

# Specifications for Assure System

<b>Potterton Assure System</b>			
	Units	15	18
Sales code		7658127	7658128
<b>Controls</b>			
Concealed user controls		No	No
Reset switch		Yes	Yes
User adjustable CH temperature		Yes	Yes
LED operating status display		Yes	Yes
<b>Gas</b>			
Natural gas		NG	NG
Nominal inlet supply pressure	mbar	20	20
Maximum gas rate	m3/hr	1.64	1.96
Heat input central heating (CH)	kW Max Gross (QnHs)	17.16	20.60
	kW Min Gross (QnHs)	5.15	5.15
Heat output CH non-condensing	kW Max (Pn)	15.00	18.00
	kW min (Pn)	4.50	4.50
Heat output CH condensing	kW max (Pnc)	16.39	19.62
	kW min (Pnc)	4.85	4.85

<b>ErP product information</b>			
NOx	mg/kWh	31.4	32.6
Sound power level, indoors	LWA DB	48	51
Space heating efficiency class		A	A
<b>Electrical</b>			
Electrical supply	Volts/Hz	230/50	230/50
Permanent live required		Yes	Yes
Switched live		Yes	Yes
Electrical power cable fitted as standard		No	No
Power consumption	Watts	46	56
External fuse rating	Amps	3	3
Internal fuse rating	Amps	F2HA250V	F2HA250V
Ingress protection rating		IPX5D	IPX5D
Boiler IP rating (electrical protection)	Approval category	IPX5D	IPX5D
Integral 'boiler only' frost thermostat		Yes	Yes
Pump overrun		Yes	Yes
<b>Mechanical</b>			
Wall mounting jig		Yes	Yes
Isolating valves		Yes	Yes
Gas supply connection	mm	22	22
Central heating connections	mm	22	22

Condensate drain connection	mm	21.5	21.5
Safety discharge connection	mm	15	15
<b>Hydraulic</b>			
CH safety discharge pressure	bar	3	3
Integral automatic bypass		Yes	Yes
Integral expansion vessel	litres	7	7
Maximum capacity of CH system	litres	120	120
Compartment ventilation required	bar	No	No
Compartment ventilation required		Yes	Yes
24hr pump exercise		Yes	Yes
Pump overrun		Yes	Yes
<b>Concentric flue systems</b>			
Concentric flue diameters	mm	60/100 and 80/125	
Standard horizontal flue kit length (ø60/100)	mm	685	685
Max equivalent length horizontal/vertical (ø60/100)	m	10	10
Max equivalent length horizontal/vertical (ø80/125)	m	20	20
Equivalent length per 135° bend	m	0.50	0.50
Equivalent length per 93° bend	m	1	1
<b>Weights</b>			
Gross packaged boiler weight	kg	30.6	30.6
Max installation lift weight	kg	28.06	28.06
Packaged boiler dimensions (WxHxD)	390mm x 700mm x 285mm		