

# 2021-2022



# RadonAway<sup>®</sup>

PRODUCTS FOR RADON PROFESSIONALS

Radon Fans & System Components • Diagnostics & Radon Testing • Radon in Water Removal  
Indoor Air Quality & Ventilation • Training & Business Tools

[RADONAWAY.COM](http://RADONAWAY.COM) | 800-767-3703

Prices effective June 1, 2021

# COMMITMENT & PRIORITIES

## OUR COMMITMENT

The RadonAway® brand was created to meet the needs of the radon mitigation industry for reliable radon testing and mitigation supplies along with rapid, courteous service. For over 30 years, we have been committed to providing the highest quality testing and mitigation products and services. We continue to expand our product lines to meet your needs and to provide convenient one-stop shopping for you and your business.

## OUR PRIORITIES

### **Our main priority is our customers.**

At RadonAway, every idea, every product, every service is developed with you in mind. We don't just build and distribute mitigation products, we build relationships. As your one-stop shop, we team up with you to provide fast, accurate order delivery so you can be on your work site on schedule with the products, supplies, and accessories you need to do the job right.

### **Easy Access**

You can order our radon testing and mitigation products and accessories 4 convenient ways:

- Online, 24/7, through radonaway.com
- By phone, by calling our customer service professionals at MA/CO 800-767-3703 and IN 800-523-2084
- Via email, at orders@radonaway.com (MA/CO) or office@spruce.com (IN)
- By fax, at 978-521-3964

### **Fast Delivery**

To help you serve your customers better, we strive to provide fast, accurate order delivery.

- We ship from 6 locations: Massachusetts, Indiana, Pennsylvania, Colorado, North Carolina and Ontario Canada. (Please note that inventory varies in each of our warehouses).
- Online orders, orders received after business hours, on weekends or holidays will be processed the next business day.
- Please contact Customer Service for specific shipping inquiries.



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# WHY CHOOSE RADONAWAY?



## Quality Products

Every product we manufacture or source is evaluated by a team of professionals from our engineering, production, marketing, sales and finance departments. Our fans are built by our own production staff with motors and housings engineered to our stringent specifications.



## Superior Customer Service

We take customer service seriously. Several of our customer service staff members are trained in radon measurement and mitigation; all attend regularly scheduled training sessions geared to ensure that they can listen to and understand your needs, answer your questions, and assist you in any way possible.



## Unparalleled Technical Expertise

Our technical support team is led by our own "Radon Rick" Saulen. Rick has been working with us and our customers for over 25 years, answering questions about products, diagnostics, system design, and much more. All members of the team are certified in radon mitigation and, combined, they have installed an estimated 100,000+ radon systems.



## Radon Training and Referral Program

We have trained thousands of radon professionals over the years. We have also provided more than 10,000 mitigation referrals to qualified mitigators over the last 20+ years by offering radon training courses and referral services that support your ability to further your knowledge and reach business goals.

## Industry / Community Support

We're not just the manufacturers and distributors of the leading products in the radon industry. We value our relationships with radon professionals, organizations, and companies, working together with them to advance the industry and provide a radon-safe indoor environment. We have long been supporters of the radon industry organization, American Association of Radon Scientists and Technologists (AARST), are a founding member of Cancer Survivors Against Radon (CanSAR), and support ALA LUNG FORCE Walks throughout the U.S. (See additional partners on p. 102).



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# FEATURED PRODUCTS

## NEW GX SERIES FANS

The innovative, powerful GX3, GX4 Pro Series Radon Fans use revolutionary patent-pending technology to effectively move more air in moderate to tighter soils and extreme climate conditions.

Features include:

- Eternalast™ polycarbonate plastic housing
- Built-in Water Management
- Vapor Tite™ Sealing Technology

See p. 11 for more details.

GX Pro Packs Available, see p. 16

\* Meets current ANSI/AARST Radon Mitigation Standards requirements.



## INTRODUCING 2 NEW HIGH SUCTION BLOWERS!

### HS2750

1-Stage Blower; CFM 20"WC / Max Suction 4 speed settings:  
5"/10"/15"/20" WC, max airflow 48 CFM

### HS5500

4-Stage Blower; CFM 50"WC / Max Suction 4 speed settings:  
20" / 30" / 40" / 50" WC, max airflow 53 CFM

Both HS Models Feature:

- New High performance, robust blowers
- Built-in, cover-mounted pressure gauge
- New, thicker, sound-absorbing insulation
- Easy blower replacement design

See p. 14 for more details.





# **RADON FANS & SYSTEM COMPONENTS**

# RP FANS

Our RP Pro Series fans include the RP145, the world's most popular radon fan, and the RP140, the only radon fan model designated as Energy Star® Most Efficient since 2017. Professionals choose RP fans for their quiet operation, reliability, and high air flow in porous sub-slab or sub-membrane materials.



RP145

## FEATURES

- **Eternalast™ polycarbonate plastic housing** (except RP380)
- Energy efficient
- Water-hardened motorized impeller
- Sealed seams to inhibit radon leakage (RP140 & RP145 double snap sealed)
- RP140 Energy Star® Most Efficient 2021
- ETL Listed for indoor or outdoor use
- Thermally protected motor
- Rated for commercial and residential use
- **FAN CURVES, PAGE 18**
- **ACCESSORIES, PAGES 24-25**



## SPECIFICATIONS

MODEL	FAN DUCT DIAMETER	WATTS	RECOM. MAX. OP. PRESSURE "WC	TYPICAL CFM vs. STATIC PRESSURE WC					RRNC Radon Fan Type <sup>1</sup>
				0"	0.5"	1.0"	1.5"	2.0"	
RP140	4"	15-21	0.7	135	70	-	-	-	RF1
RP145	4"	41-72	1.7	166	126	82	41	3	RF1, RF2
RP260	6"	47-65	1.3	251	157	70	-	-	-
RP265	6"	95-139	2.3	375	282	204	140	70	-
RP380	8"	96-138	2.0	531	415	268	139	41	-

<sup>1</sup>Suitable as designated by the Reducing Radon in New Construction Standard, RRNC. See chart p. 98.

## PRICING

MODEL	P/N	UNIT PRICE		
		1-3	4-7	8+
RP140	28460			
RP145	28461			
RP260	28462			
RP265	28463			
RP380	28464			

Quantity discounts determined by number of RadonAway® fans (any model) per order.

## DIMENSIONS

MODEL	DUCT DIAMETER	DEPTH	HEIGHT
RP140	4.5"	9.7"	8.5"
RP145	4.5"	9.7"	8.5"
RP260	6"	11.75"	8.6"
RP265	6"	11.75"	8.6"
RP380	8"	13.41"	10.53"

# XP/XR FANS

Our XP/XR Pro Series fans are often chosen for interior installations, where their compact size is preferred in tight spaces. These fans work well with very porous sub-slab/membrane materials, providing lower pressure and average flow.



XP151

## FEATURES

- **Eternalast™ polycarbonate plastic housing**
  - Low energy consumption
  - Low-profile design
  - Water-hardened, thermally protected motor
  - Sealed seams to inhibit radon leakage
  - ETL Listed for indoor or outdoor use
  - Rated for commercial and residential use
  - **FAN CURVES, PAGE 18**
  - **ACCESSORIES, PAGES 24-25**
- \*excludes XR261

**In 2019 we enhanced the performance of the XP151.**  
The impeller was re-engineered to provide better performance curves for air flow and pressure while maintaining reliability.



## SPECIFICATIONS

MODEL	FAN DUCT DIAMETER	WATTS	RECOM. MAX. OP. PRESSURE "WC	TYPICAL CFM vs. STATIC PRESSURE WC					RRNC Radon Fan Type <sup>1</sup>
				0"	0.5"	1.0"	1.5"	2.0"	
XP151	4"	53-70	1.4	167	127	77	-	-	RF1, RF2
XP201	4"	38-74	1.6	126	98	66	26	-	RF1
XR261 <sup>2</sup>	6"	67-117	1.6	217	149	87	27	-	-

<sup>1</sup>Suitable as designated by the Reducing Radon in New Construction Standard, RRNC. See chart p. 98.

<sup>2</sup>Currently not available with Eternalast™ housing

## PRICING

MODEL	P/N	UNIT PRICE		
		1-3	4-7	8+
XP151	28469			
XP201	28470			
XR261*	23019-1			

\*Currently not available with Eternalast™ housing

Quantity discounts determined by number of RadonAway® fans (any model) per order.

## DIMENSIONS

MODEL	DUCT DIAMETER	DEPTH	HEIGHT
XP151	4.5"	8.5"	9.5"
XP201	4.5"	8.5"	9.5"
XR261	6"	8.5"	9.5"

# LV175 FAN



**There's no need to hire an electrician with our LV175 fan.**

Just connect the power pack to the fan and to the outlet with the supplied connectors. If power spikes or lags, the power pack ensures that true 24 VDC remains constant.

## FEATURES

- **Eternalast™ polycarbonate plastic housing**
- 24 VDC
- Water-tight fittings included
- 2.0" max pressure
- 185cfm @ 0.0" WC
- 162cfm @ 0.5" WC
- <90 Watts
- ETL Listed for indoor and outdoor use
- Standard configuration 11' from electrical outlet to fan (5' from power supply)
- 10', 25' and 50' cable extensions available as accessories
- **FAN CURVES, PAGE 18**
- **ACCESSORIES, PAGES 24-25**



## SPECIFICATIONS

MODEL	FAN DUCT DIAMETER	WATTS	RECOM. MAX. OP. PRESSURE "WC	TYPICAL CFM vs. STATIC PRESSURE WC					RRNC Radon Fan Type <sup>1</sup>
				0"	0.5"	1.0"	1.5"	2.0"	
LV175	4"	35-75	1.9	185	162	132	88	12	RF1, RF2

<sup>1</sup>Suitable as designated by the Reducing Radon in New Construction Standard, RRNC 2.0. See chart p. 98.

## PRICING

MODEL	P/N	UNIT PRICE		
		1-3	4-7	8+
LV175	28537			

Quantity discounts determined by number of RadonAway® fans (any model) per order.

