

AMC Pro Evo Wall-hung gas condensing boilers



Compact and agile solutions for commercial systems

De Dietrich 

AMC Pro Evo

for a commercial system with increased performance

Savings, performance,
and above all comfort



- **High efficiency with simplified installation:** operates with a ΔT up to 45°C across its heat exchanger, eliminating the need for a low-loss header or primary pumps - **reducing both energy consumption and installation costs**, especially in cascade configurations.



- The AMC Pro Evo is already compatible with up to **20% hydrogen** as standard, ensuring a future-proof solution for evolving energy sources. Our industry moves from Natural gas to blend and even new gasses.



- Alone or in a hybrid system with a heat pump or solar installation, AMC Pro Evo reduces **CO2 emissions and energy costs**.



- **Optimized Condensation Technology:** utilizes an aluminum-silicon heat exchanger for superior heat transfer, corrosion resistance, and recyclability - maximizing condensing operation hours and energy efficiency with no return temperature constraints.

One control panel for all situations:



- Multi-circuit management and domestic hot water.
- Cascade function is standard on all models.
- Programmable multi-function input/output.

Fully Integrable with Building Management Systems (BMS):



- By supporting **Modbus**, **BACnet***, and **0-10V analog communication**, the AMC Pro Evo aligns with the decree's requirements—making it easier to integrate into compliant energy management systems and helping buildings meet regulatory standards, that help reduce energy consumption and CO2 emissions.



- Standard 0-10 V input included, enabling analog communication for seamless integration and control within advanced BMS environments.

*Building Automation and Control Systems decree



Hydrogen 20%



Compact dimensions: 500 mm wide and 750 mm high

Silent, noise level from 46,7 dB(A)

High performances, $\Delta T = 45^{\circ}\text{C}$

Cascade installation, up to 8 generators

Retro-compatibility guaranteed: can be integrated into an Evodens Pro cascade

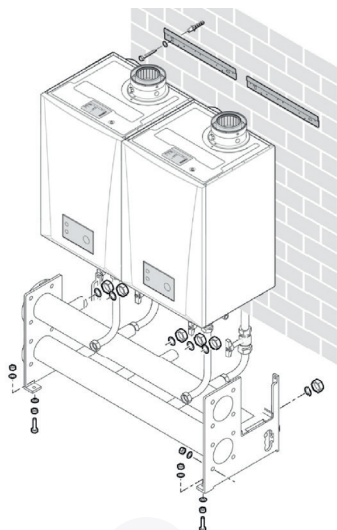
A solution for every situation

AMC Pro Evo was developed especially for commercial systems. Indeed, AMC Pro Evo is easily integrated thanks to our two ranges of prefabricated cascade kits with 2 to 8 boilers. You can choose between our wall-hung alignment «LW» kits, floor-standing alignment «LV» kits or back to back alignment «RG» kits.

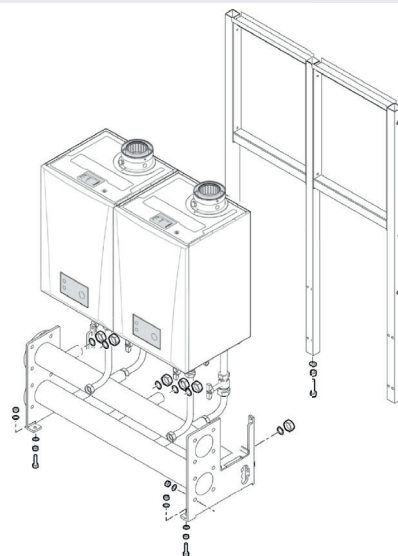
Guaranteed time and space savings: less than 1.2 metres for a 2-boiler cascade.

Our kits are equipped with the essential hydraulic components to create a cascade installation from 70 to 460 kW, all with a high-quality finish.

