

Chilled Water Zoning Solutions

AIRZONE VAF



We do what we know best

CHILLED WATER ZONING SOLUTIONS FOR RESIDENTIAL AND COMMERCIAL APPLICATIONS



What is zoning?

Zoning means getting different temperatures with one single ducted chilled water unit, saving energy and simplifying the installation. The combination of Airzone Integrated Zoning Systems and the AC units of the leading HVAC manufacturers provides superior comfort to each zone.

The most efficient HVAC solution in the market

Comfort 24/7: with Airzone have the perfect temperature in each zone.

A whole new level of energy efficiency and control



Independent temperatures

Choose the perfect temperature for each room. The best solution to the varying needs of different users.



Comfort

Get the utmost comfort with one ducted unit and enjoy the convenience of zoning.



Energy efficiency

Our energy-efficiency algorithms promote the rational use of energy while getting the most out of the system.



Innovative design

Smart thermostat with high-technology capacitive screen. Finished in metal and glass, it is the perfect balance between design and control.



Economic savings

Reduce the consumption of the system by zoning: turn on only the zones you actually use.



Latest BMS/Home Automation

Connect your Airzone system easily to the most popular BMS/Home Automation on the market.



High quality

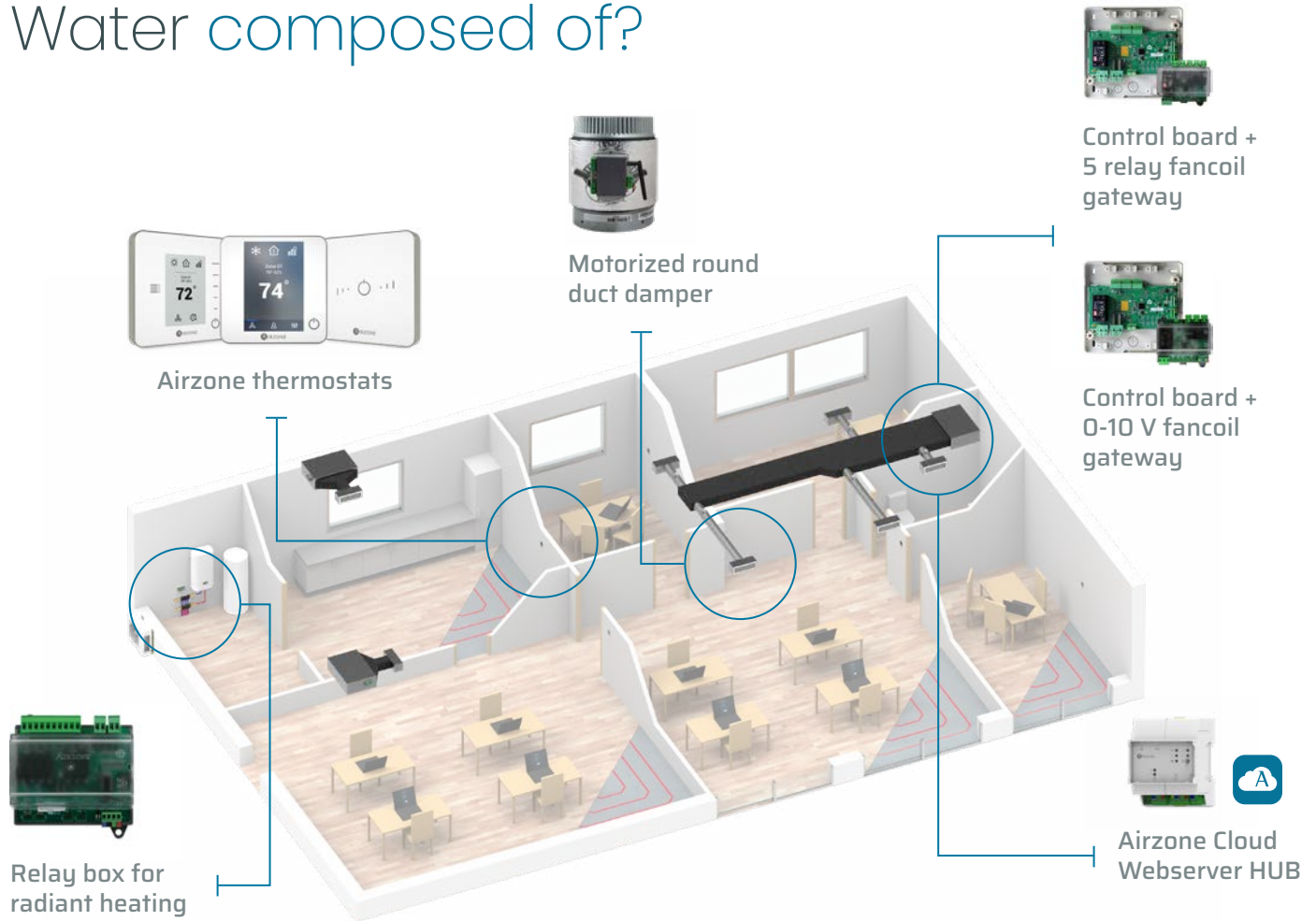
Recommended by the top AC manufacturers around the world. 20 years of experience at your service.



