

ADVANCE



NEW



### Evodens

AMC 15, 25, 35 from 3.4 to 35.9 kW



DIEMATIC Evolution regulation



Wall-hung gas condensing boiler, equipped to operate on natural gasses

- Low pollutant emissions
- Molded cast alloy aluminium/silicium exchanger
- Gas premix burner in stainless steel modulating from 22 to 100% of output, with non return valve to operate on a collective flue system
- Boiler equipped with: brass hydraulic module, mounting frame with prefitted water and gas valves allowing an automatic filling, a modulating pump, 3 bar safety valve, 12 litre expansion vessel (no vessel on AMC 35) heating/DHW reversal valve, automatic air vent.

- Control panel DIEMATIC Evolution with outdoor sensor (see regulation options on following pages)
- Packaging: 1 package (without air/flue gas terminal)

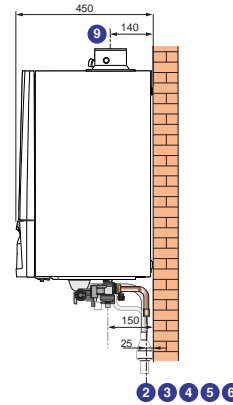
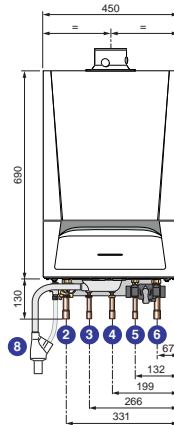
N° CE 0063CR3604

OPTIONS: see following pages/ FLUE SYSTEMS: see chapter 16

### MAIN DIMENSIONS (mm and inches)

	AMC...	AMC.../ BS 60	AMC.../ BS 130
② Heating flow Ø (mm)	22 int.	22 int.	22 int.
③ Primary tank outlet Ø (mm) (1)	16 int.	-	-
④ Gas inlet Ø (mm)	18 int.	18 int.	18 int.
⑤ Primary tank return Ø (mm) (1)	16 int.	-	-
⑥ Heating return Ø (mm)	22 int.	22 int.	22 int.
⑧ Condensates drain (run-off collector delivered) PVC Ø (mm) to besticked	32	32	32
⑨ Evacuation of combustion products and air inlet pipe Ø (mm)	60/100	60/100	60/100
⑩ DHW outlet	-	R 3/4"	R 3/4"
⑪ Domestic cold water inlet	-	R 3/4"	R 3/4"

(1) If connecting a DHW independent calorifier



AMC\_F001

### TECHNICAL SPECIFICATIONS

#### Condensing

Max. operating temperature: 90°C  
Max. operating pressure: 3 bar

• Safety thermostat: 110°C  
• Power supply: 230 V/50 Hz/6A

• Protection index: IP X5D  
• NOx classification: 6

• Classification: B<sub>33x</sub>, B<sub>23x</sub>, B<sub>23P</sub>, C<sub>13x</sub>, C<sub>33x</sub>, C<sub>93x</sub>, C<sub>53x</sub>, C<sub>43x</sub>, C<sub>83x</sub>, C<sub>(10)3x</sub>, C<sub>(12)3x</sub>

### MODEL

	AMC	15	25	35	
Useful output at 50/30°C Pn (heating mode)	kW	3.4-15.8	5.6-25.5	7.0-35.9	
Efficiency at ...% output and ...°C water temperature	%	- 100% Pn at average temp. 70°C	99.3	99.2	99.1
		- 100% Pn at return. temp. 30°C	110.2	110.1	110.6
Seasonal space heating energy efficiency (without contribution of regulation)	%	94	94	95	
Seasonal space heating energy efficiency (with outdoor sensor)	%	96	96	97	
Water flow at ΔT = 20 K	m <sup>3</sup> /h	0.62	1.04	1.45	
Mini/max. useful output at 80/60°C	kW	3.0-14.9	5.0-24.8	7.0 - 34.5	
Manometric height avail. heating circuit	mbar	585	355	231	
Water content	l	1.7	1.7	2.3	
Gas flow at Pn (15°C, 1013 mbar)	m <sup>3</sup> /h	- natural gas H	1.59	2.65	3.71
		- propane	0.61	1.02	1.44
Max. flue gas mass flow rate	kg/h	25.2	42.1	57.3	
Flue gas pressure available	Pa	80	120	140	
Net weight	kg	45	45	41	

