



HUMIDITY CONTROL

BUILT FOR GROW



WHO WE ARE

Trusted humidity control and horticulture experts, committed to cultivation.

WHAT WE PROVIDE

Design solutions for cultivators and engineers proven to increase your yield and protect your crop.

APPLICATION GUIDANCE

Success starts with planning

DESIGN & INSTALLATION EXPERTISE

Comprehensive using our team of experts

TECHNICAL & DISTRIBUTION SUPPORT

Let's make it happen

Designed &
Assembled
in the USA
utilizing U.S. and Global Components

5
YEAR
WARRANTY

Tested and proven in the real world. Relied upon by cultivation experts for sizing and application guidance. From design and delivery to installation, setup, and service, our team will help you every step along the way.





“

*I HAVE
NEVER HAD
SUCH TIGHT,
CONSISTENT
CONTROL.”*

-BLAZE

ROOTED IN QUALITY

**BETTER VALUE, LOWER COSTS.
WE ARE COMMITTED TO THE CULTIVATOR!**

Tested and proven in the real world. Relied upon by cultivation experts for sizing and application guidance. Design, delivery, installation and setup, to service, our team will help you every step along the way.

Every cultivator is growing within specific environmental conditions – temperature and humidity – designed to create specific strains. Unfortunately, when inefficient environmental solutions cause mold and fungus to creep in, they can destroy your crops.

There are only two ways to really eliminate these harmful elements from your grow room:

1. You can use chemicals, which can affect the quality and potency of your yield.
2. You can go the organic route by creating a balanced environment for your crop to thrive in.









Anden products are **designed and built for cultivation**, with materials proven to perform in the extreme conditions. Utilizing Anden for your facility will help ensure you achieve your desired humidity balance for maximum growth potential.

PRODUCT SPECIFICATIONS



BETTER | FASTER | SMARTER



Humidity Control Built for Grow – Dehumidifiers and Steam Humidifiers

Craft Grower to Commercial Cultivation

	Model	Capacity (Water Removal @ 80°F/60% RH)	Energy Factor (Efficiency @ 80°F/60% RH)	Power (Watts @ 80°F/60% RH)	Current draw	Voltage, Phase, Frequency	Dimensions (Cabinet only)	Weight	Air Filter	Power Cord
	A710V1	710 pints/day	3.0 L/kWh (6.3 pints/kWh)	4,706	19.6 Amps	208/240VAC 1 Phase 60 Hz	Width 44 ⁷ / ₈ " Height 34 ¹ / ₂ " Length 31 ² / ₃ "	360 lbs.	MERV 11 disposable	SJT, L6-30P, 10'
	A710V3	710 pints/day	3.0 L/kWh (6.3 pints/kWh)	4,820	17.4 Amps	277VAC 1 Phase 60 Hz	Width 44 ⁷ / ₈ " Height 34 ¹ / ₂ " Length 31 ² / ₃ "	360 lbs.	MERV 11 disposable	SJT, L7-30P, 10'
	A320V1	320 pints/day	2.9 L/kWh (6.1 pints/kWh)	2,310	11.1 Amps	208/240VAC 1 Phase 60 Hz	Width 32 ⁵ / ₈ " Height 24" Length 24 ¹ / ₄ "	180 lbs.	MERV 11 disposable	SJT, 6-20P, 10'
	A320V3	316 pints/day	2.7 L/kWh (5.7 pints/kWh)	2,313	8.3 Amps	277VAC 1 Phase 60 Hz	Width 32 ⁵ / ₈ " Height 24" Length 24 ¹ / ₄ "	176 lbs.	MERV 11 disposable	SJT, L7-20P, 10'
	A210V1	210 pints/day	2.9 L/kWh (6.1 pints/kWh)	1,450	7.1 Amps	208/240VAC 1 Phase 60 Hz	Width 19 ¹ / ₂ " Height 18 ³ / ₄ " Length 30 ¹ / ₈ "	118 lbs.	MERV 11 disposable	SJT, 6-15P, 10'
	A130	130 pints/day	2.9 L/kWh (6.1 pints/kWh)	920	7.7 Amps	120VAC 1 Phase 60 Hz	Width 19 ¹ / ₂ " Height 18 ³ / ₄ " Length 30 ¹ / ₈ "	113 lbs.	MERV 11 disposable	8' 120VAC Grounded Plug
	A100	100 pints/day	2.6 L/kWh (5.5 pints/kWh)	750	6.7 Amps	120VAC 1 Phase 60 Hz	Width 14" Height 15" Length 26"	64 lbs.	MERV 11 disposable	8' 120VAC Grounded Plug
	A70	70 pints/day	2.1 L/kWh (4.4 pints/kWh)	645	5.4 Amps	120VAC 1 Phase 60 Hz	Width 12 ¹ / ₂ " Height 12 ¹ / ₂ " Length 25"	56 lbs.	MERV 11 disposable	8' 120VAC Grounded Plug

