure	bar psig	6 87		
	Minimum water pressure modular application 82°C flow 11°CΔt	bar psig	0.42 6.1		
Gas	Input rate natural gas	m^3/h ft^3/h	4.73 167.0	8.27 292.1	11.8 416.7
	Nom.gas inlet pressure at boiler natural gas	mbar in wg	20 8		
	Max.gas inlet pressure at boiler natural gas	in wg	25 10		
	Gas setting pressure standard module natural gas	mbar in wg	13.4 5.4	11.0 4.4	10.2 4.1
Flue	Approx flue gas volume @ 9% CO_2 @ NTP	m^3/h ft^3/h	62.9 2221	110.0 3884	157.0 5543
	Approx flue gas temp. nett (primary flue)	°C °F	190 365	220 423	205 401
Connection	Water flow/return Connections		Rc2" ISO 7/1		
	Gas inlet Connection		$R^3/_4$" ISO 7/1	R1" ISO 7/1	
	Flue connections to draught diverter nominal dia.	mm in	206 8.11	256 10.1	
	Electrical supply		230v 50Hz Single phase, 6 amp fuse		