### MODEL

	AMC	15	25	35
Boiler	Package	HR128	HR129	HR130
	Ref.	7670367	7670368	7670369



### Evodens

AMC../BS 60 from 3.4 to 35.9 kW

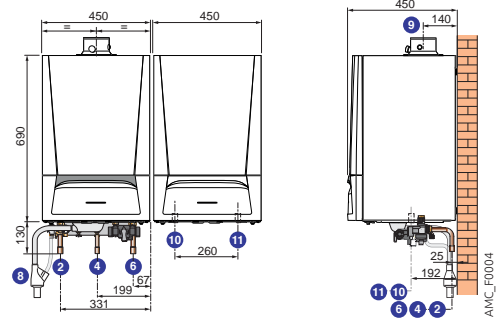


Enamelled 60 litre DHW calorifier placed to the right or the left of the boiler, protection by "Titan Active System®" (anode without consumption of material)

- Boiler/tank connecting pipe included
- DHW sensor delivered
- Packaging: 3 packages



Protection of the DHW calorifier by "Titan Active System"



NOTA: the boiler/tank connecting kit is provided, but is not represented

#### MODEL

	AMC	15 + BS60	25 + BS60	35 + BS60
Boiler	Package HR128 Ref. 7670367	Package HR129 Ref. 7670368	Package HR130 Ref. 7670369	
Calorifier BS60	Package EE75 Ref. 7676238	Package EE75 Ref. 7676238	Package EE75 Ref. 7676238	Package EE75 Ref. 7676238
Connecting pipe boiler/calorifier	Package EA138 Ref. 100013746	Package EA138 Ref. 100013746	Package EA138 Ref. 100013746	Package EA138 Ref. 100013746



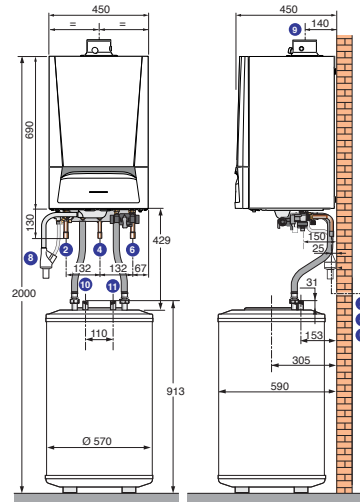
### Evodens

AMC../BS 130 from 3.4 to 35.9 kW



Enamelled 130 litre DHW calorifier placed under the boiler with protection by magnesium anode

- Boiler/tank connecting pipe included
- DHW sensor must be ordered
- Packaging: 3 packages



#### MODEL

	AMC	15 + SRB130	25 + SRB130	35 + SRB130
Boiler	Package HR128 Ref. 7670367	Package HR129 Ref. 7670368	Package HR130 Ref. 7670369	
Calorifier SRB130	Package EE81 Ref. 7681039	Package EE81 Ref. 7681039	Package EE81 Ref. 7681039	Package EE81 Ref. 7681039
Connecting pipe boiler/calorifier	Package EA137 Ref. 100013532	Package EA137 Ref. 100013532	Package EA137 Ref. 100013532	Package EA137 Ref. 100013532
DHW sensor	Package AD212 Ref. 100000030	Package AD212 Ref. 100000030	Package AD212 Ref. 100000030	Package AD212 Ref. 100000030

Nota: dimensions and legends, see opposite.