## DIMENSIONS

MODEL	DUCT DIAMETER	DEPTH	HEIGHT
LV175	4.5"	9.7"	8.5"

# GX FANS



**Experience the POWER of a GX Series Fan!** With their revolutionary patent-pending design and capable of operating at up to 5" of vacuum, our GX fans' power will blow you away. Choose these GX fans for use with moderate to tight soils. These fans are 2 inches shorter but interchangeable with some GP models.

## FEATURES

- **Eternalast™ polycarbonate plastic housing**
- New revolutionary impeller
- Water-hardened thermally-protected motor
- **Vapor Tite™ Sealing Technology to inhibit radon and soil gas leakage**
- Built in water management
- Rated for indoor or outdoor use
- Rated for commercial or residential use
- ETL listed by Intertek to UL507 and CSA 22.2 Standards
- **FAN CURVES, PAGE 18**
- **ACCESSORIES, PAGES 24-25**



## SPECIFICATIONS

MODEL	FAN DUCT DIAMETER	WATTS	RECOM. MAX. OP. PRESSURE "WC	TYPICAL CFM vs. STATIC PRESSURE WC					
				0"	1.0"	2.0"	3.0"	4.0"	5.0"
GX3	3"	60-135	3.3"	115	96	72	40	-	-
GX4	3"	70-170	4.0"	117	99	83	59	20	-
GX5A*	4"	77-133	5.0"	174	150	121	87	50	8

\* Sealed to inhibit radon leakage, but does not use Vapor Tite™ Sealing Technology.

## PRICING

MODEL	P/N	UNIT PRICE		
		1-3	4-7	8+
GX3	28584			
GX4	28585			
GX5A	28536			

Quantity discounts determined by number of RadonAway® fans (any model) per order.

## DIMENSIONS

MODEL	DUCT DIAMETER	DEPTH	HEIGHT
GX3	3.5"	11.9"	10.9"
GX4	3.5"	11.9"	10.9"
GX5A	4"	11.9"	11.1"

# GP FANS

Our GP Pro Series fans are highly regarded for their dependability, versatility, and broad performance range in moderate to tight sub-slab/sub-membrane conditions. They are often chosen for installations where multiple suction points are necessary.



GP501

## FEATURES

- **Eternalast™ polycarbonate plastic housing**
- Quiet operation
- Water-hardened motor
- Seams sealed under negative pressure to inhibit radon leakage
- Mounts on duct pipe or with integral flange
- 3" diameter ducts for use with 3" or 4" pipe
- Electrical box for hard wire or plug in
- ETL Listed for indoor or outdoor use
- 4 interchangeable GP models
- **FAN CURVES, PAGE 19**
- **ACCESSORIES, PAGES 24-25**



## SPECIFICATIONS

MODEL	FAN DUCT DIAMETER	WATTS	RECOM. MAX. OP. PRESSURE "WC	TYPICAL CFM vs. STATIC PRESSURE WC					
				1.0"	1.5"	2.0"	2.5"	3.0"	3.5"
GP201	3"	31-67	1.8	54	42	-	-	-	-
GP301	3"	56-100	2.3	64	54	41	-	-	-
GP401	3"	62-128	3.0	-	61	52	44	22	-
GP501	3"	68-146	3.8	-	-	66	58	50	27

## PRICING

MODEL	P/N	UNIT PRICE		
		1-3	4-7	8+
GP201	28465			
GP301	28466			
GP401	28467			
GP501	28468			

## DIMENSIONS

MODEL	DUCT DIAMETER	DEPTH	HEIGHT
GP201	3"	12.5"	13"
GP301	3"	12.5"	13"
GP401	3"	12.5"	13"
GP501	3"	12.5"	13"

Quantity discounts determined by number of RadonAway® fans (any model) per order.

# SF180 FAN



**An attractive, low-profile fan with built-in moisture management.** Our SF180 concealed electrical disconnect, and rectangular, low profile design, has been designed to quietly and effectively reduce radon while blending in with electrical and utility boxes.

## FEATURES

- Color-stable PVC exterior
- Built-in moisture/condensate management
- Seams sealed under negative pressure to inhibit radon leakage
- Interchangeable with other fan models
- Mountable on 3" or 4" pipes
- Inlet/Outlet: 4.3" OD  
(4" PVC Sched. 40 size compatible)
- Designed to conceal electrical disconnect
- Quiet operation  
(Mounting method limits vibration transfer)
- **FAN CURVES, PAGE 19**
- **ACCESSORIES, PAGES 24-25**



## SPECIFICATIONS

MODEL	FAN DUCT DIAMETER	WATTS	RECOM. MAX. OP. PRESSURE "WC	TYPICAL CFM vs. STATIC PRESSURE WC			
				0"	0.5"	1.0"	1.5"
SF180	3" or 4"	53-71	1.7	149	127	96	61

## PRICING

MODEL	P/N	UNIT PRICE		
		1-3	4-7	8+
SF180	28317			

Quantity discounts determined by number of RadonAway® fans (any model) per order.

## DIMENSIONS

MODEL	DUCT DIAMETER	DEPTH	HEIGHT
SF180	4.3"	16"	17.5"

## ADAPTING SF180 TO 3" PIPE

## TECH TIP



Our PVC offset bushing (P/N 13165 on pg. 25) is designed specifically for adapting the SF180 to 3" PVC pipe. This bushing must be used for 3" pipe to prevent excessive condensation build-up in the fan. The fitting is 4.5" in diameter and has a 3.5" diameter socket to accept 3" PVC pipe. When installed properly, the bushing allows for condensation drainage from the bottom of the fan straight through to the PVC pipe.

The offset bushing can also be used on the discharge side of the fan to maintain the proper spacing, allowing the installer to run the stack straight up out of the fan without the need for other fittings. This bushing connects to the SF180 using standard 4 x 4 couplings. We suggest white couplings to complement the attractive install of the color-stable PVC exterior SF180.

# HS BLOWERS



**25 Times the Power!** Our High Suction blowers are chosen by professionals for use in radon and other soil gas mitigations where a high pressure blower is required. Our new HS2750 and HS5500 blowers have been designed with that need in mind.

## FEATURES

- 4 Blower speed settings
- 1-Stage blower (HS2750)
- 4-Stage blower (HS5500)
- Built-in vacuum gauge (40" for HS2750, 60" for HS5500)
- Integrated condensate bypass
- Designed for easy motor replacement
- Quiet operation
- ETL Listed
- 1-Year warranty, 2-Year extension with manufacturer's training certificate.
- **FAN CURVES, PAGE 20**
- **ACCESSORIES, PAGE 24-25**



## SPECIFICATIONS

MODEL	SPEED SETTING (Max. Op. Pressure: "WC@Sea Level)	TYPICAL CFM VS STATIC SUCTION WC								WATTS
		2.5"	5.0"	7.5"	10.0"	12.5"	15.0"	20.0"	25.0"	
HS2750	Low (5")	33	24	-	-	-	-	-	-	112-123
	Medium (10")	47	42	34	25	-	-	-	-	199-245
	High (15")	n/a	n/a	47	43	33	23	-	-	266-337
	Maximum (20")	-	-	-	-	48	43	24	-	361-463
MODEL	SPEED SETTING	5.0"	10.0"	20.0"	25.0"	30.0"	35.0"	40.0"	50.0"	WATTS
HS5500	Low (20")	44	39	22	-	-	-	-	-	243-281
	Medium (30")	-	-	53	41	36	22	-	-	372-477
	High (40")	-	-	-	45	39	31	22	-	527-625
	Maximum (50")	-	-	-	-	-	34	29	17	591-632

HS2000, HS3000 and HS5000 models will be available for a limited time. Call to order.

## PRICING

ITEM	P/N	UNIT PRICE		
		1-3	4-7	8+
HS2750	28595			
HS5500	28596			

## DIMENSIONS

MODEL	DUCT DIAMETER	WIDTH	DEPTH	HEIGHT
HS2750	3"	17.5"	9.0"	18.5"
HS5500	3"			

# GP500 FAN

**High Performance Alternative!** Professionals choose the GP500 in situations that require a high-performance box fan as an alternative to inline tube fans. It can provide coverage up to 1000 square feet per slab penetration.



GP500

## FEATURES

- High performance
- Attractive alternative to inline fan
- Two-year hassle-free warranty
- Thermally protected
- Internal condensate bypass
- **FAN CURVES, PAGE 20**
- **ACCESSORIES, PAGES 24-25**



Made in the USA with U.S. and imported parts.



## SPECIFICATIONS

MODEL	FAN DUCT DIAMETER	WATTS	RECOM. MAX. OP. PRESSURE "WC	TYPICAL CFM vs. STATIC PRESSURE WC					
				1.0"	1.5"	2.0"	2.5"	3.0"	3.5"
GP500	3"	85-153	3.8	-	-	51	45	35	18

## PRICING

MODEL	P/N	UNIT PRICE		
		1-3	4-7	8+
GP500	23003-1			

Quantity discounts determined by number of RadonAway® fans (any model) per order.

## DIMENSIONS

MODEL	DUCT DIAMETER	DEPTH	HEIGHT
GP500	3.5"	15"	12"

# RADONAWAY® PRO PACKS



## NEW GX & RP SERIES PRO PACKS!

*Now you can order our revolutionary new GX fans as well as our most popular radon fans using a single part number that includes the fan installation accessories you need.*

Choose your GX3, GX4, RP145 or RP265 Pro Pack with or without the RadonAway RSA1 Alarm\*, which provides audible and visible alerts.

### Included in all Pro Packs:

- GX3, GX4, RP145 or RP265 Fan
- White Spruce Couplings (2)
- RadonAway Easy-Read U-tube Manometer

\*RSA1 Alarm complies with the current ANSI/AARST Radon Mitigation Standards, providing audible and visible alerts.

