



AMITIME BM SERIES

Fan Coil Unit

DRAINAGE-FREE

Innovative Indoor Climate Solutions



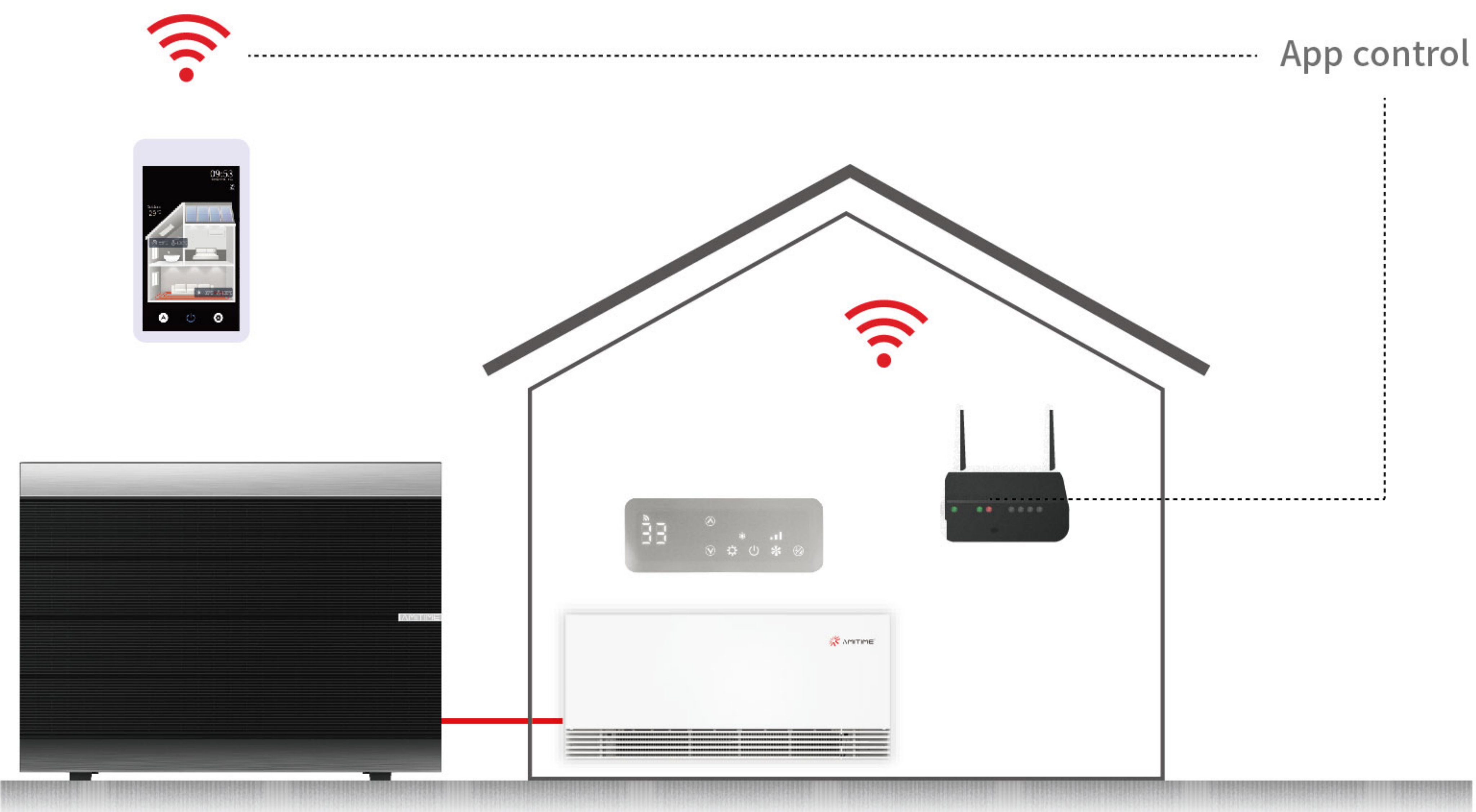
- No drain pipe required, saving up to 50% installation time
- Built-in micro-pump condensate recovery system
- Ultra-quiet operation from 18.3 dB(A)
- 4 models: BM150/BM350/BM450/BM550

Wi-Fi Smart Control

With built-in Wi-Fi connectivity, the device enables remote control and real-time monitoring via a dedicated app, ensuring efficient operation anytime and anywhere.

