

# 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) 539-1100



## AIRaider 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-S75230VAC:** 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

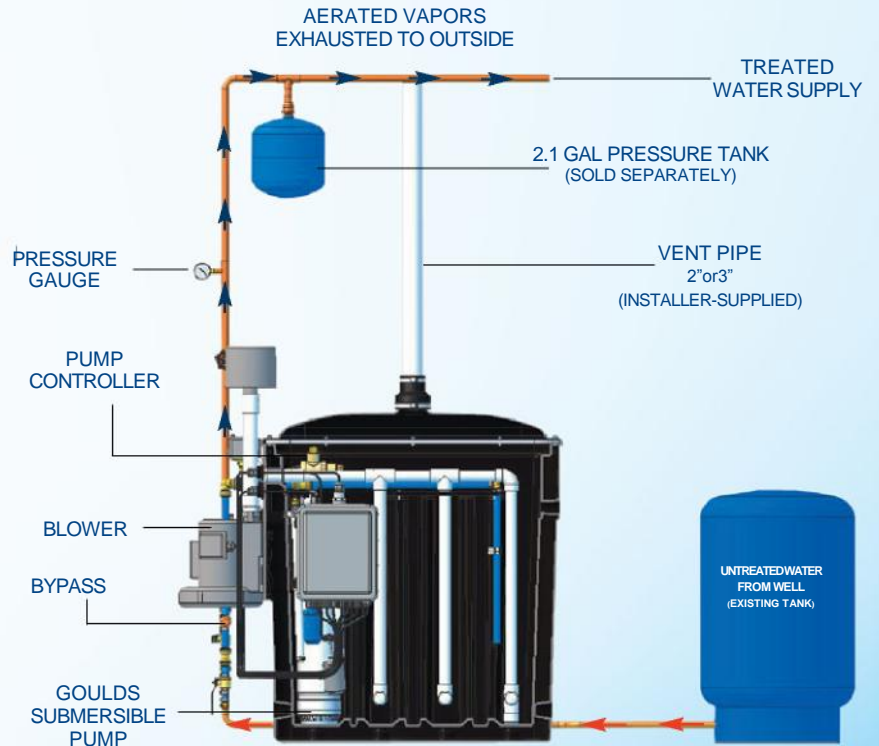
**Vent Outlet:** 3" for use with 2" or 3" PVC Vent Pipe (Supplied by Installer)

**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)

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



Typical System Installation

\*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.

Dealer:



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