RP145 PRO PACKS				
KIT CONTENTS	P/N	UNIT PRICE		
		1-3	4-7	8+
<ul style="list-style-type: none"> <li>• RP145</li> <li>• U-Tube Manometer</li> </ul>	<ul style="list-style-type: none"> <li>• 4 x 3 Couplings</li> <li>• RSA1 Alarm</li> </ul>	83009		
<ul style="list-style-type: none"> <li>• RP145</li> <li>• U-Tube Manometer</li> </ul>	<ul style="list-style-type: none"> <li>• 4 x 4 Couplings</li> <li>• RSA1 Alarm</li> </ul>	83010		
<ul style="list-style-type: none"> <li>• RP145</li> <li>• U-Tube Manometer</li> </ul>	<ul style="list-style-type: none"> <li>• 4 x 3 Couplings</li> </ul>	83012		
<ul style="list-style-type: none"> <li>• RP145</li> <li>• U-Tube Manometer</li> </ul>	<ul style="list-style-type: none"> <li>• 4 x 4 Couplings</li> </ul>	83011		
RP265 PRO PACKS				
KIT CONTENTS	P/N	UNIT PRICE		
		1-3	4-7	8+
<ul style="list-style-type: none"> <li>• RP265</li> <li>• U-Tube Manometer</li> </ul>	<ul style="list-style-type: none"> <li>• 6 x 4 Couplings</li> <li>• RSA1 Alarm</li> </ul>	83014		
<ul style="list-style-type: none"> <li>• RP265</li> <li>• U-Tube Manometer</li> </ul>	<ul style="list-style-type: none"> <li>• 6 x 4 Couplings</li> </ul>	83013		
GX PRO PACKS				
KIT CONTENTS	P/N	UNIT PRICE		
		1-3	4-7	8+
<ul style="list-style-type: none"> <li>• GX3</li> <li>• 3 x 3 Couplings</li> </ul>	<ul style="list-style-type: none"> <li>• U-Tube Manometer</li> </ul>	83020		
<ul style="list-style-type: none"> <li>• GX4</li> <li>• 3 x 3 Couplings</li> </ul>	<ul style="list-style-type: none"> <li>• U-Tube Manometer</li> </ul>	83021		

## HANDS-ON LEARNING

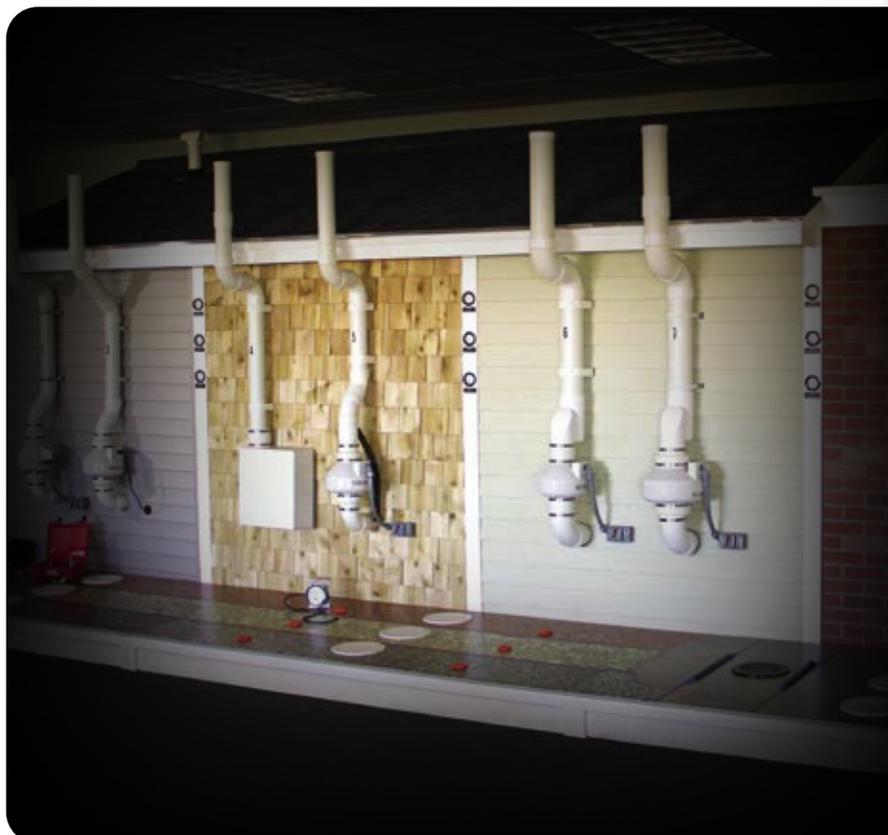
For about 2 decades, our highly regarded training program operated out of our Ward Hill, MA headquarters, with classes held in other locations, via live webinars, and through our self-guided online training platform. A few years ago, after acquiring and repurposing a neighboring building at our Ward Hill, MA headquarters, we built a basic training center, with a plan for upgrading it in the near future. Our training staff continues to work at our headquarters, but with the ability to bring students into our physical classroom and into our virtual classroom via simultaneous live webinars.

In the latter half of 2019, the future arrived, and we began to create more functionality by adding “hands on” stations to the existing training space for air mitigation and water treatment. The highlights of these additions include a fully operational AIRaider water treatment system and 24' wide building facade with installed fans and an engineered "slab" allowing for simulation of a wide range of sub-slab conditions. These new additions allow radon professionals to not only watch the experts demonstrate testing, diagnostics and installation products and techniques, but also try them out for themselves. For webinar attendees, the cameras bring the students into the “job site” so that they are as up close and personal as they might be at the actual site. They also have the ability to interact with our trainers and other students.

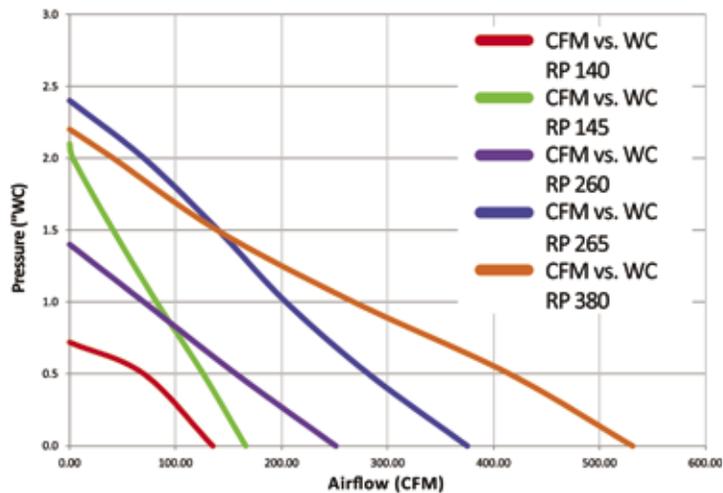
Watch your emails for announcements of courses or go to the Live Training Schedule and Course catalog on our Spruce Radon Training website,

<https://spruce.com/radon-training>

Also see pages 95-96 of this catalog for details about our entry-level, advanced and continuing education training courses for radon professionals.

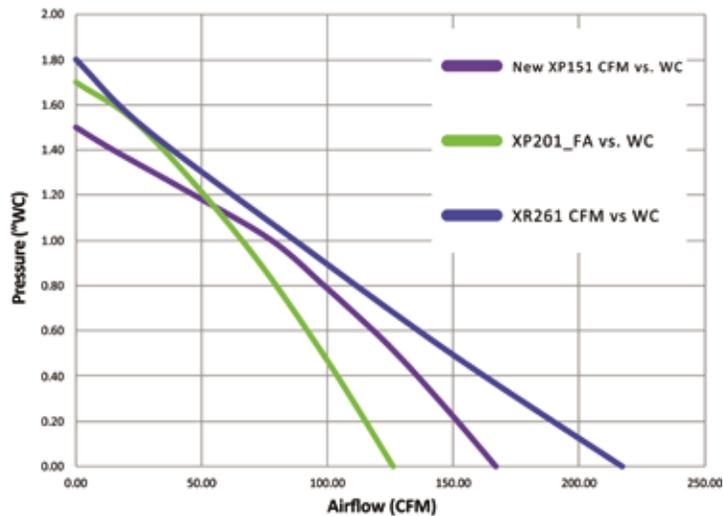


### RP Performance Curves



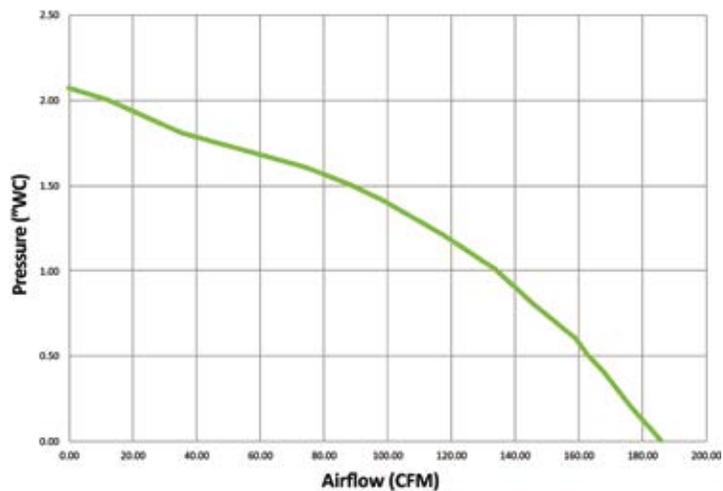
MODEL	d	D	H
<b>RP</b>			
RP140	4.5"	9.7"	8.5"
RP145	4.5"	9.7"	8.5"
RP260	6"	11.75"	8.6"
RP265	6"	11.75"	8.6"
RP380	8"	13.41"	10.53"