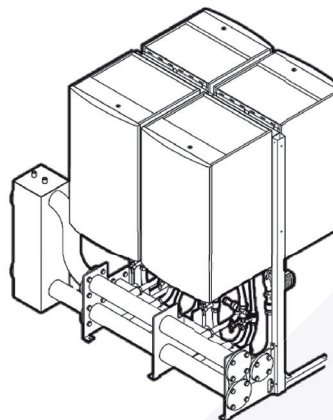
WALL-HUNG ALIGNMENT «LW»



FLOOR-STANDING ALIGNMENT «LV»



BACK TO BACK ALIGNMENT «RG»



- Our hydraulic kits can be equipped with high-quality black expanded insulation shells.
- AMC Pro Evo is equipped with a non-return valve, so no additional components are required for a B23p cascade installation.
- Plug & Play system for quick and efficient electrical connection of the cascade.



Plug&Play system

The control panel delivered fully equipped suitable for any system



DIEMATIC EVOLUTION

all options and adaptable to any system

AMC PRO EVO boilers are equipped with DIEMATIC EVOLUTION control panel.

As standard, DIEMATIC EVOLUTION can manage:

- Until 2 circuits with mixing valves
- DHW production with 1 or 2 sensors
- Storage tank
- Until 8 boilers in cascade: one and the same panel for the master boiler and the slave boilers,
- Integration into hybrid systems with bus communication, particularly with our MMTC and MHTC heat pumps
- 2 programmable multifunction inputs and 1 outlet:
Input : heater demand, blocking, gas pressure switch
Outlet : pump, stop valve, external gas valve
- Alarm transmission
- 0-10V input,

By connecting options:

- Management of 3 mixing valves
- Communication ModBus or BacNet for GTC/GTB



Control panel
**DIEMATIC
EVOLUTION**

Easy maintenance

of the boiler room



- Internal components can be easily accessed **by removing the front panel**.
- The **siphon is accessed from the outside**, saving time during maintenance.
- **Yellow Touch** for quick identification of parts to be handled.
- Design conceived for **optimised intervention**: access to the main components without prior dismantling.
- **Saving of setting parameters.**
- «**De Dietrich Service Tool**» application can be connected locally via Bluetooth.



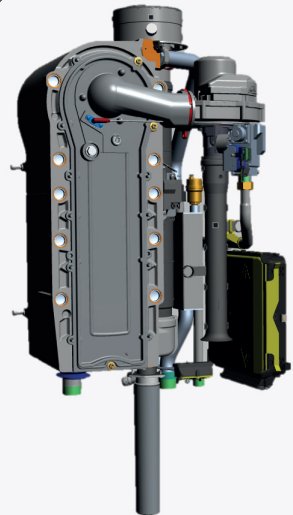


Condensing for better energy operation



Aluminium/silicone alloy: a perfect composition for optimised generator operation

- High resistance to corrosion thanks to auto-passivation on the surface.
- Aluminium is an excellent heat conductor (5 times better than steel).
- Operation up to a ΔT of 45°C, thus increasing the number of hours in condensation mode for superior performance.
- No return temperature constraints: heat exchange is optimised.
- Flow proportional to power: limits boiler return temperatures.
- Condensing, ****CE classification according to European Directive 92/42 EEC.
- ECO-friendly material: can be recycled endlessly.



Your heating project

let us guide you according to your needs



AMC PRO EVO MODELS			35	45	65	90	115
TECHNICAL FEATURES							
Heating performance						-	-
Useful heating output	- 100 % P _n at av. temp. 70°C	kW	33	40	61	84	104
	- intermediate at 30% Q _{nom} (1)	kW	11,1	13,4	20,2	27,9	34,7
Nominal output(50/30°C)		kW	35	42,4	65	89,5	109,7
Efficiency in % LCV at ...% load	- 100 % P _n at av. temp. 70°C	%	97,5	97,2	98,3	97,9	97,1
	- 30 % P _n at return temp. 30°C	%	108,4	108,4	108,9	108,1	108
Seasonal energy efficiency: product Etas (without control system)		%	92	93	93	-	-
Shutdown losses at Δ T = 30K		W	101	101	110	123	123
Electrical output of auxiliaries (exc. circulating pump) at Q _{nom}		W	49	71	83	111	169
Electrical output of auxiliaries in standby		W	4	4	4	4	4
Pressure available at flue gas outlet		Pa	80	150	100	160	220
Water content		l	4,3	4,3	6,4	9,4	9,4
Weight (empty)		kg	61	61	67	76	77

(1) Q_{nom} = nominal heat output

Your installer



BDR THERMEA FRANCE

S.A.S. with corporate capital of 229 288 696 €

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