Steam Humidifiers

	Model	Capacity (@ 80°F/60% RH)	Current Draw	Voltage	Includes In-Room Fan Pack
	AS150	1,200 pints/ day	48 Amps	240VAC, 3 Phase	Yes
	AS35FP	92–277 pints/ day	11 to 16 Amps	120-208- 240VAC	Yes

	Model	Capacity (@ 80°F/60% RH)	Current Draw	Voltage	Includes In-Room Fan Pack
	AS150-V2	1,200 pints/ day	55 Amps	208VAC, 3 Phase	Yes
	AS150-V4	1,200 pints/ day	24 Amps	480VAC, 3 Phase	Yes

ANDEN RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

MODEL A710

anden

VLGR
TECHNOLOGY™
PATENT PENDING

The Anden A710 features VLGR technology, which modulates the refrigeration system based on the load, allowing you to maximize VPD and provide greater control during late flower conditions.



W: 44 7/8" H: 34 13/32" L: 31 23/32"

This Variable-speed, Low Grain Refrigerant dehumidifier is designed exclusively for cultivation, delivering the most moisture removal on the market for your initial investment. Simply put, Anden offers the highest value meaning MORE pints per penny.

.....

THE MOST WATER FOR YOUR DOLLAR.

The Anden A710 offers the highest value on the market in terms of dollars per pint of moisture removed.

DESIGNED FOR GROW. TUNED FOR MAX VPD.

The Anden A710 gives you tight control over VPD across grow conditions and unlocks the ability to control terpene production, enhance color profiles, and increase THC levels.

VPD PERFORMANCE ACROSS ALL GROW CONDITIONS.

The variable speed refrigeration system keeps your dehumidifiers running during the challenging late flower stage where single-speed dehumidifiers require frequent defrost cycles.

High capacity. Maximizes VPD.
Optimized for late flower.



Maximize Amp Usage



Optimal VPD Performance



Fast, Smooth Startup to Peak Performance



Late-Flower Optimization



Variable-speed, Low Grain Refrigerant



High Capacity



Tight Controls

MEDIUM-CAPACITY, COMMERCIAL-GRADE DEHUMIDIFIER

70 TO 130 PPD IS PERFECT FOR THE CRAFT FARMER



Designed and Built for Cultivation.

Our high-capacity, grow-optimized dehumidifiers can remove up to 320 pints of moisture per day and circulate up to 830 cubic feet per minute. Designed and built for professional cultivation, with components proven to perform in the grow room environment. Setup is simple, and humidity is constantly controlled to help prevent crop disease and pests. Complete with a 5-year warranty.

- MERV 11 Filtration to keep the equipment clean & operating at peak efficiency
- Three control options to match how you manage your grow facility
- 5 year comprehensive warranty



- 70** PINTS PER DAY at 80°F/60% RH
- 100** PINTS PER DAY at 80°F/60% RH
- 130** PINTS PER DAY at 80°F/60% RH

“THE NUMBER ONE DIFFERENCE BETWEEN ANDEN AND THE OTHERS IS THE PRODUCT ITSELF - IT'S JUST SUPERIOR.”
- JOSHUA S., DIRECTOR OF CULTIVATION AT THE ORIGINALS

Quick Sizing Guidance

Anden Model	Pints Per Day Capacity @		Voltage	Pints/kWH 80° F/60% RH	Unit sizing based on number of lights 80° F/60% RH
	80° F/60% RH	75° F/55% RH			
A70	70	60	120	4.4	3.5 lights
A100	100	75	120	5.5	5 lights
A130	130	95	120	6.1	6.5 lights

IF YOU'RE IN THE MARKET FOR A
**DEHUMIDIFIER OR STEAM
GENERATOR** FOR YOUR GROW,
DON'T WASTE YOUR TIME
LOOKING ANYWHERE ELSE.