#### TECHNICAL SPECIFICATIONS

Max operating pressure DHW: 10 bar

#### MODEL

	AMC	15/BS 60	25/BS 60	35/BS 60	15/BS 130	25/BS 130	35/BS 130
Energy efficiency class (DHW)		A	A	A	B	A	A
Nominal output at 50/30°C	kW	3.4-15.8	5.6-25.5	7.0-35.9	3.4-15.8	5.6-25.5	7.0-35.9
Seasonal space heating energy efficiency (without contribution of regulation)	%	94	94	95	94	94	95
Seasonal space heating energy efficiency (with outdoor sensor)	%	96	96	97	96	96	97
DHW calorifier capacity	l	57.3	57.3	57.3	125	125	125
Exchanged power	kW	14.9	22	25	14.9	24	25
Flow over 10 min at ΔT = 30 K	L/10 min	125	145	150	200	200	200
Flow per hour at ΔT = 35 K	L/h	355	540	615	355	590	615
Specific rate at ΔT = 30 K (compliance with EN 13203-1)	L/min	12.5	14.5	15	20.0	20	20
Coefficient of heat losses	W/K	1.03	1.03	1.03	1.28	1.28	1.28
Net weight	kg	86	86	88	101	101	103

DHW performances at room temperature 20°C, cold water temp. 10°C, primary hot water temp. 80°C, storage temp. 60°C

# GAS

WALL-HUNG GAS CONDENSING BOILER, FOR HEATING AND DHW PRODUCTION WITH INTEGRATED CALORIFIER

ADVANCE



NEW



## Evodens

AMC 25/28 BIC, 25/39 BIC from 5.6 to 25.5 kW

**point**  
Automatic filling  
Brass hydraulic body  
DIEMATIC Evolution regulation  
Compact  
Specific hot water flow 24 l/min



Wall-hung gas condensing boiler, equipped to operate on natural gasses

- Low pollutant emissions
- Molded cast alloy aluminium/silicium exchanger
- Gas premix burner in stainless steel modulating from 22 to 100% of output, with non return valve to operate on a collective flue system
- Boiler equipped with:
  - Brass hydraulic module body, mounting frame with prefitted water and gas valves allowing an automatic filling, a modulating pump, 3 bar safety valve, 12 litre expansion vessel (no vessel on AMC 35) heating/DHW reversal valve, automatic air vent.

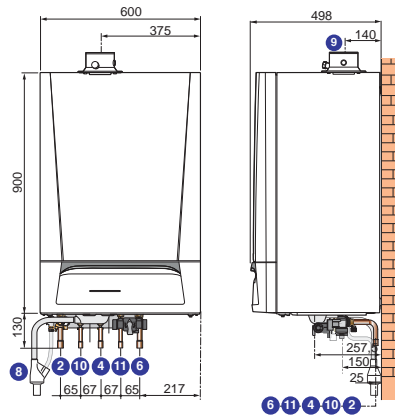
- Control panel DIEMATIC Evolution with outdoor sensor (see regulation options on following pages)
- DHW tank comprising 3 interconnected fully insulated stainless steel stratification tanks, combined with a plate exchanger and a load pump, with a total capacity of 40 litre, integrated in the boiler.
- DHW expansion vessel delivered
- Boiler/tank connecting pipe and DHW sensor delivered
- **Packaging:** 1 package

N° CE 0063CR3604

**OPTIONS:** see following pages/ **FLUE SYSTEMS:** see chapter 16

### MAIN DIMENSIONS (mm and inches)

- ② Heating flow Ø 22 mm int.
  - ④ Gas inlet Ø 18 mm int.
  - ⑥ Heating return Ø 22 mm int.
  - ⑧ Condensates drain (run-off collecteur deliverred) PVC Ø 32 mm to besticked
  - ⑨ Evacuation of combustion products and air inlet pipe Ø 60/100 mm
  - ⑩ DHW outlet Ø 16 mm int.
  - ⑪ Domestic cold water inlet Ø 16 mm int.
- R: Threading



