

# Friedrich Vert-I-Pak® Series Single Package Vertical Air Conditioners

**FreshAir® IAQ READY**



AVAILABLE  
MERV 13 FILTRATION



THE EXPERTS IN ROOM AIR CONDITIONING

# Vert-I-Pak®

## A BETTER SOLUTION FOR HOSPITALITY & LODGING

Quiet, energy-efficient option for suites, extended stay properties, and commercial spaces.



Ducted and closet-mounted, Vert-I-Pak eliminates the need for multiple through-the-wall units. The Vert-I-Pak unit is installed out of sight, so guests enjoy a more attractive, more homelike appearance.

## BETTER AESTHETICS

### Indoors

The unit is installed out of sight, so your guests will only see a wall thermostat.

### Outdoors

Packaged unit eliminates the clutter of outdoor condensing units and the sleek architectural grille is available in custom colors to match the building's exterior.



## ENGINEERED FOR QUIETER PERFORMANCE

### Friedrich's 'Free Floating' chassis design and superior insulation help to eliminate vibration noise

The chassis slides into the wall plenum and a gasket firmly seals the chassis to the patented telescoping plenum. This eliminates vibration noises that are transmitted into the room in competitors' metal-on-metal fixed installations. Extra thick, vibration-absorbing rubber grommets mounted on a durable base that is engineered for structural and acoustic integrity.



## VERT-I-PAK® IS A SUPERIOR PRODUCT

### Advanced features you'll find on Friedrich Vert-I-Pak

1. Floating chassis design slides into a wall plenum and is held firmly in place by a sealing gasket, reducing noise from vibration transfer.
2. 1/2 inch foil-backed insulation added on the inside of the chassis to reduce sound transmission into the guest room.
3. All model efficiencies of 11.0 EER and 3.3 COP.
4. Condensate removal system uses slinger ring technology to cool the coil and increase efficiency.
5. Dynamically balanced blower with large, vibration-absorbing motor mounts for smooth and quiet operation.
6. Patented telescoping plenums (accessory) easily adapt to more installations.
7. 5 year limited warranty\*; 1 year labor warranty.
8. A full suite of factory approved indoor air quality accessories designed to deliver healthy air

\* See warranty documentation for details.

### What you'll find on many competitors' products

1. Chassis is screwed into the wall plenum. Metal-on-metal contact transfers vibration, increasing operating noise under typical conditions. Noise is transferred through the walls and into the room.
2. No insulation on the unit to reduce noise transmission into the guest room.
3. Hard plastic feet on the unit base which are less durable and transfer harsh vibration noise.
4. Different plenums needed based on varying wall depths.
5. No labor warranty.
6. No approved indoor air quality accessories

## VERT-I-PAK® ADVANTAGES

### A better heating and cooling option inside and out

- Eliminates the clutter of outdoor condensing units and the need for vandalism barriers.
- Completely self-contained
- No refrigerant lines running from floor to floor
- Fast, easy replacement keeps spaces livable

### Improved guest comfort

- Individually controlled
- Vert-I-Pak models include back up auxiliary electric heat.
- Duct air specifically where it's needed, not just on the outside wall
- 2-speed fan with constant fan option on Friedrich RT7, RT7P and WRT2 thermostats

## FEATURES

### Reliable and durable

- BLDC (Brushless DC Motor) motors for maximum efficiency
- Engineered drain pan won't rust, eliminating the risk of unsightly rust stains from condensation on the building exterior
- Painted, 18-gauge galvanized steel cabinet resists corrosion
- Standard safety power disconnect
- Electronic control panel on unit for easy diagnostics and servicing
- Every unit is 100% run tested prior to shipment



**DIAMONBLUE**  
Advanced Corrosion Protection®



Protects the outdoor coil against deterioration and extends the life of the unit especially in harsh coastal environments.