### XP-XR Performance Curves



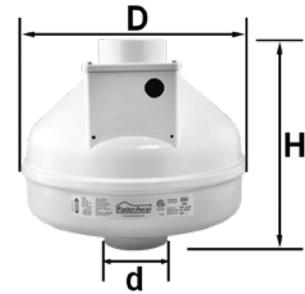
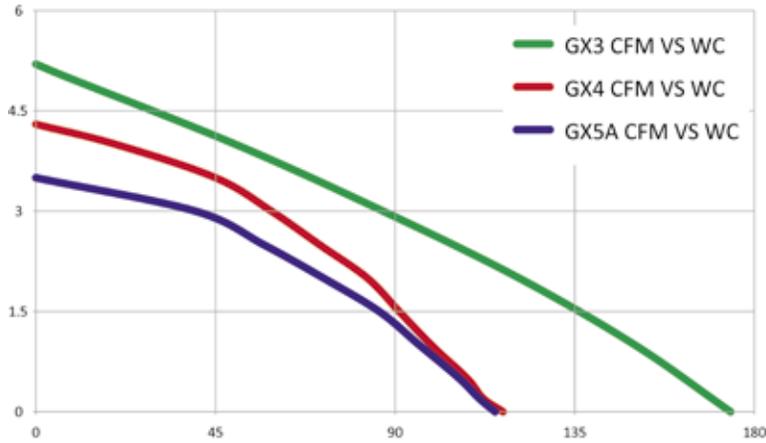
MODEL	d	D	H
<b>XP-XR</b>			
XP151	4.5"	8.5"	9.5"
XP201	4.5"	8.5"	9.5"
XR261	6"	8.5"	9.5"

### LV175 Performance Curve



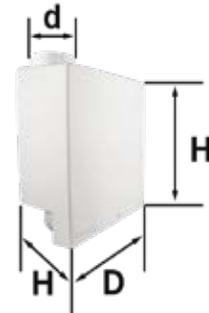
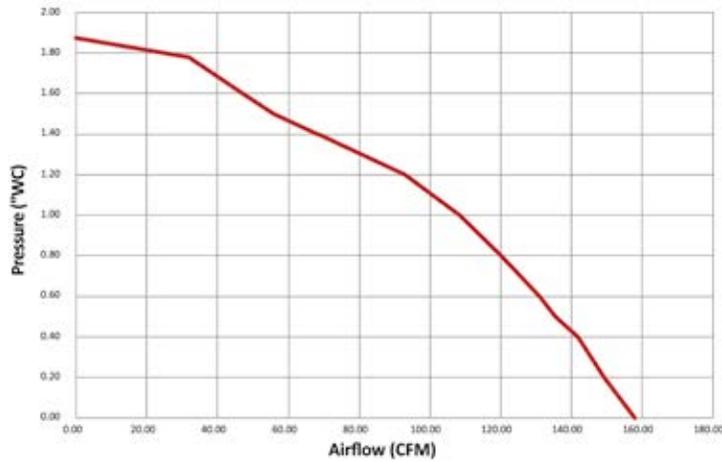
MODEL	d	D	H
<b>LV</b>			
LV175	4.5"	9.7"	8.5"

**GX Series Performance Curves**



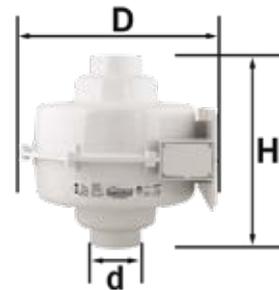
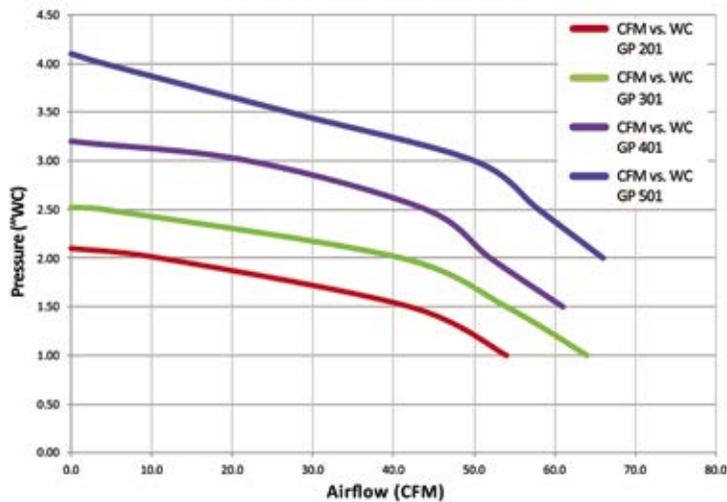
MODEL	d	D	H
<b>GX</b>			
GX3	3"	11.9"	10.9"
GX4	3"	11.9"	10.9"
GX5A	4.5"	11.9"	11.1"

**SF180 Performance Curve**



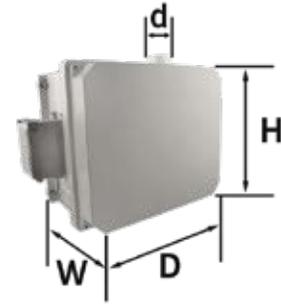
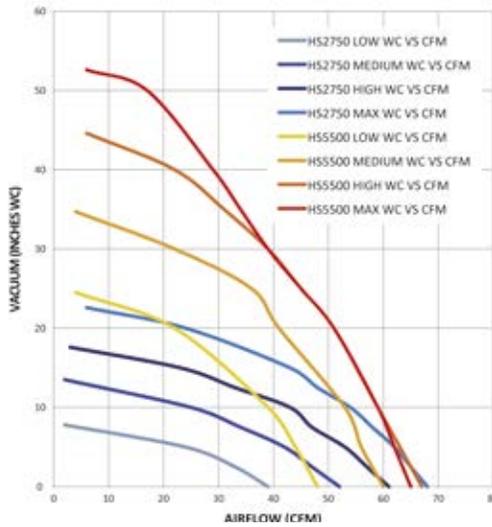
MODEL	d	D	H	W
<b>SF</b>				
SF180	4.3"	16"	17.5"	6.5"

**GP Performance Curves**



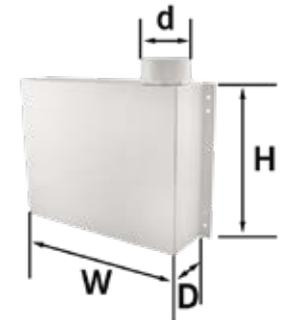
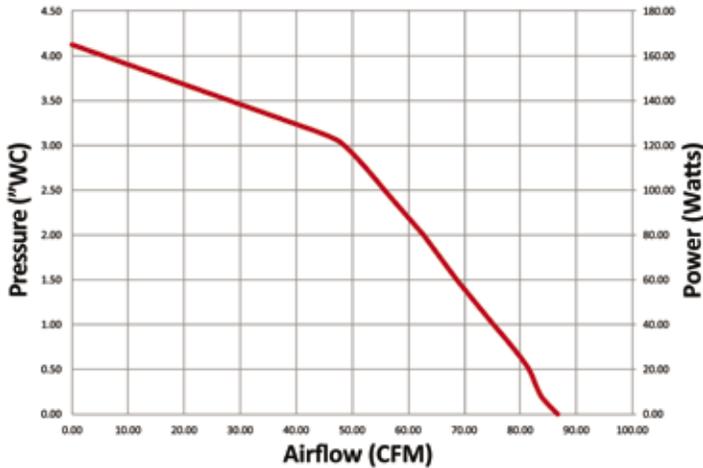
MODEL	d	D	H
<b>GP</b>			
GP201	3"	12.5"	13"
GP301	3"	12.5"	13"
GP401	3"	12.5"	13"
GP501	3"	12.5"	13"

**HS2750 & HS5500**



MODEL	d	D	H	W
<b>HS</b>				
HS2750	3.0" to 2.0"	17.5"	18.5"	9"
HS5500	3.0" to 2.0"	17.5"	18.5"	9"

**GP500 Performance Curves**

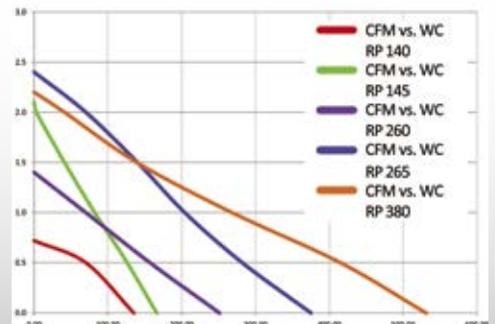


MODEL	d	D	H	W
<b>GP500</b>				
GP500	3.5"	15"	12"	4"



**TECH TIP USING A FAN CURVE CHART**

Fan curves show the performance of a fan in both pressure and airflow. They can be a helpful tool for mitigators when selecting the proper fan for the right application. It is important to first have diagnostic information for a particular project when designing a system. The total system pressure of the fan must be overcome to achieve the applied suction area goals (or PFE) and real-time airflow measurements. Other variables include total pipe length and size. Using this information with our charts can help mitigators avoid oversizing or undersizing a fan for the desired system: in other words, a quiet, energy efficient choice that will achieve the reduction goals.



# FANTECH FANS

## FEATURES

Fantech has introduced new radon fan models to replace the HP and FR fans. The models are:



Rn2SL  
28544

Rn1  
28541

- The Rn1, a low volume, Energy Star® rated low power consumption fan is used only where only minimal depressurization is needed.
- The Rn2, used for medium and low suction.
- The Rn3, for medium flow and medium suction.
- The Rn2SL, a low-profile model with LDVI couplings, an integral condensate bypass, and ice-breaker.

MODEL	P/N	SIZE	UNIT PRICE		
			1-3	4-7	8+
Rn1	28541	4"			
Rn2	28542	4"			
Rn2SL	28544	4"			
Rn3	28543	6"			

ITEM	P/N	UNIT PRICE
Fantech Mounting Bracket	67026	

## RADONAWAY RADON-T

### A Stable Base for New Construction Systems and Crawlspace

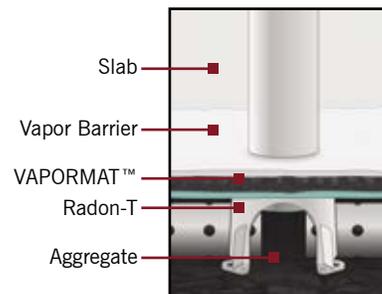


Single Radon T Kit  
28353

Designed and manufactured by RadonAway® to replace ordinary pipe fittings as a base for RRNC and crawlspace systems, the Radon-T stabilizes the vertical pipe, saddles over perforated pipe, provides better air flow, and prevents blockage by construction debris. It is also ideal for use with VAPORMAT™ (p. 55)

Watch a Radon-T installation at [radonaway.com/rrnc-t](http://radonaway.com/rrnc-t)

KIT	P/N	KITS INCLUDE	PRICE
Single Radon-T Kit	28353	- Radon-T Fitting - 4 Stakes for stabilization - Cap to prevent debris entry	
Contractor Pack (12 Kits)	28354	- Instruction guide - 4 Vent pipe labels	



Made in the USA with U.S. and imported parts.

