

# AIRRAIDER™ 433 & 321 SERIES

## THE AERATION SYSTEMS THAT SET THE STANDARD FOR RADON IN WATER REMOVAL.

AIRRaider 433 models have reliably removed radon and VOCs from well water for 20+ years, providing the standard by which other radon in water aeration equipment is measured. The 321 models are the best choice when the more powerful 433 is not required.

**Easy Maintenance** - Fully accessible, for easy cleaning from the top.

**No Sweating** - The double-wall foam-insulated tank will not sweat.

**Effective Aeration Methods** - 433 models use our exclusive multi-chamber bubble aeration; 321 models combine bubble and spray aeration.

**Lead Free** - Meets SDWA Reduction of Lead in Drinking Water Act requirements.

**2-Year Warranty\***



433-1

MODEL	P/N	SYSTEM VOLTAGE	BLOWER	PUMP	PLUMBING CONNECTION	FLOW RATE <sup>1</sup>	PSI RANGE <sup>2</sup>	RADON REDUCTION <sup>4</sup>	TANK DIMENSIONS
433	28426	115V UL Listed Control Panel	0.5hp Regenerative Blower 5.0 Amp	Sold Separately	¾" Quick Connect	up to 15 GPM <sup>3</sup>	PSIs Vary	up to 99+%	35"H x 34.25"W x 22"L
433-1	28427	115V UL Listed Control Panel	0.5hp Regenerative Blower 5.0 Amp	Sold Separately	1" Quick Connect	up to 20GPM <sup>3</sup>	PSIs Vary	up to 99+%	35"H x 34.25"W x 22"L
433-1TF	28338	115V UL Listed Control Panel	0.5hp Regenerative Blower 5.0 Amp	N/A	¾" FNPT Inlet 1 ¼" FNPT Outlet	up to 20 GPM <sup>3</sup>	N/A	up to 99+%	35"H x 34.25"W x 22"L
321	28424	115V UL Listed Control Panel	0.11hp Regenerative Blower 1.2 Amp	Sold Separately	¾" Quick Connect	up to 10 GPM <sup>3</sup>	PSIs Vary	up to 95+%	35"H x 34.25"W x 22"L

\* 2 year limited warranty. Inquire for details.

1 Flow rate out of system must be balanced to be less (approx. 1 gal) than flow rate into system.

2 Range may vary slightly

3 GPM dependent upon repressurization selection. Higher flow rates will require proper sizing.

Please call for sizing and technical assistance.

4 Site-specific characteristics and system implementation may affect performance.



All AIRRaider™ models are covered by our 2-year, hassle-free warranty.

**For Further Information, Contact Your Radon Professional:**

# Tank Features Include:

## Attractive look

All mechanicals are on one side for cleaner aesthetics.

## Versatile electrical connections

The electrical panel can be mounted on either side of the tank to allow left or right connections or can be all mounted.

## Easy-access internal tank design

Removable baffles improve already easy cleaning and maintenance of the 433 series.

## Ultra-tight lid sealing method

Molded-in brass t-nuts and stainless steel machine screws provide a tight, mechanically positive seal.

## PERFORMANCE & TECHNICAL INFORMATION

**Aeration Method:** Multi-stage, diffused bubble (433 models); spray and diffused bubble (321)

**Blower:** Regenerative Blower 3500 RPM 0.5HP 600 Watt

**Pump:** Sold Separately

**Pump Controller:** Sold Separately

**Solenoid Valves:** Normally Closed Class F120 VAC Stainless Valve Body 3/4" NPT

**Float Switches:** Two Floats: Lower Float to Turn System On/Off; Upper Float Guards against Overflow

**Electrical Requirements:** Dedicated Circuit

**115VAC:** Use a 20amp single pole breaker and, at minimum, 12/2 with ground electrical wire

**Radon Reduction:** Up to 99+% (433 models); Up to 95+% (321)

**Water Inlet, Outlet and Bladder/Repressurization Tank Connections:**  
433: 3/4" Quick Connect; 433-1: 1" Quick Connect;  
433-1TF: 3/4" FNPT Inlet, 1 1/4" FNPT Outlet

**Vent Outlet:** 3" for use with 2" or 3" PVC Vent Pipe (Supplied by Installer)

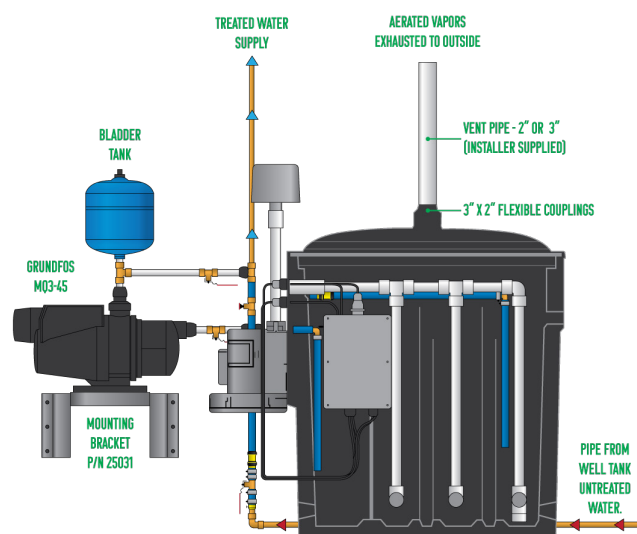
**Air Inlet:** Via 10 Micron Filter

**Tank:** Double Wall Insulated NSF Rated for Potable Water

**Tank Operating Capacity:** Up to 44 Gallons  
(Total Internal Volume 65 gallons)

**Recommended Repressurization Tank\*:** Tank requirements vary by pump and pump size

## TYPICAL SYSTEM INSTALLATION



433 Shown in Above Graphic



[www.RadonAway.com](http://www.RadonAway.com)  
800-767-3703