### A better choice than whole building solutions

- Lower installed cost
- Independent metering (no need to prorate for multi tenant applications)
- Individual temperature setpoint (one unit can heat and others can cool)
- Less risk, with a whole building system, spaces may become uninhabitable until the system is repaired or replaced
- Vert-I-Pak can be easily accessed for maintenance or replacement

### FreshAir® IAQ Ready

- A full complement of Indoor Air Quality Products has been certified through installation and testing to ensure exceptional air quality is achieved when FreshAir IAQ accessories are added

### Easy installation

- Can be installed from any interior side (front, right or left)
- Ductable to multiple rooms
- Compact and lightweight, weighs as little as 114 lbs.
- Installation does not require an HVAC technician
- Prewired, charged and piped
- Units are ready to install with only electrical hook up needed
- 10" crimped and beaded duct-collar ready to attach flex duct
- Patented telescoping wall plenums adjust to fit varying exterior wall thicknesses
- Primary condensate removal system provided through 3/8" pipe fittings for more placement options
- Secondary overflow from primary drain\*
- Central desk control ready
- 24-volt remote wireless or wired thermostat ready

### Warranty and Support

- Industry leading warranty features 1 year full warranty on parts and labor and 5 year limited warranty.
- Nationwide service network and U.S. based Friedrich expert technical team ensures you get fast, knowledgeable service.



See warranty documentation for full details

### Energy management thermostats available

- Wired (EMRT2) and wireless (EMWRT2) thermostats
- Integrated motion and thermal occupancy sensor
- Auto changeover
- 5 distinct energy presets
- Comprehensive remote management capability\*\*

\* 18000 Btu & 24000 Btu models use secondary gravity-fed drain. \*\* Energy management capability requires purchase of additional hardware and service fee

## CAPACITIES UP TO 22,500 BTU

### Heat Pump

#### COOLING

9000–22500 Btu  
All 11.0 EER

#### REVERSE HEATING

8200–19200 Btu  
All 3.3 COP

#### AUXILIARY ELECTRIC HEATING

7000–34000 Btu

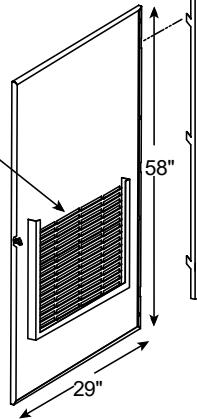
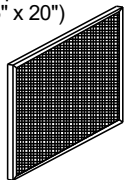
ASHRAE 90.1-2013 Compliant



## TYPICAL VERT-I-PAK® INSTALLATION

ACCESS DOOR OR PANEL TO  
CLOSET CAN BE INSTALLED  
FROM 3 SIDES

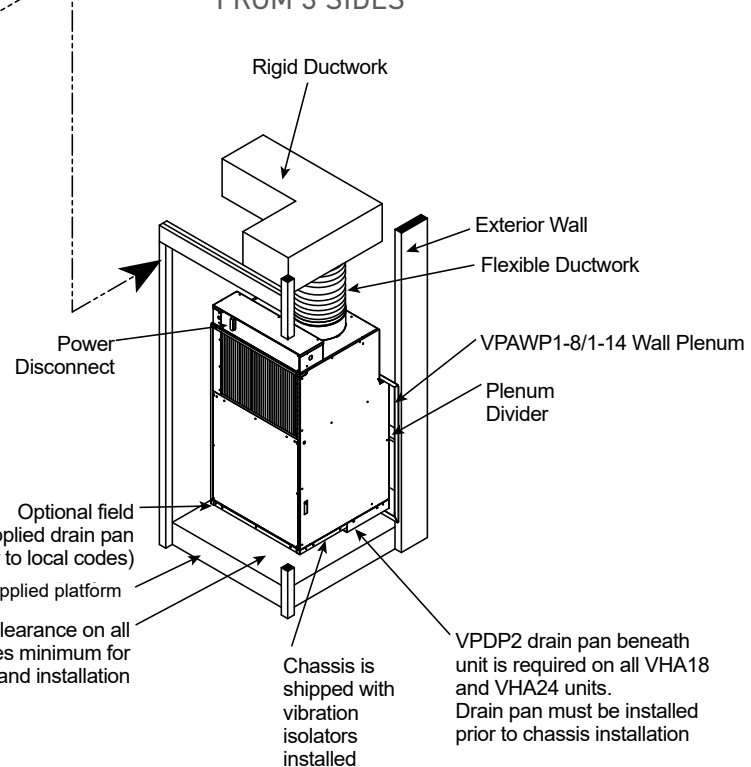
Field-supplied  
Filter (25" x 20")



