

# Appliances standards – what BSI can certify and test.

## Cooking appliances

### Household equipment

<b>BS EN 30-1-1, 2, 3, 4</b>	Domestic cooking appliances burning gas – safety	♥ CE
<b>BS EN 30-2</b>	Domestic cooking appliances burning gas – rational use of energy	CE
<b>BS EN 60335-2-6</b>	Safety of household and similar electrical cooking appliances	♥ CE
<b>BS EN 15181</b>	Energy performance of household gas ovens	
<b>BS EN 484</b>	Specification for dedicated liquefied petroleum gas appliances	♥ CE

### Commercial equipment

<b>BS EN 203-1</b>	Gas heated catering equipment – general safety requirements	♥ CE
<b>BS EN 203-2 (part 1-11)</b>	Gas heated catering equipment	♥ CE
<b>BS EN 60335-2-75</b>	Safety of commercial dispensing appliances and vending machines	♥ CE
<b>BS EN 60335-2-89</b>	Safety of commercial refrigerating appliances	♥ CE

### Overseas standards

<b>AS 4551</b>	Australian standard for gas cooking appliances	♥
<b>AS 4563</b>	Australian standard for gas heated catering equipment	♥
<b>ANSI Z21.1</b>	USA & Canadian standard for household cooking appliances	♥
<b>SANS 1539</b>	South African national standard for safety of gas appliances	
<b>NZS 5262</b>	New Zealand standard for safety of gas appliances	

## Water heating appliances

### Household

<b>BS EN 297</b>	Type B 11 and B1 1 BS gas boilers not exceeding 70kW	♥ CE
<b>BS EN 483</b>	Type C gas boilers not exceeding 70kW	♥ CE
<b>BS EN 625</b>	Domestic hot water operation of combination boilers not exceeding 70kW	♥ CE
<b>BS EN 677</b>	Condensing gas boilers not exceeding 70kW	♥ CE
<b>BS EN 15502-1</b>	Boilers, general requirements	♥ CE
<b>BS EN 15502-2-1</b>	Boilers not exceeding 1000kW	♥ CE
<b>BS EN 50465</b>	Fuel cell heating appliances	♥ CE
<b>BS 7977-2</b>	Combined fire/back boiler or circulator	♥ CE
<b>BS EN 26</b>	Gas fired instantaneous water heaters	♥ CE
<b>BS EN 89</b>	Gas fired storage water heaters	♥ CE
<b>BS EN 13203-2</b>	Gas fired water heaters – assessment of energy consumption	
<b>BS EN 304</b>	Heating boilers with atomising oil burners	CE
<b>BS EN 15034</b>	Condensing heating boilers for fuel oil	CE
<b>BS EN 15035</b>	Oil fired room sealed units up to 70kW	CE

### Commercial

<b>BS EN 303</b>	Heating boilers with forced draught gas burners	CE
<b>BS EN 676</b>	Automatic forced draught burners	CE

### Commercial – continued

<b>BS EN 656</b>	Type B boilers exceeding 70 kW, but not exceeding 300 kW	CE
<b>BS EN 13836</b>	Type B Boilers exceeding 300 kW, but not exceeding 1000kW	CE
<b>BS EN 15417</b>	Condensing boilers greater than 70kW but not exceeding 1000kW	CE

### Overseas standards

<b>AS 4560</b>	Australian standard for gas pool heaters	♥
<b>AS 4552</b>	Australian standard for gas fired water heaters hot water and / or central heating	♥

## Space heating and air conditioning appliances

### Household

<b>BS EN 509</b>	Decorative fuel effect gas appliances	♥ CE
<b>BS EN 613</b>	Independent gas fired convection heaters	♥ CE
<b>BS 7977-1</b>	Radiant / convector gas fires	♥ CE
<b>BS EN 13278</b>	Open – fronted gas fired space heaters	♥ CE
<b>BS EN 14829</b>	Gas fired flueless space heater	♥ CE
<b>BS EN 449</b>	Flueless LPG space heaters	♥ CE
<b>BS EN 778</b>	Gas fired domestic air heaters without fan not exceeding 70kW	♥ CE
<b>BS EN 1319</b>	Gas fired domestic fan-assisted air heaters	♥ CE
<b>BS EN 1196</b>	Condensing gas fired air heaters	♥ CE
<b>BS EN 60335-2-30</b>	Household electrical room heaters	♥ CE

### Commercial space heating appliances

<b>BS 5990</b>	Direct gas fired convection air heaters up to 2MW	CE
<b>BS 5991</b>	Indirect gas fired convection air heaters up to 2MW	CE
<b>BS EN 525</b>	Direct fired forced convection or heaters up to 300kW	CE
<b>BS EN 621</b>	Forced convection gas fired air heaters up to 300kW	CE
<b>BS EN 1020</b>	Fan assisted gas fired air heaters up to 300kW	CE
<b>BS EN 12669</b>	Gas fired agricultural air heaters	CE
<b>BS EN 461</b>	LPG non-domestic space heaters up to 10kW	CE
<b>BS EN 1596</b>	Mobile and portable non-domestic LPG air heaters	CE