Cloud technology

Control the temperature of your home from your smart device. Enjoy an up-to-date system 24/7 thanks to Airzone Cloud.

What is Airzone Chilled Water composed of?



Airzone bridges the gap

BETWEEN HVAC AND IOT

Full HVAC Integration

Airzone Control Systems allow the leading **Building Management (BMS)** and Home Automation (HA) Systems to seamlessly **integrate with Inverter/VRF technologies**.

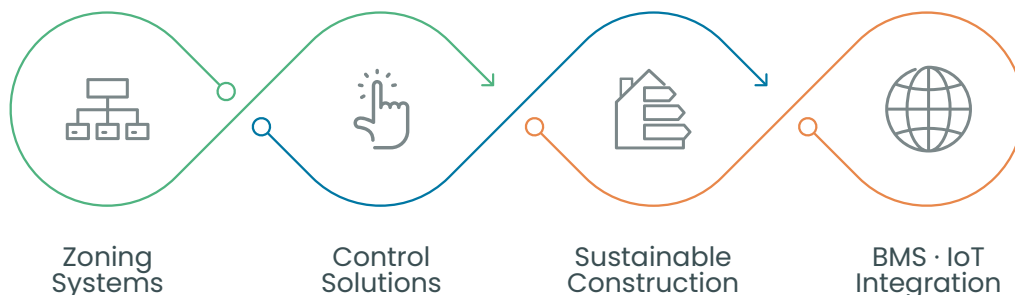
- Plug & Play solutions.
- Control, combine and coordinate floor, AC and heating with 1 solution.
- Maximum comfort for the end user.
- Enhance energy efficiency and economic savings.
- Collaboration with the major HVAC manufacturers.
- Certified protocols, two-way communications and self-guided configuration.



AC and Radiant Heating integrated through a **single interface**



VRF · AIR-TO-WATER HEAT PUMP · MULTI-SPLIT/SPLIT INVERTER AC





BMS/Home Automation Control

Full control of integrated HVAC through **2-way communication using control gateways** for the fancoil and self-guided configuration.

Quick and easy installation

- Easily integrate any HVAC system regardless of its complexity with the leading BMS/HA standards in no time.

Simple configuration

- Just download the drivers, select the preferred parameters and you are all set.
- No more complex and time-consuming programming.

Troubleshooting and maintenance

- You can easily diagnose the problems in other areas of the BMS system and discard those beyond your liability.

API Cloud and API REST

- The most secure, uncomplicated and fastest 3rd party integration.

Top Features

- Control independent zones with zoning.
- Setpoint temperature per zone.
- Temperature & Relative Humidity Sensor per zone.
- Air and radiant stage control.
- Set the Operation Mode of the entire installation.
- Set the AC ventilation speed.
- Sanitary hot water (SHW) control.
- Integrate 3rd party thermostats.