### TECHNICAL SPECIFICATIONS

#### Condensing

Max. operating temperature: 90°C	• Safety thermostat: 110°C	• Protection index: IP X4D	• Classification: B <sub>33x</sub> , B <sub>23x</sub> , B <sub>23P</sub> , C <sub>13x</sub>
Max. operating pressure: 3 bar	• Power supply: 230 V/50 Hz/6A	• NOx classification: 6	C <sub>33x</sub> , C <sub>93x</sub> , C <sub>53</sub> , C <sub>43x</sub>
			C <sub>83x</sub> , C <sub>(10)3x</sub> , C <sub>(12)3x</sub>

### MODEL

	AMC	25/28 BIC	25/39 BIC
Useful output at 50/30°C Pn (heating mode)	kW	5.6-25.5	7.9-24.5
Nominal output at 80/60°C (DHW mode)	kW	5.0-28.6	7.1-39.7
Efficiency at ...% output and ...°C	{ - 100 % Pn at average temp. 70°C - 30 % Pn at return temp. 30°C	%	99.2
water temperature ...°C		%	110.1
Seasonal space heating energy efficiency (without contribution of regulation)	%	94	94
Seasonal space heating energy efficiency (with outdoor sensor)	%	96	96
Manometric height available heating circuit at Pn	mbar	355	355
Water content	L	1.8	2.4
Stand by losses at ΔT = 30 K	W	71	71
Auxiliary electrical power (ex. heating pump) at Pn	W	84	92
Electrical power heating pump	W	40	43
Electrical power at zero load	W	5	5
Useful output at 80/60°C mini/maxi	kW	5.0-24.8	7.1-23.8
Flue gas pressure available	Pa	130	160
DHW calorifier capacity	L	40.5	40.5
Exchanged power	kW	28.6	39.7
Flow over 10 min at ΔT = 30 K	l/10 min	200	240
Specific rate at ΔT = 30 K (compliance with EN 13203-1)	l/min	20*	24*
Flow per hour at ΔT = 35 K	l/h	746	1236
Net weight	kg	74	69

DHW performances at room temperature 20°C, cold water temp. 10°C, primary hot water temp. 80°C, storage temp. 85°C

\* Certification in progress

### MODEL

	MCA	25/28 BIC	25/39 BIC
Boiler	Package	HR132	HR133
	<b>Ref.</b>	<b>7670371</b>	<b>7670372</b>

ADVANCE



NEW



### Evodens

AMC 25/28 MI from 5.6 to 25.5 kW

**point**  
Automatic filling  
Brass hydraulic body  
DIEMATIC Evolution regulation  
Compact  
Specific hot water flow 24 l/min



Wall-hung gas condensing boiler, equipped to operate on natural gasses

- Low pollutant emissions
- **Molded cast alloy aluminium/silicium exchanger**
- Gas premix burner in stainless steel modulating from 22 to 100% of output, with non return valve to operate on a collective flue system
- **Boiler equipped with:** brass hydraulic module body, mounting frame with prefitted water and gas valves allowing an automatic filling, a modulating pump, 3 bar safety valve, 12 litre expansion vessel (no vessel on AMC 35) heating/DHW reversal valve, flange

plate heat exchanger to produce DHW, automatic air vent.

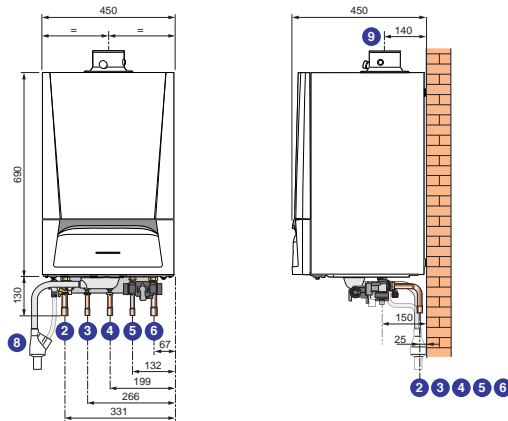
- **Control panel DIEMATIC Evolution** with outdoor sensor (see regulation options on following pages)
- **Packaging:** 1 package