# SPRUCE™ FLEXIBLE COUPLINGS

Manufactured to our own specifications, Spruce flexible couplings offer a high quality, cost-effective alternative for radon fan installations.

## FEATURES

- UV resistant, white
- Conforms to ASTM C 1173 and CSA B602
- Connects fan to PVC pipe quickly and easily
- Corrosion-resistant, rustproof stainless steel clamps
- Operating temperature range – 30° F to 140° F
- CA Prop 65 labels included



3" x 3" Coupling  
79220



4" x 4" Coupling  
79222



4" x 3" Coupling  
79221

	SIZE	DESCRIPTION	UNIT PRICE				
			P/N	QTY / CASE	SINGLE	1-4 CASES*	5+ CASES*
WHITE	2 x 2	2" x 2" Flexible Coupling	79232	100			
	3 x 3	3" x 3" Flexible Coupling	79220	40			
	4 x 3	3" x 4" Flexible Coupling	79221	30			
	4 x 4	4" x 4" Flexible Coupling	79222	30			
	6 x 4	6" x 4" Flexible Coupling	79227	20			

\*Price applies to case quantities only.

## FLEXIBLE COUPLING SIZING CHART

Unlike our Spruce couplings, the couplings most radon professionals use for mitigation systems are "repair" couplings widely used in the plumbing and sewage trades to adapt to different types and sizes of piping. When using the flexible couplings with our 6" and 8" fans, you might find that the model names do not match up precisely with the manufacturer's coupling name. Some connections may be a bit snug, but they do fit, and they are all that is available for making these connections.

Please use the chart below as an aid to better understand the names, sizing, and use of flexible couplings with RadonAway® fans.

SIZE	FLEX COUP. I.D.	MANUFACTURER'S MODEL NAME	PVC PIPE SIZE	RADONAWAY PRODUCT CONNECTION
2 x 2	2.45" x 2.45"	2" Plastic or Cast Iron to 2" Plastic or Cast Iron	2"	2" Fan: Discharge of HS Series Fan
2 x 3	2.45" x 3.45"	2" Plastic or Cast Iron to 3" Plastic or Cast Iron	2"	AIRraider™ Discharge Connection
3 x 3	3.45" x 3.45"	3" Plastic or Cast Iron to 3" Plastic or Cast Iron	3"	3" Fans: GP Series Fans, GX Series Fans, Intake of HS Series Fans
4 x 3	3.45" x 4.45"	3" Plastic or Cast Iron to 4" Plastic or Cast Iron	3" or 4"	4" Fans: RP140, RP145, XP Series 3" Fans: GP Series GX Series Fans
6 x 3	3.45" x 5.35"	3" Plastic or Cast Iron to 4" Clay	3"	6" Fans: XR261, RP260, RP265
4 x 4	4.45" x 4.45"	4" Plastic or Cast Iron to 4" Plastic or Cast Iron	4"	4" Fans: RP140, RP145, SF180, XP Series
6 x 4	4.45" x 5.75"	4" Plastic or Cast Iron to 4" Concrete	4"	XR261, RP260, RP265
8 x 4	4.39" x 8.52"	Cast Iron and Plastic to Cast Iron, Plastic	4"	RP380
6 x 6	5.18" x 6.45"	4" Clay to 6" Plastic or Cast Iron	4"	6" Fans: XR261, RP260, RP265
8 x 6	6.45" x 7.85"	6" Plastic or Cast Iron to 6" Concrete	6"	8" Fan: RP380
10 x 6	6.39" x 8.52"	Cast Iron and Plastic to Cast Iron, Plastic	6"	6" Fans: XR261, RP260, RP265
10 x 8	8.42" x 10.27"	Cast Iron and Plastic to Cast Iron, Plastic	8"	8" Fan RP380

# FERNCO FLEXIBLE COUPLINGS

## FEATURES

High performance flexible PVC couplings with stainless steel clamps. White couplings are UV tolerant and chemical resistant for attractive outdoor installations. Now available in white, black, and gray.



3" x 3" Coupling  
79037



4" x 3" Coupling  
79011



4" x 4" Coupling  
79180

	SIZE	FOR USE WITH	UNIT PRICE				
			P/N	QTY / CASE	< CASE	CASE	3+ CASES <sup>1</sup>
WHITE	3 X 3	GP Series, GX Series	79037	40			
	4 x 3	XP Series, GP Series, GX Series, RP140, RP145, LV175	79038	40			
	6 x 3	XR261	79152	20			
	4 x 4	XP Series, RP140, RP145, LV175, SF180; Fantech HP2190, HP2133, Rn1, Rn2 and Rn2SL	79040	40			
	6 x 4	XR261, RP260, RP265; Fantech FR150, HP220	79039	30			
	4.5 x 4	Fantech HP190	79055	20			
BLACK	2 x 2	HS Series	79020	40			
	2 x 3	HS Series	79027	40			
	3 x 3	GP Series, GX Series	79010	40			
	4 x 3	XP Series, GP Series, GX Series, RP140, RP145, LV175	79011	40			
	6 x 3	XR261	79050	20			
	4 x 4	XP Series, RP140, RP145, LV175, SF180; Fantech HP2190, HP2133, Rn1, Rn2 and Rn2SL	79012	40			
	4.5 x 4	Fantech HP190	79051	20			
	6 x 4	XR261, RP260, RP265; Fantech FR150, HP220 and Rn3	79013	20			
	8 x 4	RP380	79207	10			
	6 x 6	RP260, RP265	79228	10			
GRAY	8 x 6	RP380	79091	10			
	10 x 6	RP260, RP265, XR261, Fantech FR150, HP220, Rn3	79186 <sup>2</sup>	-			
	10 x 8	RP380	79187 <sup>2</sup>	-			
	3 x 3	GP Series, GX Series	79198	40			
	4 x 3	XP Series, GP Series, GX Series RP140, RP145, LV175	79197	40			
	4 x 4	XP Series, RP140, RP145, SF180, LV175; Fantech HP2190, HP2133, Rn1, Rn2, and Rn2SL	79180	40			

<sup>1</sup>Price applies to case quantities only.

<sup>2</sup>Drop ship only.

## ELECTRICAL CORD ACCESSORIES

ITEM	P/N	FOR USE WITH	PRICE	CASE
	27005	RP Series, XP/XR Series, GX Series, SF180		
	27009	RP Series, XP/XR Series, GX Series, SF180		
	27004	RP Series, XP/XR Series, GX Series, SF180		
	99030-2	RP Series, XP/XR Series, GX Series, GP500		
	99030-1	RP Series, XP/XR Series, GX Series, GP500		
	26015-10	LV175		
	26015-25	LV175		
	26015-50	LV175		
	98056	LV175		

# FAN INSTALLATION ACCESSORIES

ITEM	P/N	FOR USE WITH	PRICE	CASE
	Fan Mounting Bracket 25007	RP Series, XP/XR Series, LV175, GX3, GX4		
	RP380 Mounting Bracket 25033-1	RP380		
	Transition Fitting See p. 46 for details and quantity pricing 13245	RP Series, XP/XR Series, LV175, GX Series		
	3" x 4" PVC Offset Bushing See p. 46 for details 13165	SF180		
	Exterior Switch Kit 28328	SF180		
	2" Schedule 40 Vent Muffler See p. 41 for more sizes. 24002	HS Series		
	3" Hose Clamp 67013	GP500		
	Flexible Pipe Connector Kit 3.5" ID x 2' L 79019	GP500		

# RADONAWAY® U-TUBE MANOMETERS

The RadonAway® 4.5" Easy Read U-tube Manometer, installed in over a million homes to date, measures vacuum pressure, allowing the homeowner to know at a glance whether the radon system is operating.\* More recently we introduced our 6.5" Manometer for use with our GX5A fan, which is capable of achieving 5" of vacuum. These U-tube Manometers are packaged as part of a System Monitoring and Homeowner Information packet containing all labels and materials needed to comply with current standards.

\* This device does NOT measure radon levels.

Made in the USA with U.S. and imported parts.

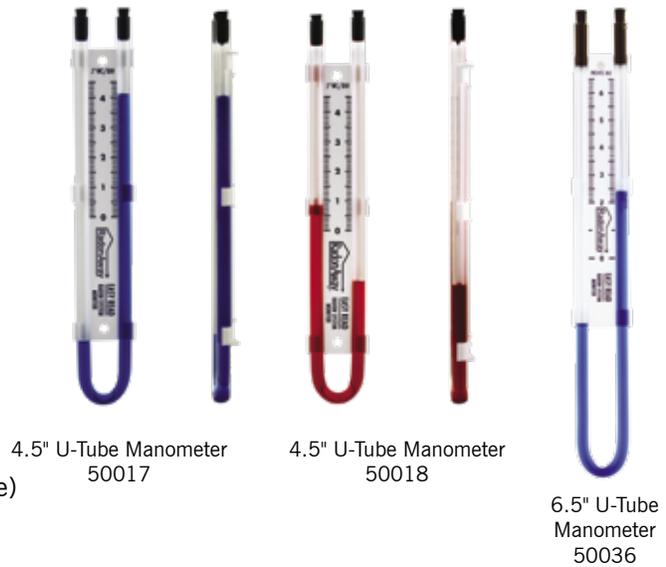
## FEATURES

- Reads 0-4.5" WC (0-6.5" WC for the 6.5" U-Tube)
- Non-toxic fluid
- Adjustable zero
- Molded scale curved to fit system pipe

## PACKET INCLUDES

- Easy Read U-tube Manometer (with tubing and 2 self-tap screws)
- Installation instructions
- System and component label package
  - Pipe labels (4 provided)
  - Fan circuit label (2 sizes provided)
  - System label
  - Sump label
- System information brochure
- Clear plastic bag with twist tie (for hanging information on system)

Additional monitors, p. 48-49.



