

AIRRAIDER™ S SERIES

THE BEST AERATION SYSTEMS FOR RADON IN WATER KEEP GETTING BETTER!

The S Series AIRaider models take the AIRaider's 20+ years of proven effectiveness and dependability and add 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, for easy cleaning from the top.

Quieter Operation - The built-in pump reduces audible level of pump noise.

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

Hands-Free Startup - When switch is on, the S50X model will start automatically as needed.

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



433-S50X-1

MODEL	P/N	SYSTEM VOLTAGE	BLOWER	PUMP	PLUMBING CONNECTION	FLOW RATE ¹	PSI RANGE ²	RADON REDUCTION ⁴	TANK DIMENSIONS
433-S50	28428	115V UL Listed Control Panel	0.5hp Regenerative Blower 5.0 Amp	½hp Submersible 9 Amp Built-In	¾" Quick Connect	up to 16 GPM ³ @40PSI	40-60	up to 99+%	35"H x 34.25"W x 22"L
433-S50X	28429	115V UL Listed Control Panel	0.5hp Regenerative Blower 5.0 Amp	½hp Submersible 9 Amp Built-In	¾" Quick Connect	up to 16 GPM ³ @40PSI	40-60	up to 99+%	35"H x 34.25"W x 22"L
433-S50X-1	28473	115V UL Listed Control Panel	0.5hp Regenerative Blower 5.0 Amp	½hp Submersible 9 Amp Built-In	1" Quick Connect	up to 16 GPM ³ @40PSI	40-60	up to 99+%	35"H x 34.25"W x 22"L
321-S50X	28425	115V UL Listed Control Panel	0.11hp Regenerative Blower 1.2 Amp	½hp Submersible 9 Amp Built-In	¾" Quick Connect	up to 10 GPM ³ @40PSI	40-60	up to 95+%	35"H x 34.25"W x 22"L

* 2 year limited warranty. Inquire for details.

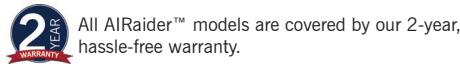
1 Flow rate out of system must be balanced to be less (approx. 1 gal) than flow rate into system.

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.



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-chamber, diffused bubble (433-S models); spray and diffused bubble (321-S50X)

Blower: Regenerative Blower 3500 RPM 0.5HP 600 Watt

Pump: Integral Stainless Steel Submersible Repressurization Pump

Pump Controller: Pressure Regulator with 40/60 Pressure Outlet to Regulate Pump Pressure, Flow and to Reduce On/Off Cycling. (Pressure Regulator Not Included in 433-S50X).

Solenoid Valves: Normally Closed Class F120 VAC Stainless Valve Body $\frac{3}{4}$ " 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
Use a 20amp, 115 VAC, single pole breaker and, at minimum, 12/2 with ground electrical wire

Radon Reduction: Up to 99+% (433-S models); Up to 95+% (321-S50X)

Water Inlet, Outlet and Bladder/Repressurization Tank Connections:
 $\frac{3}{4}$ " Quick-Connect to Suit $\frac{3}{4}$ " Pex or Copper (except 433-S50X-1, which uses 1" Quick Connect)

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

Air Inlet: Via 10 Micron Filter

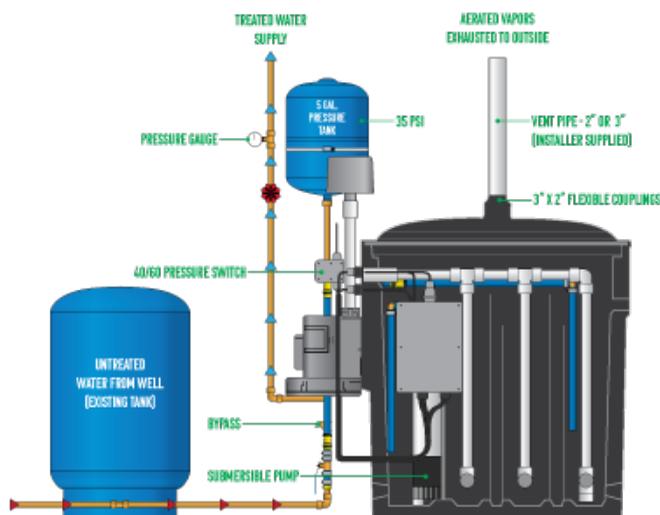
Tank: Double Wall Insulated NSF Rated for Potable Water

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

Recommended Repressurization Tank*: Minimum 5 Gallon (S50); 20 Gallon (S50X)

* Sold Separately

TYPICAL SYSTEM INSTALLATION



S50 SHOWN IN ABOVE GRAPHIC

RadonAway

www.RadonAway.com
800-767-3703