N° CE 0063CR3604

**OPTIONS:** see following pages/ **FLUE SYSTEMS:** see chapter 16

### MAIN DIMENSIONS (mm and inches)

- ② Heating flow Ø 22 mm int.
- ③ DHW outlet Ø 16 mm int.
- ④ Gas inlet Ø 18 mm int.
- ⑤ Domestic cold water inlet Ø 16 mm int.
- ⑥ Heating return Ø 22 mm int.
- ⑧ Condensates drain (run-off collecteur delivered) PVC Ø 32 mm to besticked
- ⑨ Evacuation of combustion products and air inlet pipe Ø 60/100 mm



### TECHNICAL SPECIFICATIONS

#### Condensing

Max. operating temperature: 90°C  
Max. operating pressure: 3 bar

• Safety thermostat: 110°C  
• Power supply: 230 V/50 Hz/6A

• Protection index: IP X4D  
• NOx classification: 6

• Classification: B<sub>33x</sub>, B<sub>23x</sub>, B<sub>23P</sub>, C<sub>13x</sub>, C<sub>33x</sub>, C<sub>93x</sub>, C<sub>53</sub>, C<sub>43x</sub>, C<sub>83x</sub>, C<sub>(10)3x</sub>, C<sub>(12)3x</sub>

### MODEL

	AMC	25/28 MI
Useful output at 50/30°C Pn (heating mode)	kW	5.6-25.5
Nominal output at 80/60°C (DHW mode)	kW	5.0-28.6
Efficiency at ...% output and ...°C	%	99.2
water temperature ...°C	%	110.1
Seasonal space heating energy efficiency (without contribution of regulation)	%	94
Seasonal space heating energy efficiency (with outdoor sensor)	%	96
Water flow at ΔT = 20 K	m³/h	1.04
Min./Max. useful output at 80/60°C	kW	5.0-24.8
Manometric height avail. heating circuit*	mbar	355
Water content	l	1.7
Gas flow at Pn	m³/h	2.96
(15°C, 1013 mbar)	m³/h	1.15
Max flue gas mass flow rate*	kg/h	47.1
Flue gas pressure available*	Pa	130
Exchanged power	kW	28.6
Specific rate at ΔT = 30 K (compliance with EN 13203-1)	l/min	14
Min. pressure for a flow of 11 l/min	bar	1.3
Net weight	kg	44

DHW performances at room temperature: 20°C, cold water temp.: 10°C, primary hot water temp.: 85°C  
\* at 28.6 kW

### MODEL

	AMC	25/28 MI
Boiler	Ref.	7670370

# OPTIONS

FOR AMC...

## ACCESSORIES

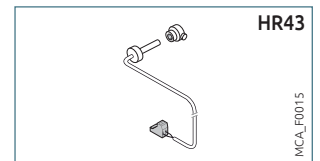
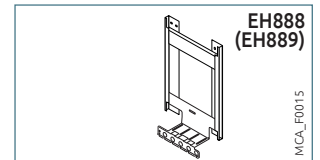
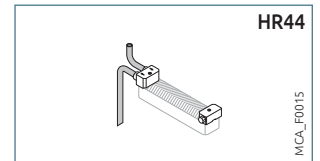
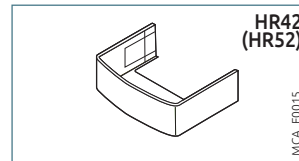
	PACKAGE	REF.
Stand-off frame (all models except AMC... BIC)	EH888	<b>7685120</b>
Stand-off frame for AMC 25/28 BIC	EH889	<b>7685121</b>
Pipe kit for stand-off frame	HR40	<b>S100935</b>
Pipe cover (all models except AMC... BIC)	HR42	<b>S100676</b>
Pipe cover AMC 25/28 BIC	HR52	<b>S101205</b>
Flue gas thermostat (all models except AMC... BIC)	HR43	<b>S100310</b>
Flue gas thermostat AMC 25/28 BIC	HR53	<b>S101232</b>
Cleaning tool plate exchanger (AMC 25/28 MI)	HR44	<b>S100761</b>
Cleaning tool boiler body	HR45	<b>S100931</b>
Neutralisation station DN1	SA1	<b>7613605</b>
Wall bracket for neutralisation station DN1	SA2	<b>7613606</b>
Neutralisation granules 10 kg *	-	<b>94225601</b>
Decoupling cylinder 60/60-1"	GV45	<b>100019346</b>
Hydraulic module with pump with energy efficiency index EEI < 0.23:		
• for 1 direct circuit	EA143	<b>100020167</b>
• for 1 circuit with valve	EA144	<b>100020168</b>
Insulated collector for 2 or 3 modules	EA140	<b>100020164</b>
Console for 1 hydraulic module	EA142	<b>100020166</b>
Set of consoles for collector	EA141	<b>100020165</b>
G in R connection kit (1" and 3/4")	BH84	<b>89557009</b>
Adapter biflow 2 x 80 mm	DY868	<b>100005825</b>
Adapter Ø 80/125 mm	HR38	<b>S100465</b>
Boiler connecting kit of over pressured collection flue system	DY887	<b>100014000</b>
Compact, 2 circuit hydraulic module with 2 modulating pumps with energy efficiency index EEI < 0.23	MT12	<b>7616233</b>
Compact, 2 circuit hydraulic module with 1 modulating pumps with energy efficiency index EEI < 0.23	EA145	<b>100020169</b>