VPRG4/PRG4R  
Access Panel & Return  
Air Filter Grille

Optional field  
supplied drain pan  
(refer to local codes)  
Optional field supplied platform  
3" Clearance on all  
three sides minimum for  
service and installation

Rigid Ductwork



Exterior Wall

Flexible Ductwork

VPAWP1-8/1-14 Wall Plenum

Plenum  
Divider

Chassis is  
shipped with  
vibration  
isolators  
installed

VPDP2 drain pan beneath  
unit is required on all VHA18  
and VHA24 units.  
Drain pan must be installed  
prior to chassis installation

# Save big on energy without compromising guest comfort

## FriedrichLink® thermostats are the advanced energy management solution for Friedrich Vert-I-Pak®

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### Real Time Motion and Thermal Occupancy Sensor

Integrated Occupancy Sensor uses a combination of **motion and thermal sensing technologies** for accurate occupancy detection at all times-no need to install additional devices such as door switches or sensors.

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### Wired or Wireless Installation

**Wired or wireless connectivity** with extensive configuration options deliver full compatibility and easy integration with virtually any packaged HVAC system.

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### 5 Energy Savings Presets

**5 distinct energy saving modes** make it easy to choose the optimal energy saving settings for any property.

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### Remote Management\*

**Web-based remote management** provides expansive solutions for remote monitoring and configuration from any computer connected to the Internet.

**Built-in Wireless Networking** enables remote management without using or interfering with property's existing wireless infrastructure. True mesh networking eliminates the need for additional networking equipment such as signal repeaters or multiple data collection boxes.



Friedrich's **EMRT2, EMWRT2, VRPXEMRT2** and **VRPXEMWRT2** thermostats use real-time motion and thermal occupancy detection to save energy.

When the room is unoccupied, the thermostat automatically adjusts the temperature to eliminate unnecessary heating and cooling.

**Monitor room status** and see the operation, occupancy and energy efficiency status of each room.



\*Requires an optional "Online Connection Kit" and a one-time license fee.

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## Advanced Energy Saving Features

**Fully configurable** energy saving modes maximize energy savings without compromising guest comfort.

**Temperature setback** automatically adjusts the temperature when the room is unoccupied in order to save energy.

**Temperature recovery** calculates the setback temperature so that the desired temperature can be restored within specified time.

**Setback optimization** continuously monitors temperature recovery rate in the room and adjusts setback temperature to maximize energy savings.

**Setback limits** allow maximum and minimum room temperature to be set when the room is unoccupied.

**Setpoint limits** prevent guests from setting room temperature to extreme, energy-wasting levels.

**Room status** displays operation, occupancy and energy efficiency status of each room.

**Room detail** displays temperature and occupancy changes in a room.

**Energy reports** monitor energy use and can even evaluate the performance of energy saving features.

**Intuitive interface** makes it easy to apply different settings to different rooms.

**User management** allows configuration of custom access permissions and alert notification settings for different users.

**Built-in diagnostic tools** automatically send email alert notifications to hotel staff.



FriedrichLink® For Lodging

**ARCHITECTURAL LOUVER**

**VPAL2 and VPSC2**

Extruded aluminum grille that attaches to the outdoor section of the wall plenum. VPSC2 can be ordered in custom colors.

DIMENSIONS: 25 9/16" W x 31 1/16" H



VPAL2



VPAWP1-8/14

**WALL PLENUM (REQUIRED)**

**VPAWP1-8, VPAWP1-14**

Two-part sleeve that telescopes in and out; sits inside the exterior wall penetration.

VPAWP1-8 telescopes from 5 1/2" – 8"

VPAWP1-14 telescopes from 8" – 14"

DIMENSIONS: 24 1/8" W x 30 3/8" H

CUTOUT DIMENSIONS: 24 5/8" W x 30 7/8" H

**RETURN AIR GRILLE/ACCESS PANEL/SOLID DOOR ACCESS PANEL**

**VPRG4/VPRG4R/VPRG4SD**

Hinged panel allows access to unit and return air filter.

