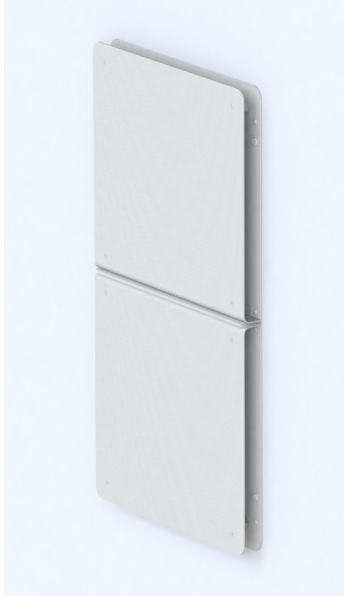


# Defender Series Wall Mounted Dehumidifiers



**VWD-30**  
Vertically Mounted



**HWD-45**  
Horizontally Mounted

Introducing the Innovative military grade, TAA compliant, Vertical (VWD-30) & Horizontal (HWD-45) Wall Mounted Dehumidifiers. Our highly engineered Defender Series Dehumidifiers are uniquely designed to attack high humidity in your military applications, improve Indoor Air Quality (IAQ) and protect military assets.

Both the VWD-30 & HWD-45 remove excess moisture from indoor air providing a Controlled Humidity Environment (CHE) for our Defense Partners. CHE is required to prevent poor IAQ, mold growth, health issues and protect assets and equipment from moisture damage.

These Defender Series Dehumidifiers are mounted either into or onto the wall and work independently from the building's HVAC system. Connecting the provided hose to a drain allows the dehumidifier to remove water from the air without interruption until the desired relative humidity level is achieved in the room. Tamper proof controls are accessible by the installer or facilities manager only.

The perfect defense against humidity for government facilities including: barracks, offices, military housing, hospitals, classrooms, equipment rooms, gun rooms, storage areas, recreational areas and gyms.





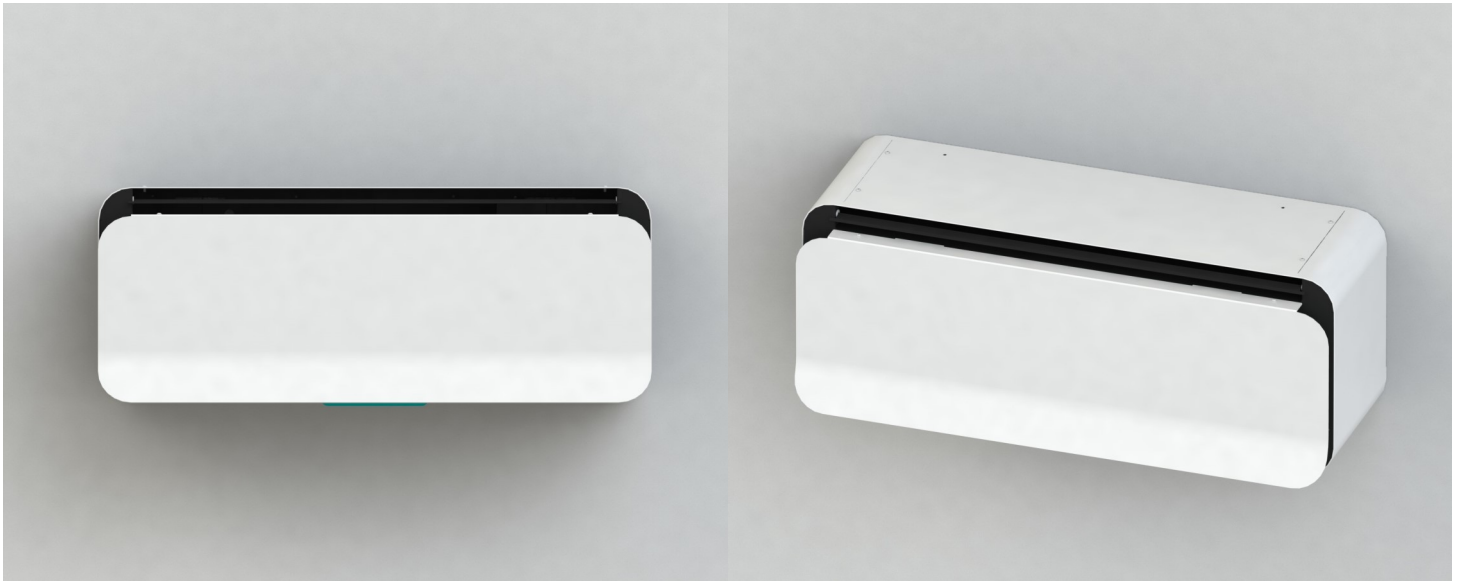
Fully recessed cabinet mounting.