Simple operation for various functions

- On/Off control
- Operation mode selection
- Current temperature display
- Set temperature adjustment

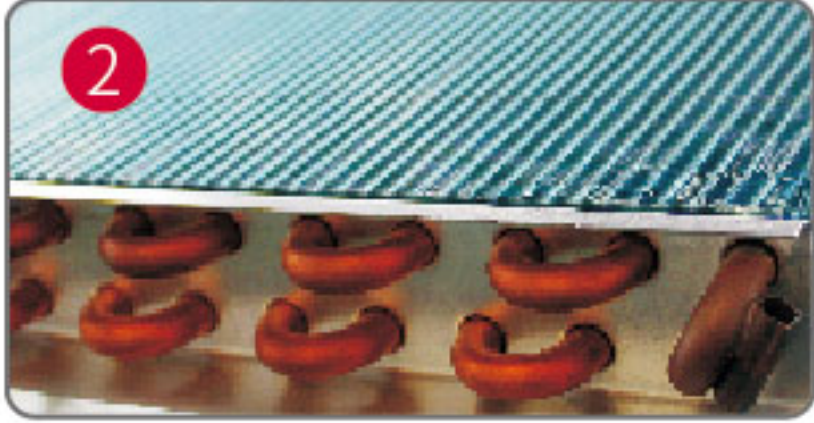


High-Quality Components

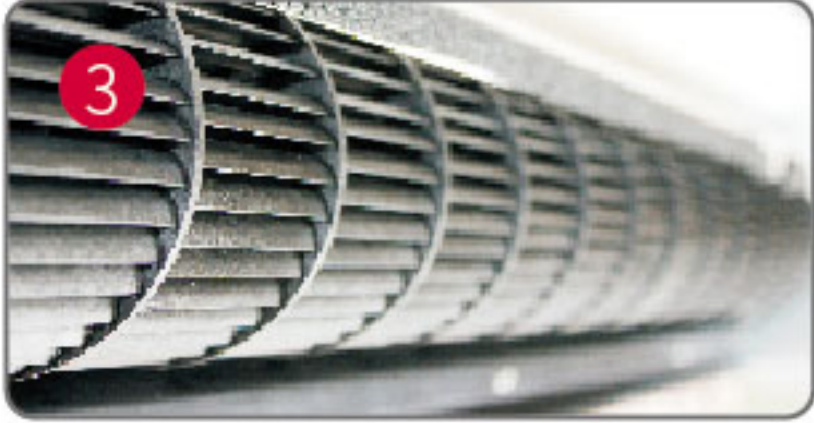




22C
230V~50-60Hz
2.5W
Normally Closed
IP44 CE
made in Italy



Coil with hydrophilic aluminum fins



Balanced cross-flow fan