BMS Control Systems



HVAC Manufacturers



IoT Control Systems



Design and control

THE PERFECT BALANCE

Airzone Interfaces



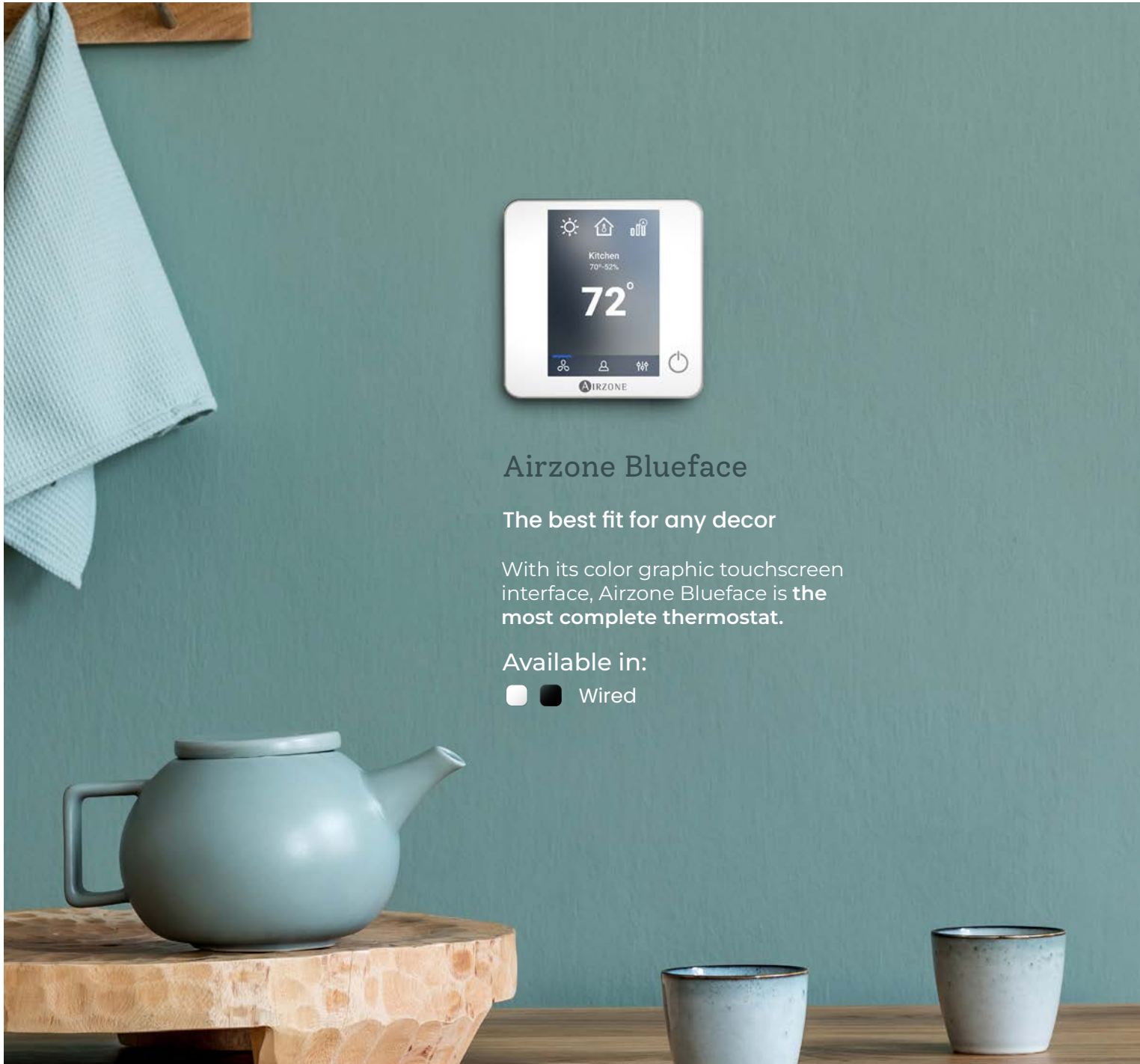
Temperature
Control



Relative Humidity



Metal and
Glass



Airzone Blueface

The best fit for any decor

With its color graphic touchscreen interface, Airzone Blueface is **the most complete thermostat.**

Available in:

☐ ☐ Wired



Airzone Think

Available in:

☐ ☒ Wireless

Low consumption
wireless technology.



Airzone Lite

Available in:

☐ ☒ Wireless | Wired

Simplest control for
the most common needs.



Airzone Cloud

Full HVAC integration and
control wherever you go.
Centralized management.

Cloud technology

THE MOST COMPLETE AND INTUITIVE INTERFACE

Airzone Cloud



Remote control is a **fundamental feature when choosing smart control** for the home. With the Airzone Cloud app, you can manage your HVAC system remotely and program the use of the thermostat to ensure greatest efficiency.

