

T/D 036

NATURAL GAS & PROPANE FIRED WATER STORAGE HEATERS – FLUE TECHNICAL DATA

Heater Model Type	Heater Input kW	Flue Outlet Dia. mm	Flue Gas Temp. °C	Flue Gas Vol. m ³ /h	CO ₂ %
Std. Range Nat. Gas					
24/39	12	100	200	17	5.8
32/40	12.5	100	205	18	5.8
40/61	19	100	195	26	6.0
63/62	19	125	160	31	4.1
84/87	26	125	125	37	5.2
Hi-Flo Nat. Gas					
32/143	42.8	150	117	62	5.3
65/173	50	150	140	73	4.9
81/264	80	200	150	116	3.7
62/341	102	200	195	149	5.4
54/418	128	250	185	186	4.4
54/440	139	250	215	202	4.6
Std. Range LPG					
L24/31	9.5	100	180	16	7.3
L32/35	11	100	180	16	7.3
L/40/36	11	100	185	23	7.2
L63/71	22	125	125	28	4.7
L84/74	22	125	130	34	6.0
Hi-Flo LPG					
L32/143	41.8	150	125	57	6.1
L65/169	49	150	125	67	5.8
L81/251	76	200	170	104	4.8
L62/309	92.5	200	190	126	5.9
L54/399	122	250	170	167	4.8

Readings taken at a test point 500mm above the draught diverter.

Flue Specification and Design Guide

The Standard Range and Hi-Flo Range of water heaters are all open flued atmospheric gas appliances that require a flue to extract products of combustion. Each heater is supplied with a draught diverter which must be fitted as detailed in the Installation Guide, Operation and Service Manual. The flue is then fitted to the draught diverter. To minimise condensation, twin wall insulated flue is recommended. All flue installations must conform to the following publications.

BS 5440: 1990:Pt1. Specification for installation of flues.

BS 6644: 1991: Specification for installation of gas fired hot water boilers of rated inputs between 60kW and 2mW.

IM/11 flues for commercial and industrial gas installations.