Easy-access air filter fan



Touch control panel

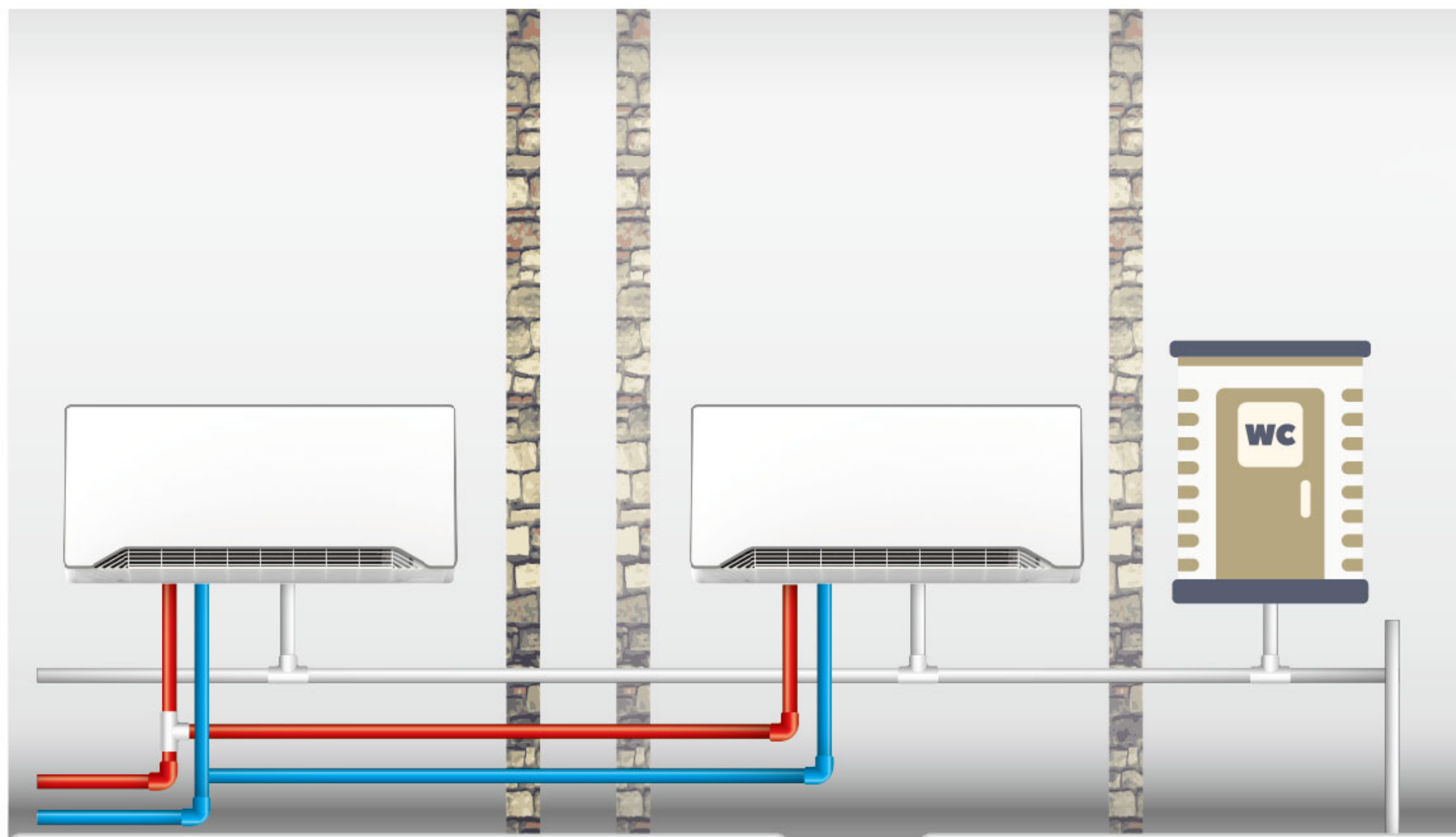


Variable-speed DC motor

AMITIME Drainage-Free Technology

Simplified Installation

Challenges of Traditional Fan Coil Systems



01

Extra Drain Pipe Required

Additional installation cost and complex plumbing work.

02

Shared Drainage System

Risk of odor backflow and cross-contamination.

