

ProCon 16, 27, 47, 75 & 77 Gas Condensing Range.



- Wall hung gas-condensing boiler in output ranges of 16kW, 27kW, 47kW & 75kW.
- Cascadable up to 1,125kW, with integral cascade controls on the HM models.
- Combination versions available in 27kW & 47kW outputs.
- Extremely high energy efficiency with fuel engineering related efficiency of up to 109.5%.
- Additional energy savings thanks to the wide modulation range of 1:5, with flexible output adjustment to suit heating requirements.
- Extremely low emissions through the use of the modulating, low maintenance ECONOX pre-mix radiant burner.
- High-performance heat exchangers made from stainless steel guarantee excellent reliability and a long service life.
- Room sealed operation available as standard.
- Simple, uncomplicated design and easy access to all components makes assembly and servicing easier.
- 3 Year parts and labour warranty, 5 year heat exchanger warranty

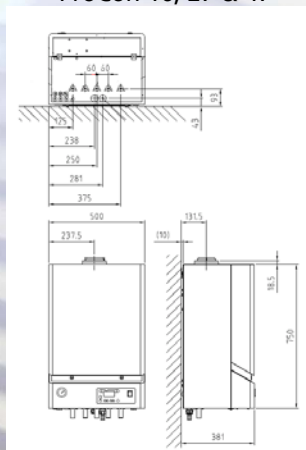
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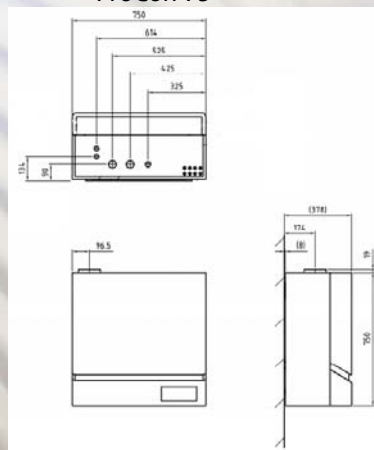
H = System Boiler, S = Combination Boiler, HS = System Boiler with integral 3 way HWS diverter valve HM = Master boiler with cascade controller.

Technical Data		Units	16 H & HS	27 H & S & HS	47 H & S	75 & 77 H & HM
Nominal Heat Input Net	Min/Max	kW	4.0/15.0	6.5/25.0	12.0/45.0	15.0/70.0
Nominal Heat Input Gross	Min/Max	kW	4.4/16.5	7.2/27.5	13.2/49.5	16.5/77.0
Carbon Emissions 100% Of max Output	G20	kgC/kWhr	0.061	0.061	0.061	0.060
	G31	kgC/kWhr	0.078	0.078	0.078	0.077
Carbon Emissions 30% Of max Output	G20	kgC/kWhr	0.055	0.055	0.055	0.055
	G31	kgC/kWhr	0.070	0.070	0.070	0.070
SEDBUK Rating			B	B	B	B
Operating Efficiency (40-C/30-C)		%	108.8	108.7	108.5	108.5
Nominal Heat Output (50-C/30-C)	Min/Max	kW	4.3/15.8	7.0/26.2	12.9/47.0	16.0/74.6
Design Flow Rate (50-C/30-C)		Ltr/sec	0.188	0.312	0.560	0.880
Nominal Heat Output (80-C/60-C)	Min/Max	kW	3.7/14.5	6.3/24.2	11.7/43.5	14.5/67.8
Design Flow Rate (80-C/60-C)		Ltr/sec	0.172	0.288	0.519	0.807
Hot Water Generation Output		kW		(31.3)	(45)	
Hot water flow rate @ DT 30-C		Ltr/min		(15)	(20)	
Min Flow Rate For H/W Activation		Ltr/min		(3)	(3)	
Minimum Flow Rate		Ltr/sec	0.125	0.246	0.373	0.592
Residual Head from In-built Pump		m/W.C	3.7	1.3	0.5	0.75
Maximum Input Gas Rate	G20	m ³ /hr	1.55	2.55	4.65	6.91
	G31	m ³ /hr	0.57	1.00	1.72	2.60
Gas Inlet Pressure	Min/Max	Mbar	18.0/50.0	18.0/50.0	18.0/50.0	18.0/50.0
Maximum Flue Gas Volume (Hot)		m ³ /hr	21.36	40.81	64.08	96.84
Available Fan Pressure		Pa	400	400	400	400
Maximum Water Pressure (Hot)		bar	3.0	3.0	3.0	3.0
Minimum Water Pressure (Cold)		bar	0.8	0.8	0.8	0.8
Maximum Flow Temperature		°C	90	90	90	90
Power Supply (230 V / 50 Hz)		Amps	5	5	5	5
Max Power Consumption		Watts	122	129	145	250
Water Content		Ltrs	4	5.2	5.2	8.2
Lift Weight (Dry)		kg	43.0	43.0	43.0	70.0

ProCon 16, 27 & 47



ProCon 75



ProCon 77



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