Turning independent **zones on and off**, creating **time schedules** and conveniently **checking the weather forecast** are just some of the options offered by the application.

Thanks to the Airzone Cloud Webserver HUB, **32 Airzone VAF systems, that make upto 320 zones, can be controlled from the same app.** This is attractive in particular for certain commercial and residential facilities such as offices, hotels, assisted livings, schools, etc.

Discover all the possibilities of Airzone Cloud

Airzone solutions are also compatible with voice assistants of Amazon Alexa and Google which give all the user-friendly functionalities of these applications.

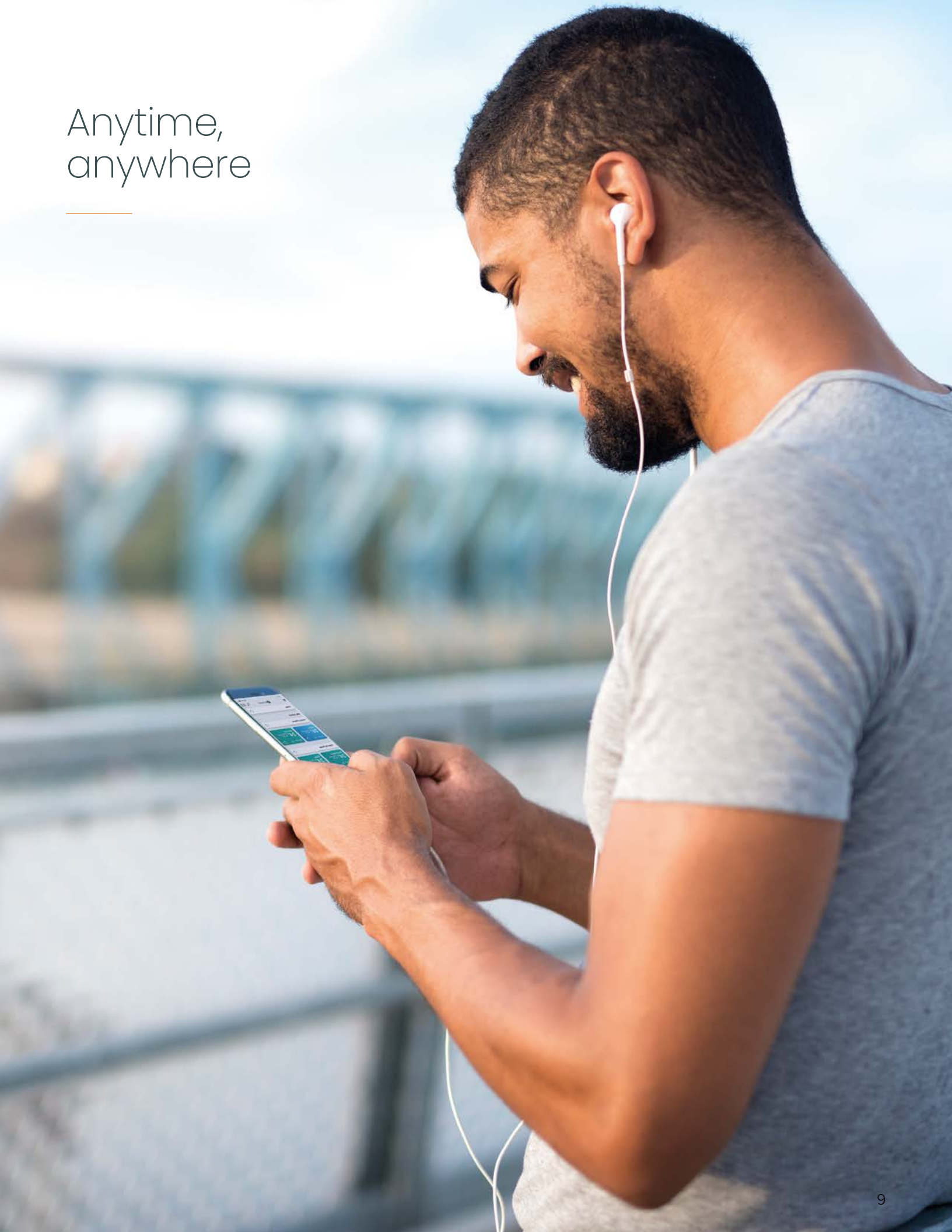
Are you ready to enjoy remote control?