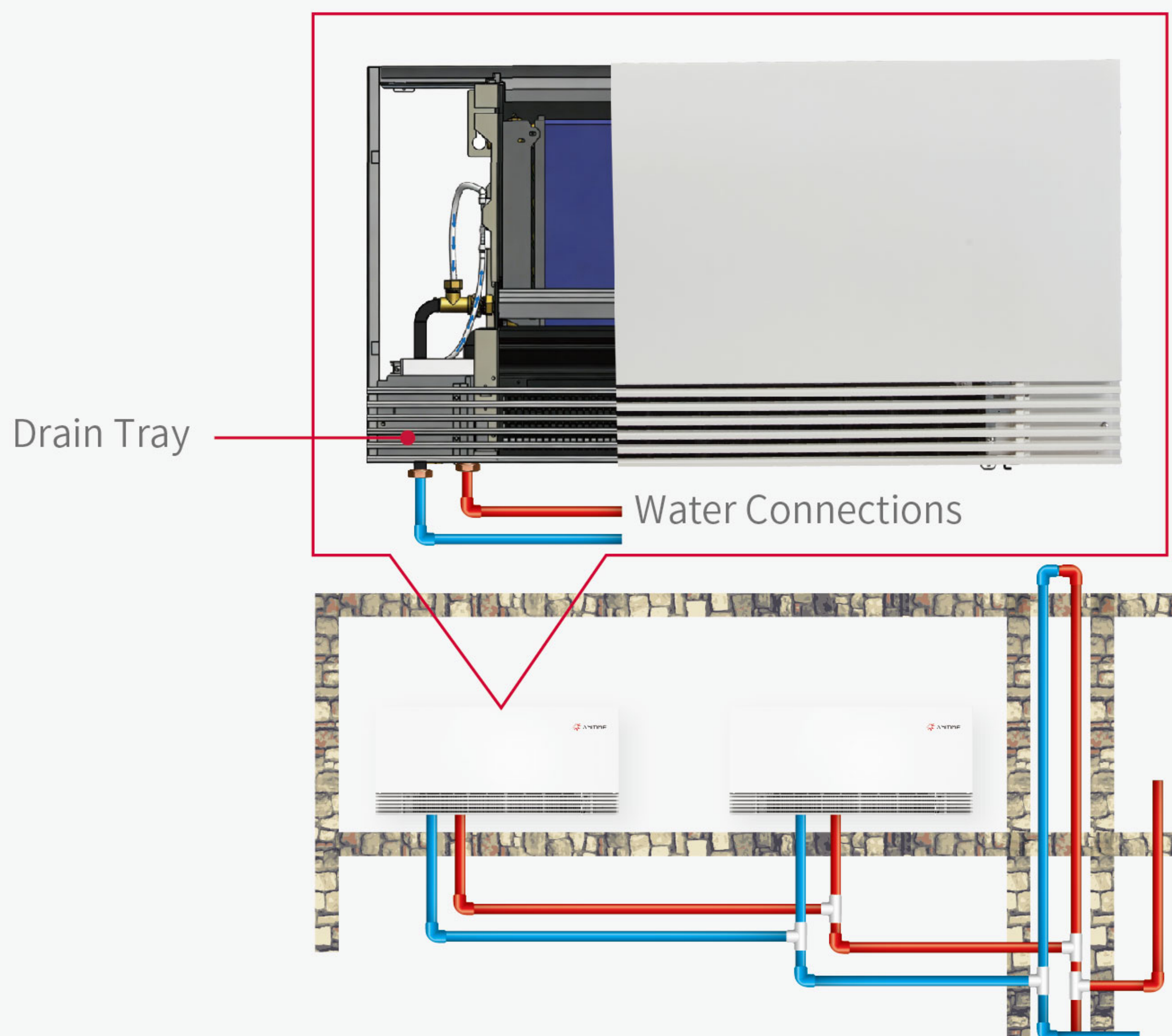
03

Pipe Clogging & Leakage

Potential water damage and maintenance issues.



