

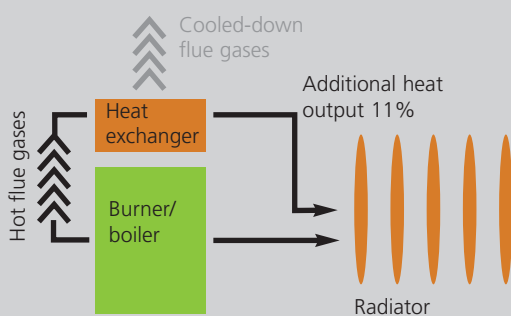


COMFORTLINE

GAS CONDENSING BOILERS FOR HEATING AND HOT WATER

Gas condensing boilers combine energy-saving properties with maximum user convenience. Gas condensing combi-boilers with innovative control technology assure a pleasant temperature in every room and at every time of year. What is more, the appliances' flexible modular design allows tank-type water heaters to be connected up. Gas condensing-boiler centres that already integrate stratification cylinders allow for prompt supply of hot water. The use of high-quality stainless steel for the boilers guarantees a lengthy operating life.

- Extensive selection of appliances covering a very wide range of requirements
- High standard utilisation ratio of 110 %
- High modulation range of rated heat output
- Room-vented and non-room-vented operation
- Electronic control technology for optimum energy yield
- Emissions well below EnEV limit values
- Extremely maintenance-friendly design



Condensing boiler technology

Condensing boiler appliances use the energy present in the flue gases. They do this by cooling down the relatively hot flue gases to below 47° C, causing the water vapour in the flue gas to condense. The heat of condensation released in the process is turned to the heating circuit by means of a heat exchanger. Condensing boiler technology is very often applied gas fired boilers, but is also increasingly integrated to oil fired boilers. However, gas condensing boilers operate more effectively and boost the boiler's standard utilisation ratio by 11 %.



A Product of

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Gas condensing boilers

Model range	CGB -11, -20, -24, -35, -50, -75, -100	CGB-K -20, -24, 40-35
Application	Heating*	Heating, hot water
Rated heat output 80/60° (kW)	10,0 - 91,9**	19 - 39
Rated heat output 50/30° (kW)	10,9 - 98,9	20,0 - 35
Max. total overpressure (bar)	3,0 - 6,0	3,0
Max. flow temperature (°C)	90	90
Hot-water throughflow volume (ltr./min.)	-	2,0 - 12,0
Hot-water temperature range, variable (°C)	-	40 - 60
Exhaust-gas mass flow rate (g/s)	4,7 - 43,5	8,9 - 18
Condensate volume 50/30° (ltr/h)	1,2 - 9,8	2,4 - 4,4
Gross weight (kg)	42 - 92	45 - 48
Electrical connection	230 V / 50 Hz	

Gas condensing boiler centres

Model range	CGW -20/120, -24/120	CGS -20/160, -24/200
Application	Heating*	Heating, hot water
Rated heat output 80/60° (kW)	19.0 - 27.6**	19.0 - 27.6
Rated heat output 50/30° (kW)	20.5 - 24.8	20.5 - 24.8
Max. total overpressure (bar)	3.0	3.0
Max. flow temperature (°C)	90	90
Rated content of stratification cylinder (ltr.)	50/ 120 resp. 140	90/ 160 resp. 200
Hot-water throughflow volume (ltr./min.)	150 - 171	199 - 216
Hot-water temperature range, variable (°C)	15 - 65	15 - 65
Exhaust-gas mass flow rate (g/s)	2.0 - 2.4	2.0 - 2.4
Condensate volume bei 50/30° (ltr/h)	8.9 - 13.0	8.9 - 13.0
Gross weight (kg)	70	90
Electrical connection	230 V / 50 Hz	

* Connection option for tank-type water heater, e.g. CSW -120, 115 litres

**Figures depend on the individual model; the minimum and maximum values are quoted



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