**ANDEN IS THE
ONLY WAY TO GO.**

HIGH-CAPACITY STEAM HUMIDIFICATION

UP TO
1200
PINTS
PER DAY
at 80°F/60% RH



CLEAN, STERILE STEAM

Anden AS150 High-Capacity Steam Humidifier with



Vapor-logic® works directly with your grow management software for convenience and ease of application. Three power configurations give you the flexibility to match your facility's power; 208 3ph, 240 3ph or 480 3ph.



High Capacity



Hyperfast Adsorption



Fan Pack Included*

Modulating control of humidity

Maintains the extremely precise RH levels required in the growing and curing environments.

*No Duct Work Needed

MEDIUM-CAPACITY STEAM HUMIDIFICATION

UP TO
277
PINTS
PER DAY
at 80°F/60% RH



Built-In Fan Pack - Designed to mount directly on top of the humidifier or above the humidifier at canopy height for easy, ductless installation and even steam distribution

Electrode Technology - Steam is created by passing energy between two electrodes in the disposable steam cylinder for fast, clean, and efficient moisture production

Easy to Maintain - The electrode heating system removes the need for cleaning the steam canister. When needed, you can simply replace the canister

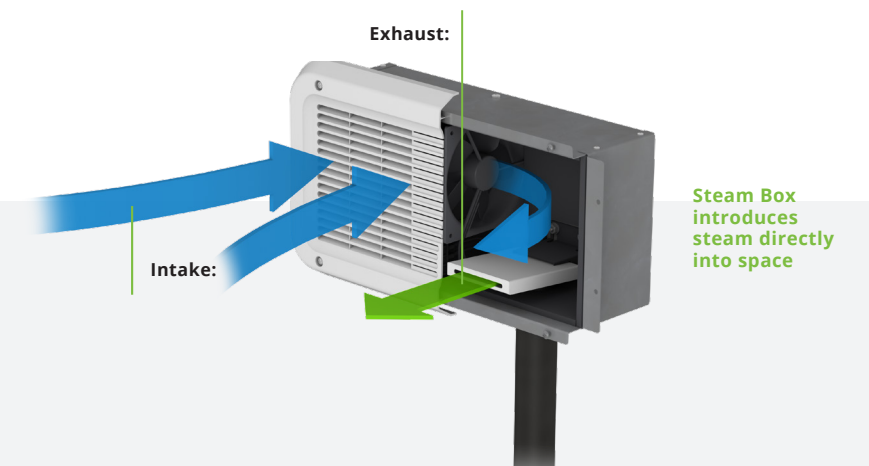
Flexible Installation - The AS35FP works with your existing ductwork to evenly distribute moisture throughout your facility

Included Control - Humidistat Model A65 offers dedicated monitoring and control of each steam humidifier at canopy height

Display Panel - Shows fill, drain, steam operations, and diagnostics alongside the on/off power switch

Backflow Protection - The air gap built into the fill cap prevents excessive pressure buildup

Water Level Sensor - The humidifier automatically manages the water level in the steam canister to prevent overfilling



SUSTAINED QUALITY AND DEPENDABILITY

REVERSE OSMOSIS WATER TREATMENT SYSTEMS

ANDEN WATER TREATMENT: YOUR SOLUTION FOR VERSATILE, LOW-MAINTENANCE WATER PURIFICATION

Anden Water Treatment stands as a flexible, configurable, and expandable design, adept at meeting the diverse demands of indoor agriculture. Crafted using time-tested components, our reverse osmosis systems are engineered to provide years of dependable operation with minimal upkeep, thanks to hassle-free filter changes and a significant reduction in maintenance requirements for connected equipment.