AMITIME Drainage-Free Fan Coil



- Condensate self-recovery technology
- No drain pipe needed
- No risk of drainage-related issues

AMITIME Drainage-Free Technology

Easier Renovation

Before Renovation: Traditional Radiator



- Inlet/outlet pipes only
- High temp, high heat loss
- Boiler compatible
- Heating only
- No drain pipe installed

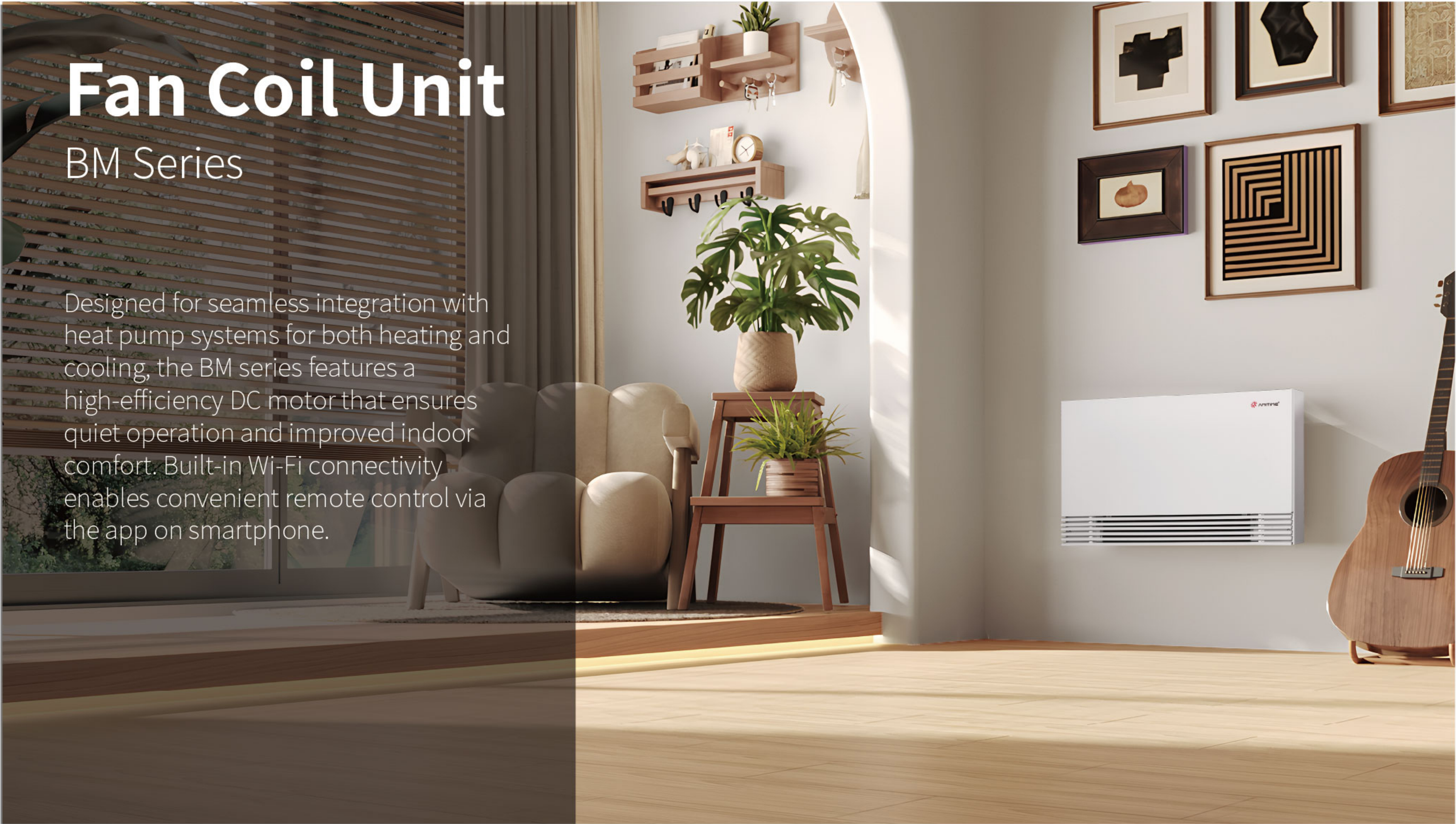
Replaced by



After Renovation: AMITIME Drainage-Free Fan Coil



- Inlet/outlet pipes only
- Low temp, low heat loss
- Heat pump/chiller compatible
- Heating and cooling
- No drain pipe required