Access the demo at
airzonecloud.com

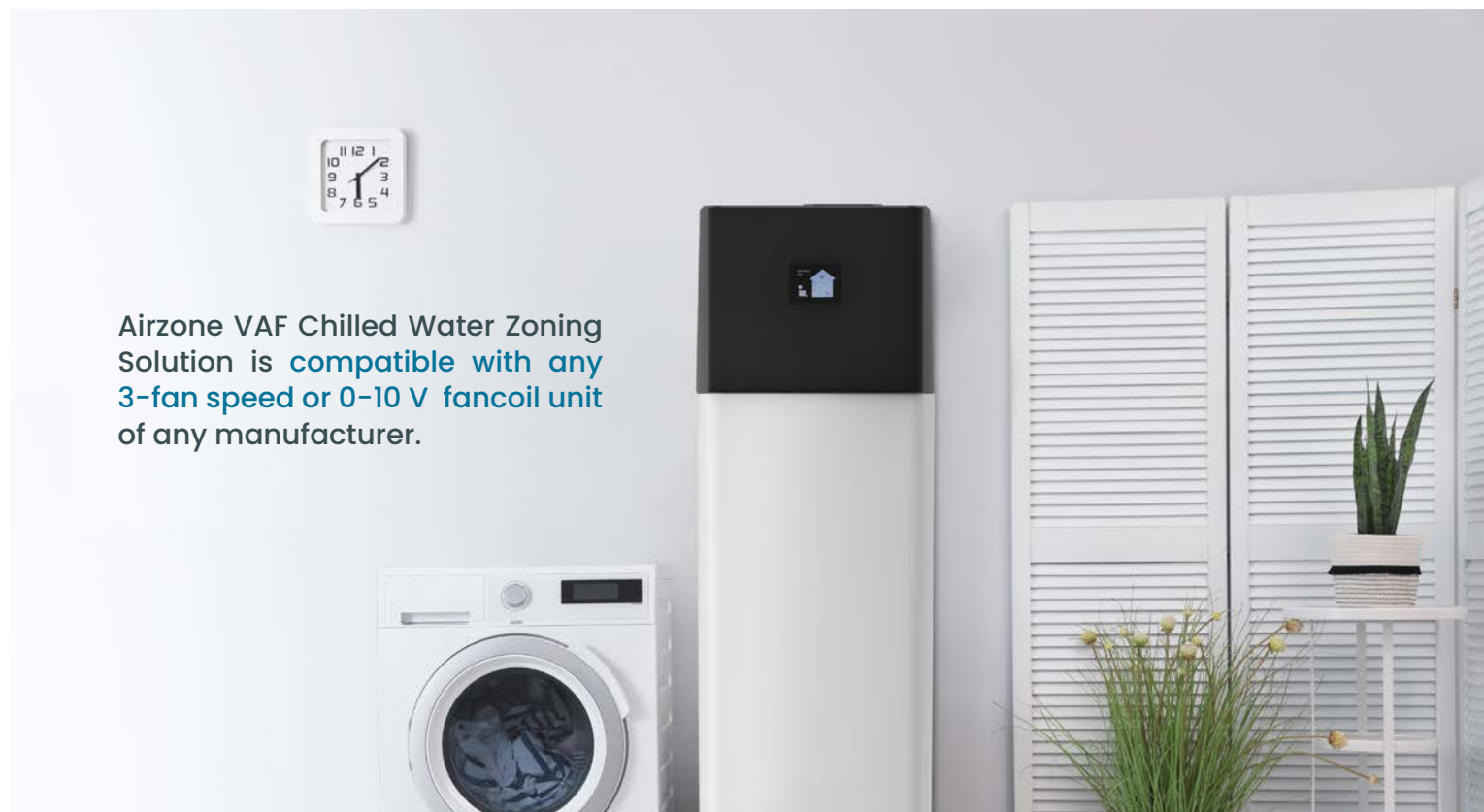


Anytime,
anywhere



Guidelines

CHILLED WATER ZONING SOLUTION

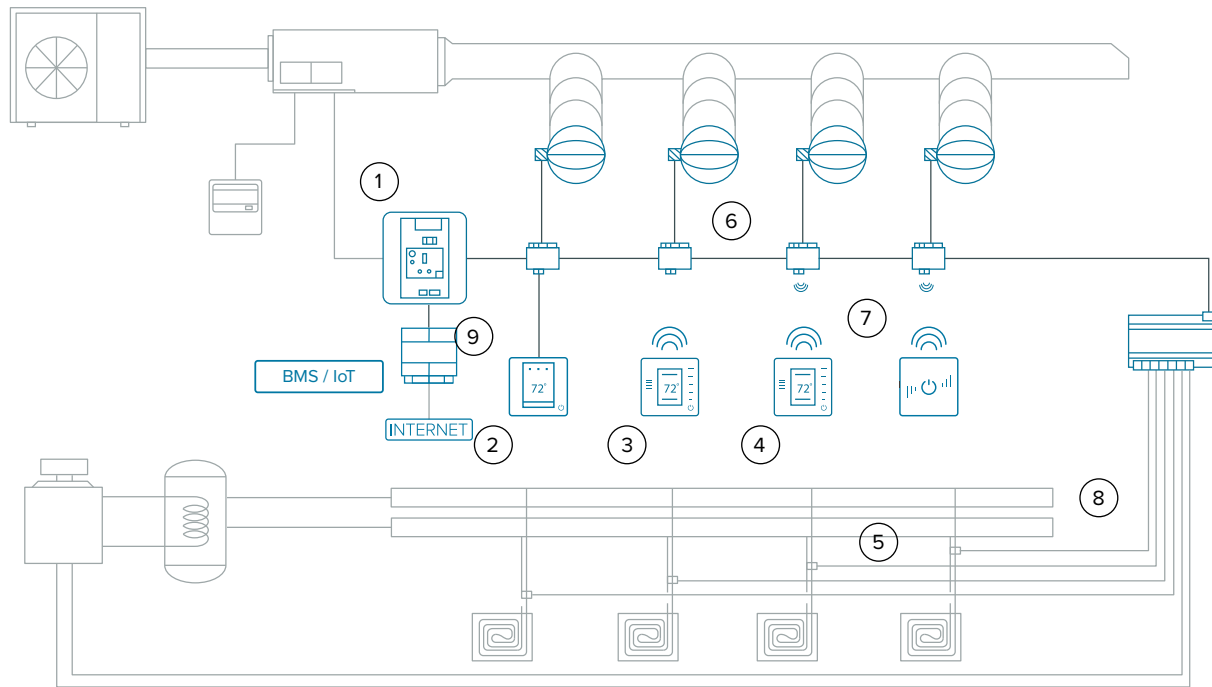


Airzone VAF Chilled Water Zoning Solution is compatible with any 3-fan speed or 0-10 V fancoil unit of any manufacturer.

System composition per ducted indoor unit

1. Always select one Airzone VAF Controller with 0-10V or 5-relays (3-speed) communication: **AZVAFR2F10 or AZVAFR2F5R**.
2. Always select one Blueface Main Controller **AZVAFBLUEZEROCB**.
3. Select a Zone Controller for each zone except for the main one that already has a main Blueface Controller selected. These Zone Controllers could be either wired **AZVAFLITECB** or wireless **AZVAFTHINKRB / AZVAFLITERB**. Note that the system can control up to 10 zones.
4. Select as many smart motorized dampers as needed, up to 10. They could be wired or wireless, depending on the user's needs.

Wiring diagram



Reference	Description	Units
1 AZVAFR2[XXX]	Airzone VAF Control board with [XXX] communication region 2	1
2 AZVAFBLUEZEROCB	Airzone Blueface Zero VAF wired controller white	1
4 AZVAFTHINKRB	Airzone VAF wireless Think controller white	1
5 AZVAFILTERB	Airzone VAF wireless Lite controller white	1
6 AZVAFDAMPER[06/08/10/12/14]C	Airzone VAF [06/08/10/12/14 inches] wired intelligent round damper	2
7 AZVAFDAMPER[06/08/10/12/14]R	Airzone VAF [06/08/10/12/14 inches] wireless intelligent round damper	2
8 AZVAF5OUTPUTS	Airzone VAF relay radiant heat control module	1
9 AZX6WSPHUB	Webserver HUB Airzone Cloud Ethernet - Wi-Fi	1

XXX: F10: 0-10 Volts F5R: 5-relays (3-speed)



Designed &
Manufactured in EU

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