

Cascade

ATAG



ATAG

- Q High reliability
- Q High-energy savings
- Q Easy to install
- Q Small surface area needed
- Q Low maintenance costs
- Q Fully modulating
- Q Environmentally friendly installation
- Q A complete solution
- Q Compact with a high efficiency

ATAG

Cascade

Compact with a high efficiency

ATAG

To bring a building up to temperature takes far more power than maintaining the temperature of a building. To meet this requirement a flexible heat producer is necessary. ATAG manufactures condensing boilers that have the highest modulation range. Through this modulation range, ATAG can satisfy quickly changing heat requirements.

Compact, efficient and reliable

With a heat requirement of more than 60kW, a cascade is the solution. In a cascade, multiple boilers are connected to each other. By doing this, a reliable, compact and highly efficient, installation is made. The available power output can be taken far above 500kW.



Space saving

The Cascade system can be installed in various ways. Due to the hydraulic system the Cascade can be installed on one wall, several walls, or back-to-back. This way it is always a space saving solution.

Optimum controls

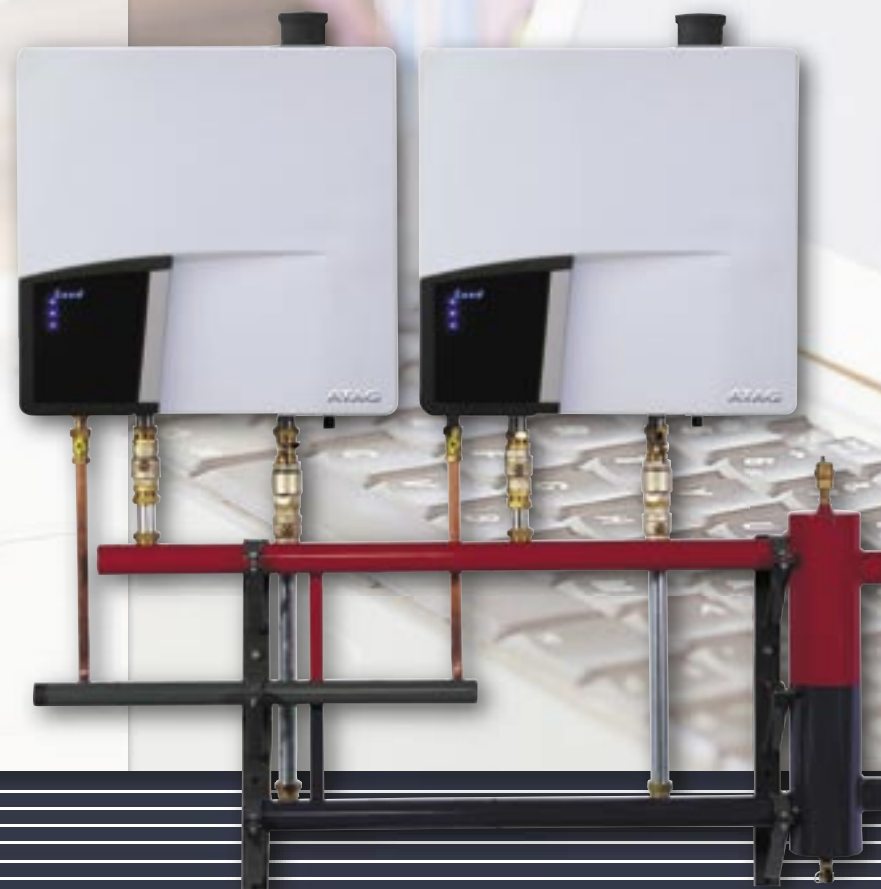
In cascade installations, Q51S and Q60S boilers are used. These boilers owe part of their super high efficiency to modulating techniques. To put this to full use the ATAG Cascade controller is used to control the boilers. This controller equally modulates the heat requirements of the installation at the highest possible efficiency.

Domestic Hot Water.

The cascade system can also be used as a separate solution for the provision of domestic hot water. Not only can you choose an indirect fired cylinder but also a solar system, which will increase your gas savings.

ATAG Cascade in a row

- High reliability -
if one of the boilers has an error the others keep on working.
- Large energy savings
- Easy to install
- Small surface area needed
- Low maintenance costs
- Fully modulating
- Environmentally friendly installation
- A complete solution
 - ATAG boilers
 - Hydraulic system
 - Flue gas and air intake system
 - Controls



Input	Number of ATAG Q-boilers	Hydraulic system	PP Overpressure flue gas system (Open system) Room sealed: see documentation Multipass	Cascade- / zone controller	Options
120kW	2	HCC2019U	DCA2004U		
180kW	3	HCC3019U	DCA3004U		
240kW	4	HCC4019U	DCA4004U	MadQ23BC	AA1MQ05U
300kW	5	HCC4019U ALC1004U	DCA5004U	Built-in set 23BC	AA1IQ05U
360kW	6	HCC4019U ALC2004U	DCA6004U	Outside sensor	ARV1215U
420kW	7	HCC4019U ALC3004U	DCA3004U+ DCA4004U		Error module
480kW	8	HCC4019U 2x ALC2004U	DCA4004U + DCA4004U		

Overview standard Cascade system with direct zone and mixing zone.

Easy

Cascade installations replace large boilers so that it is easy to control the temperature of a building by wing or floor. The total required power can be divided over several decentralized installations. It uses less energy to heat every unit separately, and the installation becomes easier to install and more orderly.



ATAG Cascade, The complete solution.



Q boilers

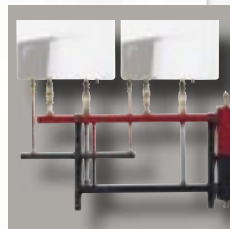
The heart of the complete solution is formed by the ATAG Q condensing boilers, which can modulate between 16 and 100%. These boilers guarantee a super high efficiency of 109.3 % nett. The boilers with the highest output the Q60S has a power of 57,5kW. ATAG boilers are low maintenance.



Q60S

Hydraulic system

ATAG supplies a complete hydraulic system. Several installation solutions are possible and the pipe work can be cut to demand. Of course, isolation valves and non-return valves are provided for the flow and return. The gas line and gas isolation valves are also part of the delivery.



HCC hydraulic system

Flue gas and air intake system

The flue gas system of the boilers can be done individually or through a common duct. The ATAG Multipass overpressure flue gas system gives extra solutions due to the smaller diameters.



Multipass overpressure flue gas system

Controls

To control the boilers in the optimum way, ATAG has a MADQ Cascade controller that is capable of communicating with the boilers. This makes it possible for the boilers to modulate equally so that unnecessary switching on and off of the boilers is prevented. This guarantees high comfort at low energy costs.



MadQ controller

Your ATAG consultant:



We could tell you a lot more about the new ATAG Q but the ultimate pleasure of this new heart for your home can only be experienced by having your fitter install an ATAG Q. Look at www.atagheating.co.uk to find a dealer in your neighbourhood.

