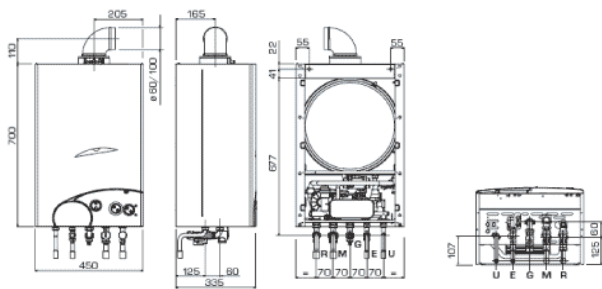




ID #	Part Number	Description	RETAIL LIST
12826	ZIP 35 BFG	Compact wall hung gas boiler for hydronic heating and Domestic Hot Water (D.H.W.) applications, 133, 800 Btu/hr	\$4,834.00

The Format.zip is Sime's latest compact wall hung gas boiler for hydronic heating and Domestic Hot Water (D.H.W.) applications. It is ideal for those who are looking for a boiler that does not only have an exceptional performance level, is aesthetically pleasing, but it also comes in a very compact package. The boiler's compact design allows it to easily fit into some of the narrowest spaces in your home with minimal maintenance required. The high technical specifications, the elegant design and the flexibility, make Sime the best choice for today's modern installations.

#### Dimensional details - Hydraulic connections



#### Technical features

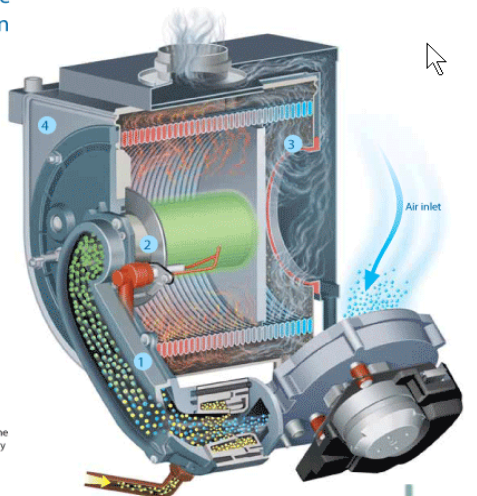
35 BF	Sealed combustion chamber		
	Natural gas	Propane	
Maximum input	kW Btu/h	39.2/ 133,800	37.3/ 127,300
Minimum input	kW Btu/h	15.7/ 53,600	17.1/ 58,400
Maximum output	kW Btu/h	33.3/ 113,700	31.7/ 108,200
Minimum output	kW Btu/h	13.3/ 45,600	14.5/ 49,600
Water content	l/USgal	8/2.1	8/2.1
Electric Power consumption	W	165	165
Maximum C.H. Pressure	bar/psi	3/43.5	3/43.5
Maximum C.H. Temperature	°C/F	85/185	85/185
Expansion vessel Water content	l/USgal	8/2.1	8/2.1
Expansion vessel Pre-charged	bar/psi	1/14.5	1/14.5
C.H. setting range	°C/F	40-80/104-176	40-80/104-176
D.H.W. setting range	°C/F	30-60/86-176	30-80/86-176
Continuous D.H.W. flow rate Δt 30°C	lpm/ USgpm	15.5/4.09	14.7/3.89
Minimum D.H.W. flow rate	lpm/ USgpm	2.4/0.63	2.4/0.63
Minimum D.H.W. pressure	bar/psi	0.5/7.3	0.5/7.3
Maximum D.H.W. pressure	bar/psi	8.6/125	8.6/125
Vent Category		I/III	I/III
Weight	kg/lb	40/88.2	40/88.2

#### Why Sime choose the condensation technology

Reduces the CO<sub>2</sub> emissions of 25% riduce del 25% le emissioni di CO<sub>2</sub> attenuating the greenhouse effect.

Reduces the NO<sub>x</sub> emissions, the main responsible for the acid rains.

Reduces the combustible expenses of 35%.



#### THE HEART OF THE DEWY TECHNOLOGY

- Air-gas premix to maximize the combustion efficiency at every output.
- Stainless steel cylindrical burner with "micro-flame" feature to reduce the production of nitrous-oxide (NO<sub>x</sub>).
- Smokes cooling and water vapour condensing to recover the heat normally wasted in a traditional boiler.
- AISI 316 LC stainless steel main exchanger to resist at the corrosive action of the acid condensate.

The isolating wall A divides the combustion chamber in two zones. In the B zone the hot smokes releases the heat to the water C circulating in the exchanger. In the D zone the smokes contact the cooler surface created by the return water from the heating system. As a result the smokes condense E releasing further heat.