A field-supplied filter (25" x 20") should be mounted on the inside grille. Panel can be mounted with return air openings high or low on the door for optimum sound attenuation.

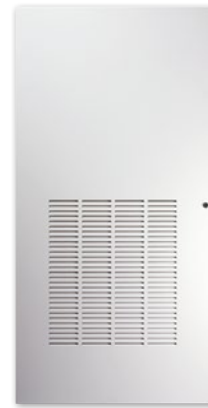
VPRG4SD is a solid door panel.

VPRG4 is a default left in-swing.

VPRG4R is a right in-swing.

DIMENSIONS: 29" W x 58" H

CUTOUT DIMENSIONS: 27" W x 55 3/4" H



VPRG4/VPRG4R



VPRG4SD

**FIRST COMPANY SLEEVE ADAPTER**

**VPASA1**

Single piece, welded adapter allows retrofit into existing First Company® SPXR-series single package vertical unit wall sleeve and louver. Easily connects to Friedrich chassis. Only compatible with Friedrich's smaller sized VPAK 9k and 12k units.

**DRAIN PAN (REQUIRED FOR VHA18 AND VHA24 MODELS)**

**VPDP2**

For VHA18 & VHA24 models. Must be installed prior to chassis for easy installation/removal.



VPASA1



VPDP2

**SINGLE STAGE THERMOSTATS**

**RT7P**

Wired, single stage, wall-mounted programmable thermostat with two fan speeds and backlight. Controls Friedrich VERT-I-PAK.

**RT7**

Wired, single stage, wall-mounted digital thermostat with two fan speeds and backlight. Controls Friedrich VERT-I-PAK.

**WRT2**

Wireless, single stage, wall-mounted programmable thermostat with two fan speeds and backlight. Controls Friedrich VERT-I-PAK.



RT7P



RT7



WRT2



EMRT2, EMWRT2

**ENERGY MANAGEMENT THERMOSTATS**

**EMRT2/EMWRT2**

Wired/Wireless thermostat with occupancy sensor.

**EMOCT**

Online connection kit.

**EMRAF**

Remote access fee.

**EMROS**

Remote Occupancy Sensor

**EMRTS**

Remote Temperature

**EMRDS**

SensorDoor Switch

**EMCWP**

Wall Plate

**EMRWOS**

Wireless Occ. Sensor

**FRESH Aire® MERV 13 FILTRATION**

FreshAire MERV 13 filtration is effective at capturing and removing microorganisms from the air, which according to ASHRAE\*, the leading authority on the science behind advanced indoor air quality, include harmful airborne viruses. **(Field supplied filter).**

**FRESH Aire® MERV 13 FILTER KITS**

**VPFK0912-2**

2" MERV 13 filter bracket kit for VHA09, VHA12

**VPFK0912U**

2"-4" MERV 13 telescoping filter bracket kit for VHA09, VHA12

**VPFK1824-2**

2" MERV 13 filter bracket kit for VHA18, VHA24

**VPFK1824U**

2"-4" MERV 13 telescoping filter bracket kit for VHA18, VHA24

**FreshAire® IAQ**

VPFK0912-2  
VPFK1824-2



VPFK0912U  
VPFK1824U



**FRESH Aire® PURIFIER APWR1**

FreshAire® Purifier by iWaves features needlepoint bi-polar ionization to address mold, bacteria, virus, allergens, and VOC's that may be in your air stream to ensure healthy, clean, purified air.



APWR1

**FRIEDRICH® UV UVT1**

Germicidal UV light kits tested and certified for use on Friedrich Vert-I-Pak®. The UV kit can be installed on the evaporator coil and is designed to disinfect surfaces and the air as it circulates through the ventilation system. UV light can kill airborne bacteria, viruses, mold, reduce maintenance costs and extend the life of an HVAC system.



UVT1

**OUTSIDE AIR VENTILATION**

All Friedrich Vert-I-Pak® units are manufactured featuring passive outside air ventilation. Up to 60 CFM of fresh outside air can be brought into the space during unit operation.