4.5" U-Tube Manometer  
50017

4.5" U-Tube Manometer  
50018

6.5" U-Tube  
Manometer  
50036

## U-TUBE PACKET BENEFITS



The current standards specifies certain items that must be located with an ASD system in a "readily observable" indoor location. Our System Label Package and Homeowner Information brochure included with our U-tube kits help you to comply with the standard. After you install a system, just properly affix the labels and manometer, and either give the documentation to the homeowner or affix it in the provided clear plastic bag to an easily seen part of the system (usually on or near the manometer).

See standards, p. 100.

ITEM	COLOR	P/N	QTY / CASE	UNIT PRICE		
				< CASE	CASE	2+ CASES <sup>1</sup>
6.5" Easy Read U-tube Manometer <sup>3</sup>	Blue	50036	50			
4.5" Easy Read U-tube Manometer	Blue	50017	50			
	Red	50018	50			
Replacement Oil <sup>2</sup> (½ oz.)	Blue	20011	N/A			-
	Red	20014	N/A			-
U-tube Tubing	Clear	68162	N/A			
U-Tube Weatherization kit 6 Clamps & Tubes Kit (bag)	-	25067	N/A			

<sup>1</sup>Must be purchased in case quantity. <sup>2</sup>One bottle of the refill fluid will refill 4 ½ 4.5" U-tube Manometers; purchase 2 bottles for the 6.5" U-Tube.

<sup>3</sup>Required for use with the GX5A



Made in the USA with U.S. and imported parts.



# DIAGNOSTICS & RADON TESTING

**Short-term devices** are used for initial radon testing and to assess the performance of a radon mitigation system. The test device must remain undisturbed for 48 to 96 hours under closed house conditions. Available in packages with one or two test devices. Double devices are recommended for real estate transactions.

**Long-term devices** are recommended as the best way to determine exposure to radon during different seasons and living conditions. They are often used to confirm an elevated short-term test result. The test duration is 91 days to one year, and closed house conditions are not needed.

## Liquid Scintillation for Radon in Air

- Passive, short-term radon in air test device
- Test Duration: 2-3 Days
- Small, lightweight, convenient for large projects
- Activated carbon sampling method
- LS vial (2in1) has built in humidity controller
- Lower Limit of Detection (LLD) < 0.4 pCi/L
- Relative Percent Difference (RPD) < 10% consistently
- Available in single, double and bulk packaging

## Alpha Track for Radon in Air

- Passive, long-term radon in air test device
- Test Duration: 91 days to 1 year
- Rugged structural filter for both indoor and outdoor use
- Twin removable serial labels, human and bar code readable
- Chemical etching with new TASL system
- Clear, direct-read pouch reduces serial errors
- Hemispherical housing base for better track distribution
- Available in single, double and bulk packaging

ITEM		P/N	DESCRIPTION	QUANTITY BREAKS*		
				6-11	12-23	24+
	Liquid Scintillation Kit (Single)	28034-1	Short-term, 2 to 3 day test; includes one test vial, analysis, and return postage			
ITEM		P/N	DESCRIPTION	6 PACK	12, 18, 24	30+
	Alpha Track Kit (Single)	28033-1	Long-term (91 days to 1 year); includes one device, analysis, and return postage (Also available in Canada)			
	Liquid Scintillation Kit (Double)	28327	Recommended for real estate transactions; short-term, 2 to 4 day test; kit includes two test vials, analysis, and return postage			

\*Call for more information regarding our bulk test kit Pro Packs.



### NOTE

### SPECIAL PRICING

For Multi-Family Projects and Higher Level Lab Services, please contact your Sales Representative or the AccuStar Lab directly at MA 888-480-8812 / PA 800-523-4964. Call for special NJ details and prices. All test kit sales are final. No returns accepted. For faster delivery to the lab, ask about return UPS service.

## Charcoal Canisters for Radon in Air

- Passive, short-term radon in air test device
- Test Duration: 2-4 days  
(3-7 days for Diffusion Barrier Canisters)
- Environmentally sound: no waste (charcoal recycled)
- Analysis corrects for humidity
- Less likely to be accidentally disturbed due to canister's weight and low center of gravity  
(a consideration in homes with pets or children)
- Available in single, double and bulk packaging
- Rush analysis service available



ITEM	P/N	DESCRIPTION	QUANTITY BREAKS* Price per Unit		
			N/A	12-23	24+
	28573	2 to 4 day test; includes one 2.75" charcoal canister, analysis, and return postage			
	28556	Recommended for real estate transactions; 2 to 4 day test; includes two 2.75" charcoal canisters, analysis, and return postage			
ITEM	P/N	DESCRIPTION	6 PACKS ONLY	12, 18, 24	30+
	28139	2 to 4 day test; includes one 4" charcoal canister, analysis, and return postage			
	28557	Recommended for real estate transactions; 2 to 4 day test; includes two 4" charcoal canisters, analysis, and return postage			
	28558	Diffusion barrier reduces the effects of drafts; 3 to 7 day test; includes one 4" diffusion barrier charcoal canister, analysis, and return postage			
	28559	Recommended for real estate transactions. Diffusion barrier reduces the effects of drafts; 3 to 7 day test; easy to use; includes two 4" diffusion barrier charcoal canisters, analysis, and return postage			

\*Call for more information regarding our bulk test kit Pro Packs.



## Liquid Scintillation for Radon in Water

Proper sampling is the most important step in obtaining reliable results for analysis of drinking water. AccuStar's LS water test kit and analysis help to ensure that your sample will produce an accurate result. Minimum sample volume is 20 ml.

Kit includes: boro-silicate glass VOA sample collection vial with Teflon septa cap water collection vial, instructions, return mailing box with postage-paid label, laboratory analysis, and written report via e-mail or mail.



28140

## Analysis Methodology

10 ml of the water sample is transferred into a glass scintillation vial containing a scintillation cocktail. Radon diffuses from the water sample into the scintillation cocktail and is allowed to equilibrate and dark adapt for a minimum of three hours. The sample is then counted in a liquid scintillation counter. Net counts are used for calculations of results. Results are reported as pCi/L.

RADON IN WATER	ITEM*	P/N	DESCRIPTION	QUANTITY BREAKS		
				6-11	12-23	24+
	Radon in Water Kit (Single)	28140	Kit includes one water collection vial, instructions, analysis, and return postage.			
	Radon in Water Kit (Double)	28560	Kit includes 2 water collection vials, analysis, instructions and return postage.			
ACCESSORIES	ITEM	P/N	DESCRIPTION	UNIT PRICE		
	Door Hanger	15217	"Radon Test in Progress" door hanger sign serves as a reminder to maintain closed house conditions. Minimum quantity 25.			
	LS Test Kit Hanger	15240	Allows LS vial to be hung via string, paper clip or other method (not included) to avoid test disturbances. Minimum quantity 100.			
	50 Tamper Protection Labels	15263	Can be affixed to windows or test devices and, if disturbed, will indicate tampering.			
	100 Tamper Protection Labels	15014-3				
	500 Tamper Protection Labels	15014-4				

## PRODUCT SELECTION / COMPARISON

	PRODUCT SELECTION / COMPARISON							
	PRO					INSTITUTION		
	Residential Testers / Home Inspectors	Multifamily / School Testing	Mitigation - Diagnostic	Post-Mitigation	Mitigator Home Shows	Radon Education / Outreach Programs	Resellers / Retailers	School Testing
2.75" AC Kit (Single)		✓		✓	✓	✓	✓	✓
2.75" AC Kit (Double)	✓		✓					
4" AC Kit (Single)		✓		✓	✓	✓		✓
4" AC Kit (Double)	✓		✓					
4" Diffusion Barrier Kit (Single)		✓		✓	✓	✓		✓
4" Diffusion Barrier Kit (Double)	✓		✓					
Liquid Scintillation Kit (Single)		✓		✓	✓	✓	✓	✓
Double LS Kit for Real Estate (Double)	✓		✓				✓	
Alpha Track Kit (Single)					✓	✓	✓	✓
Radon in Water Kit (Single)			✓		✓	✓	✓	
Radon in Water Kit (Double)	✓		✓	✓				



## RADON IN AIR AND RADON IN WATER TEST KITS

Air Chek, the newest member of the Spruce family of brands, manufactures, analyzes and distributes the best-selling radon test devices in the world. The Air Chek laboratory and devices are certified nationally and certified and/or licensed in all states where required except NJ. Air Chek serves radon professionals with same-day and Saturday analysis (NC lab), online availability of test results, and matchless quality from its state-of-the-art, NELAC-accredited laboratory facilities located in Western North Carolina and Massachusetts.

Air Chek offers Pro Chek customers multiple reporting options in a variety of data formats to fit your specific needs. They include the most commonly used report styles as well as custom styles and formats. Call us at **800-247-2435** if you have special reporting needs. Also inquire about bulk pricing and reporting for large buildings and schools and FedEx Return Service for discounts on return shipping.

PRODUCT	ITEM	P/N	DESCRIPTION	QUANTITY BREAKS			
				BOX OF 50	2 BOXES	3+ BOXES	
	Air Chek Short-Term Radon in Air Test Kit	28604	Easy to use, 3 to 7 day test; can be hung to avoid test disturbance; includes one test device, instructions, analysis, and return postage.				
	Pro Chek Short-Term Radon in Air Test Kit	28551	Recommended for professionals. 2 to 4 day test includes instructions, one test device, and analysis. Deploy 2 devices side by side to satisfy EPA real estate protocols.				
PRODUCT	ITEM	P/N	DESCRIPTION	1-5 KITS	6-11 KITS	12-48 KITS	49-96 KITS*
	Alpha Chek Radon in Air Test Kit	28597	Test durations: 14 days to 13 months. Long-term testing requires 91 days or longer. Includes test device, instructions, analysis, and return postage.				
PRODUCT	ITEM	P/N	DESCRIPTION	1-4 KITS	5-9 KITS	10-24 KITS	25+ KITS
	Radon in Water Test Kit	28555	Includes water collection vial, hose fitting for easier collection, instructions, analysis, and return mailer (postage not included)				

\*For call for additional quantities.