Semi recessed cabinet mounting.

Solid wall/Surface mounting.

The Innovative VWD-30 Vertical Wall Dehumidifier has been engineered to accommodate 3 different mounting configurations based on your application and wall construction.

- Fully recessed in wall mounting—2 X 6 stud with 1/2" drywall surface or 2 X 4 stud with 1/2" drywall surface with back side of wall drywall not present or cut out.
- Semi recessed in wall mounting—2 X 4 stud with 1/2" drywall surface utilizing an optional color matched wall spacer sleeve.
- Surface mounted to wall for solid wall applications utilizing an optional color matched full depth mounting sleeve
- All mounting options allow for power and drain connections out of the bottom or rear of the cabinet.
- Set and forget operation—installer configures unit. Controls located behind tamper proof cover. No user intervention needed/allowed. Unit resumes settings after power loss/restoration.
- 2 speed fan—maximum performance or ultra quiet
- Washable filter—easily removed and cleaned
- Filter service reminder
- On board diagnostics
- Durable metal construction
- Optional internal drain pump
- Optional Wi-Fi controls—remotely monitor and control unit from anywhere in the world.
- Environmentally friendly refrigerant— one of the lowest global warming potential (GWP) refrigerants.



**The Innovative HWD-45 Horizontal Wall Dehumidifier has been designed to achieve what other units can't. Its horizontal configuration allows for installations above door frames, above cabinetry, and other locations where wall space is at a premium.**

- **Set and forget operation—installer configures unit, controls located behind tamper proof cover. No user intervention needed/allowed. Unit resumes settings after power loss/restoration.**
- **2 speed fan—maximum performance or ultra quiet**
- **Power and drain hose location options — bottom and rear exit**
- **Easy to install mounting bracket that unit hangs on.**
- **Washable filter—easily removed and cleaned.**
- **Filter service reminder**
- **On board diagnostics**
- **Durable metal construction**
- **Optional internal drain pump**
- **Optional Wi-Fi controls—remotely monitor and control unit from anywhere in the world.**
- **Environmentally friendly refrigerant— one of the lowest global warming potential (GWP) refrigerants**

# VWD-30 & HWD-45

## Technical Specifications and Features

Technical Specifications	VWD-30	HWD-45
Capacity @ 80F/60% RH	31 Pints per Day	42 Pints per Day
Operating Range - Temperature	35—100F	35—100F
Operating Range - Relative Humidity	35-90%	35-90%
Room Size	1,500 square feet	2,000 square feet
Air Flow—2 Speeds	100 low/ 130 high CFM	110 low/ 140 high CFM
Power Requirements	120V/60Hz/1.9A	120V/60Hz/2.4A
Exterior Dimensions (HxWxD, Weight)	30" x 17" x 6", 43 lbs	12" x 31" x 9", 50 lbs
Refrigerant: (type/class/GWP)	R513a, A1, 573 GWP	R513a, A1, 573 GWP
Mounting Options	In / On / Through Wall	On Wall
SKU	14-250030100	14-300045100

### Features

Tankless Design	Gravity Drain/Optional Internal Pump
Integral Humidity Controls	Internal tamper proof
Optional Wi-Fi Controls	Remotely monitor and control unit
Filter Status Monitor	Notifies when filter needs cleaning
Automatic Restart	Retains settings/restarts after power loss
Warranty	5 Years on Parts & Labor
Made in the Italy	TAA Compliant

**Notes:** Integrated Bi-Polar ion generator helps improve IAQ. Comes with power cord preinstalled or can be hardwired. Multiple mounting options. Vertical flush mounts between 16"OC studs in wall or through wall based on wall depth, or on wall for solid wall applications. Horizontal mounts on wall. Units are tested to UL standards.

Patent Pending  
Specifications subject to change



### Innovative Dehumidifier Systems

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