



# AIRRaider 433-S Series NEW Tank Design

The “S” stands for Submersible Pump.

The Best Aeration System for Radon in Water Just Got Better!

The 433-S Series takes the AIRRaider 433's 17 years of proven effectiveness and dependability and adds the benefits of a built-in submersible pump:

- ✓ Easier Installation  
No separate pump and pipes to install
- ✓ Smaller Footprint  
Unobtrusive, compact design
- ✓ Easy Maintenance  
Fully accessible from the top for easy cleaning
- ✓ Quieter Operation  
The built-in pump reduces audible level of pump noise
- ✓ No Sweating  
The double-wall foam-insulated tank will not sweat

## New Tank Features Include:

**Attractive new look:** All mechanicals are on one side for cleaner aesthetics. Also includes built-in bypass.

**Versatile electrical connections:** The electrical panel can be mounted on either side to allow left or right connections.

**Internal tank design:** With removable baffles, the new design improves upon the 433-S Series' already easy cleaning and maintenance.

**New lid sealing method:** The familiar 433-S lid clips are replaced by molded in brass t-nuts and stainless steel machine screws to provide an even better, mechanically positive seal.



800-767-3703

# AIRRaider 433-S Series



## Performance and Technical Information

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

**Pump:** Integral Stainless Steel Goulds Submersible

**Pump Controller:** Pump Controller with Flexcon Smart Valve to Regulate Pump Pressure and Reduce On/Off Cycling

**Solenoid Valves:** Normally Closed Metal Housed Class F120 VAC Buna-N Seal Brass Valve Body 3/4" NPT

**Float Switches:** Three Floats: Middle Float to Turn System On/Off; Upper Float Guards against Overflow; Lower Float Protects Pump from Potential "Run Dry" Condition

**Electrical Requirements:** Dedicated Circuit

**433-S50** 115VAC: Use a 20amp breaker and, at minimum, 12/2 with ground electrical wire

**433-S75** 230VAC: Use two 15amp breakers and, at minimum, 14/3 with ground electrical wire

**Recommended Flow:** Up to 16 GPM

**Radon Reduction:** Up to 99+%

**Water Inlet/Outlet Connections:** 3/4" Quick-Connect Shark Bite to Suit 3/4" Pex or Copper

**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 42 Gallons (Total Internal Volume 65 gallons)

<b>Model*</b>	433-S50	433-S75
<b>P/N</b>	28330	28325
<b>System Voltage</b>	115V UL Listed Control Panel	230V UL Listed Control Pane
<b>Blower</b>	0.5 hp Regenerative Blower 5.0 Max Amp.	0.5 hp Regenerative Blower 2.5 Max Amp.
<b>Pump</b>	1/2 hp Goulds Submersible 9.0 Max Amp	3/4 hp Goulds Submersible 5.3 Max Amp
<b>Plumbing Connection</b>	3/4" Shark Bite	3/4" Shark Bite
<b>Flow Rate<sup>1</sup></b>	up to 16 GPM <sup>4</sup> @ 40 PSI	up to 16 GPM <sup>4</sup> @ 50 PSI
<b>PSI Range<sup>2</sup></b>	40-60	50-70
<b>Radon Reduction<sup>3</sup></b>	up to 99+%	up to 99+%
<b>Tank Dimensions</b>	35"H x 34.25"W x 22"L	35"H x 34.25"W x 22"L

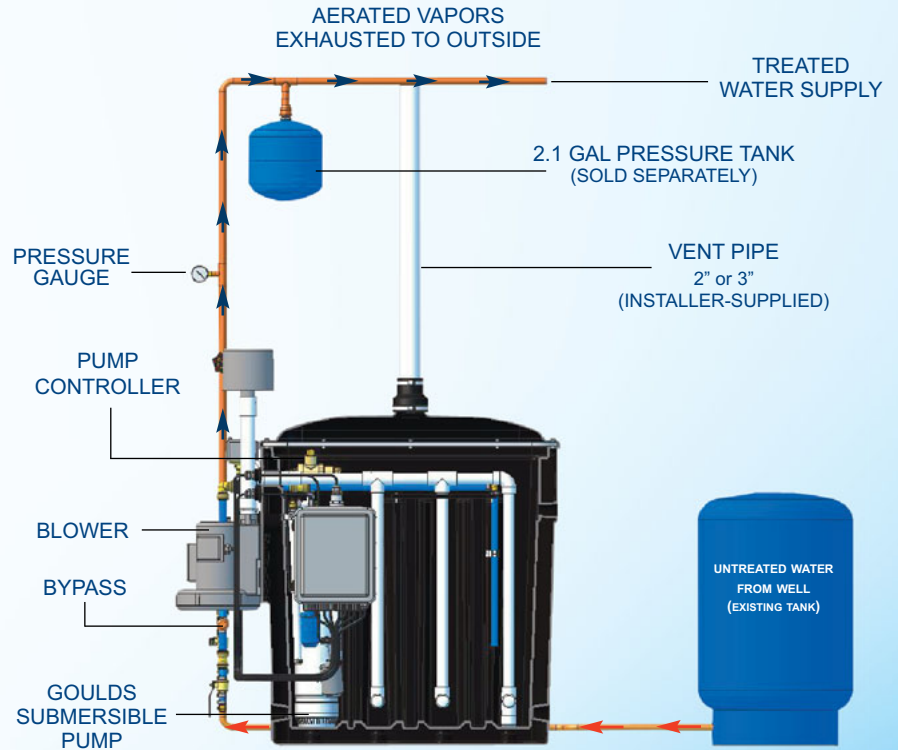
\* 2 year limited warranty. Inquire for details.

1 Flow rate out of system must be balanced to be less than flow rate into system.

2 Range may vary slightly

3 Site-specific characteristics and system implementation may effect performance.

4 Higher flow rates will require proper sizing. Please call for sizing and technical assistance.



Typical System Installation

Dealer:

RadonAway™

800-767-3703

Ward Hill, MA  
www.radonaway.com