## Air Chek Short-Term Air Test

- Test duration: 3 to 7 days
- Activated charcoal technology
- Includes device built-in hanger, instructions, prepaid return mailer, and lab analysis
- Report available by fax, mail or email

The Air Chek kit is most often used by non-professionals and has a longer test period with fewer reporting options than those provided by the professionals-only Pro Chek kit. Retail kit also available.



Air Chek Air Test Kit  
28604

## Pro Chek Short-Term Air Test

- Test duration: 2 to 4 days
- Available only to professionals
- Includes test device, instructions, and lab analysis
- Also includes choice of report styles and formats to fit specific reporting needs

Call us at 800-247-2435 to set up your professional account and tell us your return shipping and reporting needs.



Pro Chek Air Test Kit  
28551

## Alpha Chek Radon Air Test

- Test duration: 14 days to 1 year (91+ days to qualify for long-term testing)
- Alpha track technology
- Ideal for follow-up measurements
- Includes test device, instructions, prepaid return mailer, and lab analysis
- Written report by fax, mail or email

The most common use for alpha tracks are long-term (91 days to 1 year) measurements, but the highly sensitive Alpha Chek test device can be used for measurement periods as short as 14 days.



Alpha Chek Test Kit  
28597

## Radon in Water Test Kit

- Collection vial must be returned for lab analysis immediately after water collection
- Includes collection vial, hose fitting, instructions, return mailer, and lab analysis
- Written report by fax, mail or email

Proper sampling is the most important step in obtaining reliable results for analysis of well water. The Air Chek water test collection vial, when used with the hose fitting, helps to reduce sampling errors.



Radon in Water Test Kit  
28555



## Professional Services from Air Chek

### Exclusive Pro Chek Features for Professionals

Professional radon tests often involve tight deadlines, so fast and reliable reporting services are a must. The Pro Chek program for professionals will make your radon clients glad they picked you. All you have to do is obtain a Customer ID (CID) and password, let us know your report preferences, and order our Pro Chek kits. Once you make your first purchase as a pro, our computers take over to deliver your report to you the day the kits are analyzed. The Matrix on page 35 shows some of the devices and services available. Contact Air Chek at [info@radon.com](mailto:info@radon.com) or 800-247-2435 to learn more about device selection, reports, and services.

#### Pro Chek Benefits

- Guaranteed priority lab processing
- Official results within 6-hours of express courier delivery (M-F)
- Online access to the radon-pro.com website
- Online test results 24/7
- Re-send reports to your clients by email or fax
- FedEx discounts on return shipping
- Online ordering
- Quantity discounts
- Free ground shipping
- Same-day Express shipping for orders received by 3 PM EST
- Training discounts
- All this at **NO EXTRA CHARGE!**

**Reporting Options** - Below are a few examples of the most common report options, but custom reporting is also available.

**Real Estate Report** - Shows an average of results from 2 kits placed side-by-side per real-estate testing protocols.

**Project Report** - For large-scale testing projects requiring detailed placement data; this report is often requested in a database format for importing into spreadsheets, etc.

**Inspector Report** - A simple report that includes the name, address, and location as well as relevant times and dates along with the calculated result.

### Schools & Large Buildings Testing Packages

In addition to other Pro Chek benefits, Air Chek has the most comprehensive and user friendly school testing program available. Our kits have been used to test nearly 500,000 school rooms since 1986.

Our program and those for large and multifamily buildings include the basic elements consistent with the original US EPA radon testing protocols as well as the ANSI/AARST Schools and Large Buildings Measurements and Multifamily Testing Standards...plus discounted training classes on *Testing Schools and Large Buildings* and on *Multifamily Testing* through our parent company, Spruce Environmental Technologies, Inc.

Our comprehensive school, large buildings, and multifamily testing management packages include Pro Chek test kits and the all the electronic management, quality control, documentation, and reporting you need to test for radon in schools. Contact us at [info@radon.com](mailto:info@radon.com) or 800-247-2435 to learn more.



Air Chek's integration with the Inspection Support Network (ISN) platform will allow ISN customers to enter and manage their Air Chek test kit data directly through their ISN account.

Inspection Support Network<sup>®</sup>

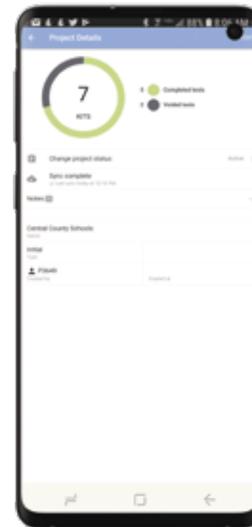
## Mobile Web App

The Air Chek Scanner app is designed to make the deployment of small and large-scale radon testing programs easier. The app is implemented as a mobile web app and has the following advantages:

- Run anywhere – Use any mobile device with a web browser.
- Offline first – App remains accessible even with no Internet connection.
- Cloud-based – Your work is saved locally and synced when you come back online.

Inquire about The Mobile App and other Air Chek benefits offered exclusively to Pro Chek professionals.

Contact us at [info@radon.com](mailto:info@radon.com) or 800-247-2435.



TESTING MATRIX								
	PRO					INSTITUTION		
	Residential Testers / Home Inspectors	Multifamily / School Testing	Mitigation - Diagnostic	Post-Mitigation	Mitigator Home Shows	Radon Education / Outreach Programs	Resellers / Retailers	School Testing
Air Chek Test Kit	✓			✓	✓	✓	✓	
Pro Chek Short-Term Test Kit	✓	✓	✓	✓				✓
Radon in Water Test Kit	✓		✓	✓		✓	✓	
Alpha Chek Test Kit	✓		✓					

# RADSTAR ALPHA



The new RadStar Alpha Series continuous radon monitors will revolutionize the way you think about managing your radon testing business. The Alpha Series is a new line of RadStar CRMs that modernize our proven RadStar measurement technology and provide the industry with modern communication tools, mobility, and the ability to manage your entire testing business through our custom cloud portal (Radon Management Cloud) designed specifically for the needs of radon professionals.

## FEATURES

- 3 Models available at 3 sensitivity levels
- Radon, Temperature, Humidity, Barometric Pressure
- Bluetooth LE and USB
- Report in pCi/L and Bq/m<sup>3</sup>
- Rechargeable Battery
- Store up to 5 Tests in Memory
- Rugged/Durable Design

MODEL	P/N	1-3 UNITS	4-9 UNITS	10+ UNITS	
RadStar a310	28547				
RadStar a516	28548				
RadStar a830	28549				
RadStar Alpha Rental	P/N	1-3 UNITS	4-9 UNITS	10-24 UNITS	25+ UNITS
RadStar a830 Rental (Small Case)	28554				
RadStar a830 Rental (Large Case)	28587				



PARAMETER	α310	α516	α830
Sensitivity (cph)*	10	16	30
Radon	✓	✓	✓
Temperature		✓	✓
Humidity		✓	✓
Barometric Pressure		✓	✓
Report in pCi/L and Bq/m <sup>3</sup>	✓	✓	✓
Website Management Tool	✓	✓	✓
Mobile App via Bluetooth	✓	✓	✓
Desktop App via USB	✓	✓	✓



# RADON MANAGEMENT CLOUD / ISN



The **Radon Management Cloud** is the web-hosted application that will provide you access to manage your company's testers, test details, and reporting features. We have developed both a mobile application and a desktop application you will use in the field to start, stop and synchronize your radon test results to the **Radon Management Cloud**.



**RadStar Alpha Cloud Management** also integrates with **Inspection Support Network (ISN)** home inspection software, which provides functions for brand building, workflow automation and customer and agent relationship management.

Inspection Support Network<sup>®</sup>

## MANAGEMENT CLOUD FUNCTIONS INCLUDE:

- Manage Administrator and Tester users within your company
- Customize and standardize report content and layouts for your company
- Customize email notifications to your customers
- Manage Administrator and Tester users within your company
- Online storage and backup

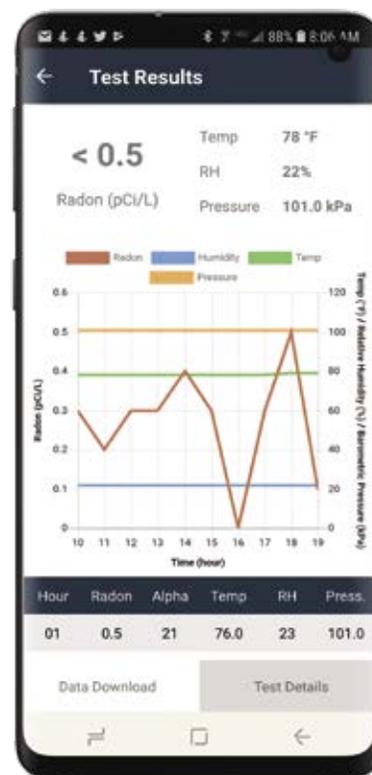
## ACCESSIBILITY

**Mobile:** The Radon Management Cloud will be available for all iOS and Android mobile devices, including phones and tablets.