### Commercial radiant heating appliances

<b>BS EN 416-1</b>	Gas fired overhead radiant tubes – safety	CE
<b>BS EN 416-2</b>	Gas fired overhead radiant tubes – rational use of energy	CE
<b>BS EN 419-1</b>	Gas fired overheard luminous heaters – safety	CE
<b>BS EN 419-2</b>	Gas fired overhead luminous heaters – rational use of energy	CE

### Overseas standards

<b>AS 4553</b>	Australian standard for gas fired room heating appliances	♥
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## Leisure appliances

<b>BS EN 521</b>	Portable vapour pressure gas appliances	 
<b>BS EN 498</b>	LPG gas barbecues for outdoor use	 
<b>BS EN 484</b>	Independent LPG hotplates for outdoor use	 
<b>BS EN 15033</b>	LPG storage water heaters for vehicles and boats	 
<b>BS EN 624</b>	LPG heaters for vehicles and boats	 
<b>BS EN 14543</b>	Flueless gas fired patio heaters	 
<b>BS EN 1860-1</b>	Charcoal barbecues	

## Overseas standards

<b>AS 4557</b>	Australian standard for gas fired barbecues	
<b>AS 2658</b>	Australian standard for mobile and portable LPG appliances	
<b>SANS 1539</b>	South African national standard for safety of gas appliances	
<b>NZS 5262</b>	New Zealand Standard for safety of gas appliances	

## Other appliances

<b>BS EN 1458-1</b>	Household gas fired tumble dryers – gas safety	 
<b>BS EN 732</b>	LPG gas absorption refrigerators	 
<b>BS EN 12752-1</b>	Commercial gas fired tumble dryers – safety	
<b>BS EN 60335-2-11</b>	Household and similar electrical washing machines	 
<b>BS EN 60335-2-24</b>	Household and similar electrical refrigerating, ice-creams appliances and ice makers	 
<b>BS EN 50564</b>	Electrical and electronic household and office equipment. Measurement of low power consumption	

## Overseas standards

<b>AS 4555</b>	Australian standard for gas fired refrigerators	
<b>AS 4554</b>	Australian standard for gas fired tumble dryers	

## Controls and ancillary items

### Safety related electronic controls

<b>BS EN 298</b>	Burner control systems for gas appliances	 
<b>BS EN 12067-2</b>	Electronic gas/ air ration controls	 
<b>BS EN 60730-1</b>	Controls for household electrical appliances – General	
<b>BS EN 60730-2-9</b>	Temperature sensing controls or household electrical appliances	 
<b>BS EN 14459</b>	Electronic control systems used in gas appliances	 
<b>AS 4625</b>	Australian standard for electronic flame safeguards	

### Safety related electronic controls – continued

<b>ANSI Z21.20</b>	USA standard for automatic gas ignition systems	
<b>ISO 23550</b>	Automatic burner control systems	
<b>ISO 23552-1</b>	International standard – gas/air ration controls for gas/oil appliances	

### Gas-carrying controls

<b>BS EN 331</b>	Manually operated ball valves	 
<b>BS 1552</b>	Taper plug valves	
<b>BS EN 161</b>	Automatic shut-off valves for gas appliances	 
<b>BS EN 88</b>	Pressure regulators for gas appliances	 
<b>BS EN 126</b>	Multi-functional controls for gas appliances	 
<b>BS EN 125</b>	Flame supervision devices for gas appliances	 
<b>BS 6047 Part 1</b>	Flame supervision devices for gas appliance	
<b>BS EN 1106</b>	Gas taps for gas appliances	 
<b>BS EN 13611</b>	Safety and control devices intended for use in gas appliances	 
<b>BS EN 257</b>	Mechanical thermostats for gas burning appliances	 
<b>BS EN 12864</b>	LPG low pressure regulators	 
<b>BS EN 60335-2-102</b>	Gas, oil and solid-fuel burning appliances having electrical connections	 
<b>AS 4617</b>	Australian standard for manual shut-off valves	
<b>AS 4629</b>	Australian standard for automatic shut-off valves	

### Ancillaries related to gas appliances

<b>BS EN 1856</b>	Metal chimneys	
<b>BS EN 14471</b>	Plastic chimneys for gas appliances	
<b>BS EN 13502</b>	Masonry flue blocks and terminals	
<b>BS EN 15069</b>	Safety gas connections for metal hose assemblies	 
<b>BS EN 14800</b>	Corrugated metal hose assemblies	 
<b>BS 669 parts 1 and 2</b>	Flexible hoses, end fittings, and sockets for gas appliances	
<b>BS EN 15266</b>	Corrugated stainless steel flexible tubing used for gas supply	

### Meters and monitors

<b>BS EN 50291</b>	Electrical apparatus for the detection of carbon monoxide in domestic premises	
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Key:  BSI Kitemark available on this standard

 CE marking is available on this standard



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