Fan Coil Unit

BM Series

Designed for seamless integration with heat pump systems for both heating and cooling, the BM series features a high-efficiency DC motor that ensures quiet operation and improved indoor comfort. Built-in Wi-Fi connectivity enables convenient remote control via the app on smartphone.

■ Technical Data

Model			BM150(-DF)	BM350(-DF)	BM450(-DF)	BM550(-DF)
Cooling: Water Inlet/Outlet: 7/12°C; Room Air (DB/WB): 27/19°C						
Total Cooling Capacity		kW	0.75	1.5	2.2	3.1
Sensible Cooling Capacity		kW	0.61	1.25	1.9	2.6
Water Flow Rate		L/h	142	302	453	573
Water Pressure Drop		kPa	7	9	22	28
Heating: Water Inlet 50°C; Room Air 20°C (same flow rate as cooling)						
Heating Capacity		kW	0.99	2	2.8	4.2
Water Flow Rate		L/h	142	302	453	573
Water Pressure Drop		kPa	6.5	7	18.5	24.5
Heating: Water Inlet/Outlet: 70/60°C; Room Air 20°C						
Heating Capacity		kW	1.55	3.1	4.6	6.3
Water Flow Rate		L/h	162	343	471	600
Water Pressure Drop		kPa	7	7.5	19	25
Sound Power Level Measured in Accordance with EN 12102						
Maximum Noise		dB(A)	39	40	42	42.1
Minimum Noise		dB(A)	19.8	18.3	19.1	21
General Information						
Maximum Air Flow		m³/h	160	320	460	580
Power Supply		V/Hz/Ph	230/50/1			
Maximum Operating Pressure		bar	10			
Water Pipe Connection			G1/2			
Maximum Running Current		A	0.12	0.15	0.17	0.2
Maximum Power Input		W	11	15	18	21
Physical Specifications	Net Dimensions (L*D*H)	mm	694*134*588	894*134*588	1094*134*588	1294*134*588
	Net Weight	kg	13.5	16.5	20	22

Specifications are subject to change without prior notice. For the actual specifications, please refer to the label on the unit.

Model Selection Guide

- Standard models (BMXXX) for conventional drain pipe installation.
- DF models (BMXX-DF) with drainage-free design, same performance.
- All models: 230V/50Hz/1Ph | Max. pressure 10 bar | G1/2 connection.



Company Profile

AMITIME, established in 2003, is a professional Chinese manufacturer and a leading supplier of energy-saving heat pumps and cost-efficient solutions for the global market.

AMITIME has built an efficient and dynamic R&D and manufacturing platform, forming strategic partnerships with ES, Parker Davis, and other international heat pump and HVAC companies. With a global perspective, these collaborations have proven highly competitive and commercially successful, further solidifying our leading position in overseas markets.

With over 20 years of experience in R&D, 3 production bases, and well-equipped laboratories for performance, acoustic, and long-term operation testing, AMITIME has more than 800 employees, of which 20% are engineers and technicians. AMITIME specializes in DC inverter air-to-water heat pump technology. As a pioneer in DC inverter heat pump technology, we have developed four main product ranges, including residential heat pumps, swimming pool heat pumps, heat pump water heaters, and commercial heat pumps.

AMITIME is committed to meeting customer needs, and providing flexible and professional OEM/ODM solutions to global partners. Our mission is to deliver sustainable, efficient and reliable heat pump solutions, contributing to a more sustainable future.

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