\* To order at the spare parts department



## DHW PRODUCTION

	PACKAGE	REF.
• 40 litre DHW integrated calorifier		see previous pages
• 60 litre DHW calorifier juxtaposed or 130 litre DHW calorifier placed under the boiler AMC		see previous pages
• Instant of model AMC... MI		see previous pages
• Independent calorifier		see chapter 10
• Solar calorifier		see chapter 12
DHW sensor	AD212	<b>100000030</b>



## CONTROL UNITS

### CHOICE OF OPTIONS ACCORDING TO THE CONNECTED CIRCUITS

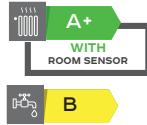
Circuit type	Control panel DIEMATIC Evolution (1)(2)	Circuit diagrams					
		DHW	1 or 2 x direct	valve	direct + 1 valve	2 x valve	direct + 2 x valve
AMC 15, 25, 35	1 x AD212	as standard	1 x AD199	1 x AD199	2 x AD199	1 x AD199 + 1 x AD249	2 x AD199 + 1 x AD249
AMC.../BS... AMC 25/28 MI, AMC 25/28 BIC, AMC 35/39 BIC	as standard	as standard	1 x AD199	1 x AD199	2 x AD199	1 x AD199 + 1 x AD249	2 x AD199 + 1 x AD249

(1) Each of the circuits "heating" can be completed in choice by a remote control.  
 (2) Cascade up to 10 boilers possible.

## CONTROL UNITS

	PACKAGE	REF.	PACKAGE	REF.
PCB + sensor for mixing valve	AD249	<b>100013304</b>	Programmable room thermostat (wire)	AD137 <b>88017855</b>
Sensor for mixing valve	AD199	<b>88017017</b>	Non-programmable room thermostat (wire)	AD140 <b>88017859</b>
MOD-BUS cable (1.5 m)	AD124	<b>88017836</b>	Room thermostat (wireless)	AD200 <b>88017018</b>
MOD-BUS cable (12 m)	AD134	<b>88017851</b>	Connected room thermostat SMART TC <sup>®</sup> (R-BUS <sup>®</sup> )	AD324 <b>7691375</b>
MOD-BUS cable (40 m)	DB119	<b>81997720</b>		
S-BUS plug	AD321	<b>7688305</b>		
S-BUS cable with plug (1.5 m)	AD308	<b>7663618</b>		
S-BUS cable with plug (12 m)	AD309	<b>7663561</b>		
S-BUS cable with plug (20 m)	AD310	<b>7663619</b>		
DHW sensor	AD212	<b>100000030</b>		
Sensor for storage tank	AD250	<b>100013305</b>		