What sets our system apart is its innovative front-only maintenance feature, which simplifies access to the system. Replacing membranes is a breeze – just slide the racks effortlessly, eliminating the need to navigate tight spaces or contend with surrounding equipment. Plus, our user-friendly filter housing is conveniently accessible from the front, making maintenance a seamless and efficient process. Experience water purification with unprecedented ease and reliability with the Anden Water Treatment System.

COMPREHENSIVE CONTROL WITH VAPOR-LOGIC CONTROLLER

Anden includes the most advanced controller, Vapor-logic®, with every RO Water Treatment Systems, delivering improved communications and comprehensive management. Alarms quickly inform the users of issues or changes for easy monitoring facilitating corrective action of the system.



SKIDDED INSTALLATION SOLUTIONS

Streamline setup with Anden's skidded RO systems. These pre-assembled units minimize installation time, save on labor costs, and ensure a fast, efficient start-up.



Model	AWS03 (120V) AWS03-V2 (220 - 240)*	AWS06-V2 (208-240V) AWS06-V4 (480V)	AWS10-V2 (208-240V) AWS10-V4 (480V)	AWS13-V2 (208-240V) AWS13-V4 (480V)	AWS19-V2 (208-240V) AWS19-V4 (480V)
Permeate flow rate, GPD (LPD) 77°F (25°C) or lbs/hr (kg/hr) (see Note 4)	3,000 (11,350) 1,040 (470)	6,500 (24,600) 2,250 (1,020)	10,000 (37,850) 3,475 (1,580)	13,000 (49,200) 4,510 (2,050)	19,000 (71,910) 6,600 (3,000)
50°F (10°C) or lbs/hr (kg/hr) (see Note 4)	2,381 (9,013) 829 (376)	5,159 (19,528) 1,795 (814)	7,937 (30,044) 2,762 (1,253)	10,317 (39,054) 3,590 (1,628)	15,808 (59,840) 5,500 (2,495)
System voltage/phase, Amp draw with RO components (see Note 1)	220-240/3, 10.0 120/1, 19.2	480/3, 6.0 208-240/1, 15.4	480/3, 6.0 208-240/1, 15.4	480/3, 6.0 208-240/1, 15.4	480/3, 6.0 208-240/1, 15.4
Fuse size with RO components (see Note 2)	220/3, 15 120/1, 25	480/3, 15 220/3, 20	480/3, 15 220/3 20	480/3, 15 220/3, 20	480/3, 15 220/3, 20
Dimensions (W/D/H), inches (mm)	28/26/63 (711/660/1600)		37/26/63 (940/660/1600)		46/26/63 (1181/660/1600)
Shipping weight, lbs (kg)	470 (213)	540 (245)	645 (293)	705 (320)	870 (395)
Operating weight, lbs (kg) (see Note 5)	510 (231)	620 (281)	775 (352)	875 (397)	1100 (499)
RO pump motor power, hp (kW)	1 (0.75)	3 (2.2)			
Qty. of RO membranes	2	4	6	8	12

- SS membrane housings
- Pressure gauges
- Rotameters for flow measurement
- Permeate TDS monitoring/alarm
- Vapor-Logic Controller with comprehensive system monitoring
 - Visual alarms
 - Run time monitor
 - Leak sensor connection
- Low pressure switch with Auto restart
- Connection for pretreatment interlock
- Pressure control connection for bladder tank operation
- Remote alarming via BACnet
- Hygienic Design
 - Permeate divert
 - Hygienic flush if the system is inactive
 - Membrane flush options

**3,000-19,000
GPD**

Complete line of Commercial
RO systems

**98%+
TDS**

Total Dissolved
Solids Removal

**EXPANDABLE
DESIGN**

From 6,500 to 19,000 GPD,
the System Grows With You

**CONTROL
YOUR
GROW**™ 



**FOR PROFESSIONAL SIZING
OR TECHNICAL SUPPORT,
GIVE US A CALL**

800.972.3710

TECHNICALSUPPORT@ANDEN.COM

ANDEN.COM