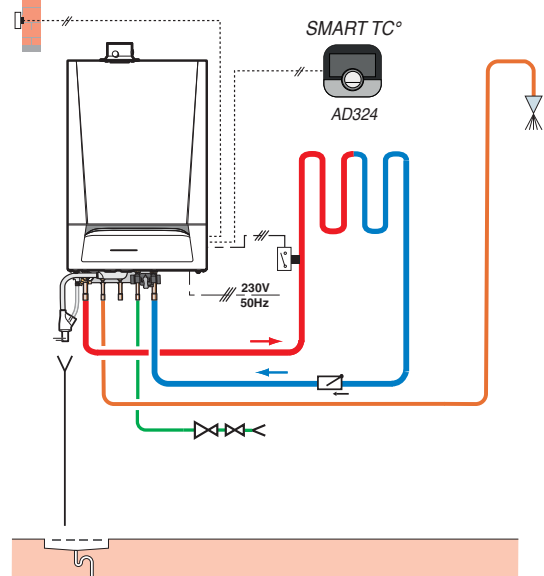
## Evodens AMC 25/28 BIC



- 1 underfloor heating circuit

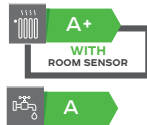
### DESCRIPTION

	PACKAGE	REF
Boiler AMC 25/28 BIC	HR132	7670371
<b>Option</b>		
- Connected room thermostat SMART TC <sup>®</sup> , R-BUS (wire)	AD324	7691375



AMC\_F0006

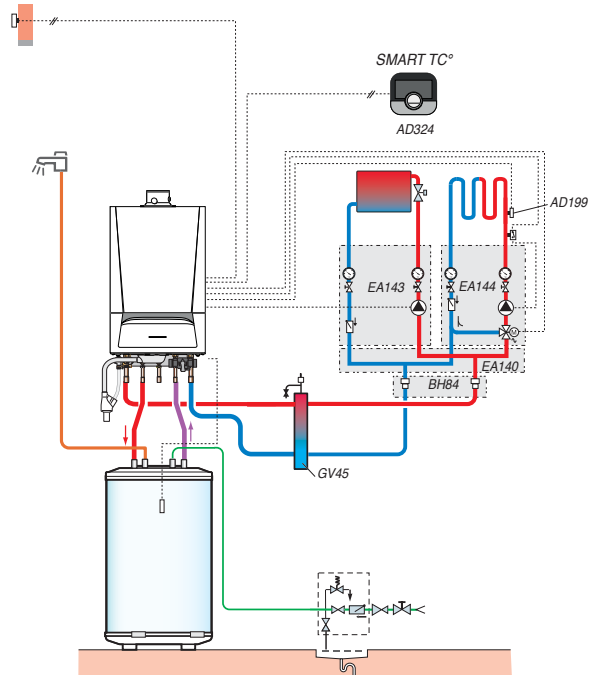
## Evodens AMC 25/BS 130



- 1 direct circuit (without mixing valve)
- 1 underfloor heating circuit (with mixing valve)

### DESCRIPTION

	PACKAGE	REF
Boiler AMC 25	HR129	7670368
Calorifier SRB130	EE81	7681039
Connection pipes calorifier/boiler	EA137	100013532
DHW sensor	AD212	100000030
Sensor for mixing valve	AD199	88017017
<b>Option</b>		
- Connected room thermostat SMART TC <sup>®</sup> (R-BUS <sup>®</sup> )	AD324	7691375
- Decoupling cylinder 60/60-1"	GV45	100019346
- Hydraulic module with pump:		
• for 1 direct circuit	EA143	100020167
• for 1 circuit with mixing valve	EA144	100020168
- Insulated collector for 2 or 3 modules	EA140	100020164
- Set of consoles for collector SRB130	EA141	100020165
- G in R connection (1" and 3/4")	BH84	89557009
- Calorifier SRB 130	EE81	7681039
- Connecting pipes boiler/calorifier SRB130	EA137	100013532



AMC\_F0007