**Desktop:** The desktop app will be available for use with Windows PCs.

## THE RADON MANAGEMENT CLOUD IS COMPATIBLE FOR USE WITH ALL RADSTAR ALPHA MODELS AND:

- RadStar Alpha  $\alpha$ 310
- RadStar Alpha  $\alpha$ 516
- RadStar Alpha  $\alpha$ 830
- RadStar RS300
- RadStar RS800
- Sun Nuclear 1027



## RADSTAR ACCESSORIES & GM 1-2

ACCESSORIES	ITEM*	P/N	DESCRIPTION	PRICE
	Large Carrying Case	28572	Black durable plastic case with protective egg crate foam lining. Holds 2 Alpha devices. 20.1" x 15.5" x 7.6"	
	Small Carrying Case	28571	Black durable plastic case with protective egg crate foam lining. Holds 1 Alpha device. 15.1" x 12.1" x 6.8"	
 (RadStar Alpha α516 not included)	Tripod	28553	Lightweight, adjustable black stand. Extendable stand pole locks in place. Total weight less than 3 lbs.	
	USB-C Cable & Wall Charger Kit	28574	Replacement power cord kit for all RadStar Alpha models.	
GM 1-2	ITEM	P/N	DESCRIPTION	PRICE
	RadStar GM 1-2	28337	Includes: charging adapter, micro-manometer tubing, grab sampler tubing, drying tube, and 6 inline filters	
	RadStar GM 1-2i	28343	International model includes all of the above, plus international power supply	
	Replacement Filters	25060	5 RadStar GM 1-2 replacement inline filters	
	Replacement Inlet Assembly	24039	Drying tube, inlet filter, tubing, inlet fitting, caps	
	Drying Tube	79190	Polycarbonate unit for drying air and gases; turns pink when drying capacity exhausted	

# DIAGNOSTIC DEVICES

ITEM	P/N	DESCRIPTION	PRICE
	28003	Contains 0-100" Magnehelic Gauge, carrying case and instructions.	
	28004	Contains 0-0.25" Magnehelic Gauge, carrying case and instructions.	
	50008	Portable digital micro-manometer; 0.001"WC or 0.1 Pa resolution, bi-directional with a pressure range of -3.0"/+2.2" WC and +/- 750m Pa	
	28593	Kit includes: Puffer, pencil stream adapter, 3oz bottle of non-toxic puffer fluid (enough for 50 rooms), fill nozzle, 2 cone caps, hard plastic carrying case, screwdriver, operating instructions and MSDS sheet, and 7 AA alkaline batteries.	
	28594	3oz bottle (50 rooms)	
	28368	Contains 20. Burn time about 20 seconds; 3-year shelf life; striker on box.	
	28369	Includes one reusable pen with 6 wicks. Provides up to 3 hours of smoke or 360 30-second tests. No harmful chemicals. Wicks may produce some ash.	
	28370	6 replacement wicks	

\*Tubing not included.

## NOTICE REGARDING SMOKE STICKS

## TECH TIP

Due to federal transportation regulations, we do not offer TT Smoke sticks and other products that contain titanium tetrachloride.





# PIPE ACCESSORIES

# CAPS, GUARDS, & MUFFLERS



Vent Cap  
76001



Aerocel Pipe Insulation  
76084



Pipe Guard  
76041-3



Muffler  
24002 / 24003 / 24007



Offset Downspout  
Adapter  
79158

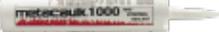
ITEM	P/N	DESCRIPTION	QTY/ CASE	UNIT PRICE	
				< CASE	> CASE
Vent Cap	76001	3" Schedule 40	N/A		
	76009	4" Schedule 20	N/A		
	76002	4" Schedule 40	N/A		
Pipe Guard	76041-3	3" Schedule 20 varmint guard	200		
	76041-4	4" Schedule 20 varmint guard	200		
	76041-1	3" Schedule 40 varmint guard	200		
	76041-2	4" Schedule 40 varmint guard	200		
Muffler	24002	2" Inline Schedule 40, 11.5" L, foam lined	N/A		
	24003	3" Schedule 40, 13.75" L, foam lined	N/A		
	24007	4" Schedule 40, 16" L, foam lined	N/A		
Aerocel Pipe Insulation	76084	3" Insulation (3.5" ID x 6' L)	N/A		
	68150	4" Insulation (4.5" ID x 6' L)	N/A		
Aerocel Adhesive	68151	Seam Sealing Adhesive (1 pint) for use with Aerocel	N/A		
Offset Downspout Adapter	79158	3" x 4" to 4" Schedule 20	25		
Downspout Cap	28506	3" x 4"	N/A		
Downspout Adaptor	28482	3" x 4" to 4" Schedule 20 PVC	25		
Plastic Adaptor	79049	Black plastic, 3" to 4"	N/A		
	79223	4" x 6", Schedule 40 PVC	N/A		
Ice and Debris Trap	28486	3" Trap (Schedule 40 PVC)	N/A		
	28487	4" Trap (Schedule 40 PVC)	N/A		

Items sold individually or in case quantities.

# PVC GATE VALVES

ITEM	P/N	SIZE	DESCRIPTION	QTY/ CASE	UNIT PRICE	
					< CASE	> CASE
	79191	2"	PVC SLIP x SLIP gate valve with plastic gate	20		
	79192	3"		12		
	79231	4"		6		
	79193	4"	PVC SLIP x SLIP gate valve with stainless steel gate. 3/4" diaphragm	6		

# FIRE BARRIERS

ITEM	P/N	SIZE	DESCRIPTION	QTY/ CASE	UNIT PRICE		
					< CASE	CASE	
	Nelson Fire Barrier	76004-1	2"	<ul style="list-style-type: none"> <li>• One-step installation</li> <li>• Built-in smoke seal</li> </ul>	24		
		76004-2	3"		10		
		76004-3	4"		8		
	Metacaulk® Smoke Sealant	68146	10.3 oz.	Metacaulk® 1000, tube	N/A		
	Metacaulk® Fire Barrier	76086	3"	Easy installation; built-in seal	6		
		76087	4"		6		
	STI SpecSeal	76042-1	3"	<ul style="list-style-type: none"> <li>• Expands quickly (up to 60x)</li> <li>• Safe contact with plastics</li> <li>• Water resistant</li> </ul> <b>Smoke sealant required</b>	6		
		76042-2	4"		6		
	STI Smoke Sealant	68049	N/A	<ul style="list-style-type: none"> <li>• 10.1 oz tube</li> <li>• Required with STI fire barriers</li> <li>• Commercial-grade sealant</li> <li>• Expands rapidly (up to 10x)</li> <li>• Water resistant</li> <li>• Safe—low VOCs, no solvents, non-halogenated</li> </ul>	12		
	Wrap Strip	67110	12'	Intumescent wrap; swells when exposed to heat; 12' roll	N/A		
	Restraining Collar	67108	50'	Collar for wrap (P/N 67110)	N/A		

# DAMPERS & FLANGES

ITEM	P/N	SIZE	DESCRIPTION	PRICE	
	Damper	28080-1	3"	Round; includes damper, handle, washer and wingnut.	
		28080-2	4"		
		28080-3	6"		
	Wall Dress Flange	28046-1	3"	Precut PVC; covers wall penetrations.	
		28046-2	4"		
	White Trim Plate	79138-2	3"	White plastic; fits schedule 40 PVC; breakaway split allows installation after pipe placement.	
		79138-1	4"		

# ROOF FLASHINGS

ITEM	P/N	PIPE SIZE	BODY MATERIAL	PRICE
	Flexible Roof Boot	76008-1	2" PVC	Weatherproof thermoplastic; reinforced base
		76008-2	3" PVC	
		76008-3	4" PVC	
	Kozy Kollar	76010-1	3" PVC	Innovative design; withstands 20 years of exposure. Install from inside; ideal for steep roof and winter conditions. Sealant included.
		76010-2	4" PVC	

## FAN GUARDS & CONDENSATE BYPASS

ITEM	P/N	DESCRIPTION	PRICE
	Fan Guard Kit 3" Schedule 40	76040-1	Designed to prevent fan damage from condensation, rain or melting ice. Connects to schedule 40 PVC. Includes coupling, 2 fittings, 3' drain tube and 3' of tubing insulation.
	Fan Guard Kit 4" Schedule 40	76040-2	
	RadonAway® Condensate Bypass Kit	25030	Includes 3' of tubing, 3' of tubing insulation, 2 barbed fittings, and weir.
	Drill/Tap Combination	28138	¼ NPT; for easy installation (use with ⅜" drill or larger).
	Transition Fitting	13245	Use the RadonAway Transition Fitting with the fan guard kit and or condensate bypass for an attractive, finished look. See p 46 for details and quantity pricing

### WHY INSTALL A BYPASS?

### TECH TIP



All RadonAway® fan motors are water-hardened against moisture. In some locations and weather conditions, you might choose to install a condensate bypass (above) on your exterior ASD systems to minimize potential fan damage by bypassing the flow of exhaust pipe condensation. The bypass is shown here with a RadonAway® transition fitting (p. 46), which saves installation time and provides a finished look. A bypass is not needed with the GX Series fans, which have water management built in.

Call RadonAway® for more tips on this topic.

# HANGERS

ITEM		P/N	SIZE	DESCRIPTION	QTY/ CASE	UNIT PRICE	
						< CASE	> CASE
	PVC 2-Hole Pipe Clamp	76089-1	3"	White	100		
		76089-2	4"		120		
	HangerLok®	76075	3"	<ul style="list-style-type: none"> <li>• White to match system pipe</li> <li>• Adjusts to hold pipe securely</li> <li>• HDPE</li> </ul>	25		
		76076	4"		25		
		76078	2"	Adjusts to hold pipe securely; HDPE; Gray	100		
	2-Hole Strap	76058-1	3"	Galvanized	25		
		76058-2	4"		25		
		67106	3"	Gray, Plastic; Use with schedule 40 PVC	20		
		67107	4"	Gray, Plastic; Use with schedule 40 PVC	15		
	Plastic Hanger Strap	67070-1	¾" x 25'	Polypropylene with ¼" holes	N/A		
		67070-2	¾" x 100'		N/A		
	Pipe Hanger	76059-1	2"	<ul style="list-style-type: none"> <li>• Bolt included</li> <li>• Zinc plated</li> </ul>	25		
		76059-2	3"		25		
		76059-3	4"		25		
	Hangs Tuff™ J-Style Supports	76060-1	2"	Use with schedule 40	100		
		76061-1	3"	Use with schedule 30	50		
		76060-2	3"	Use with schedule 40	100		
		76060-3	4"	Use with schedule 40	100		
	Snap in Clamp	28500	3"	Use with schedule 20/40	10 (bag)		
		28501	4"				

Sold by case only.

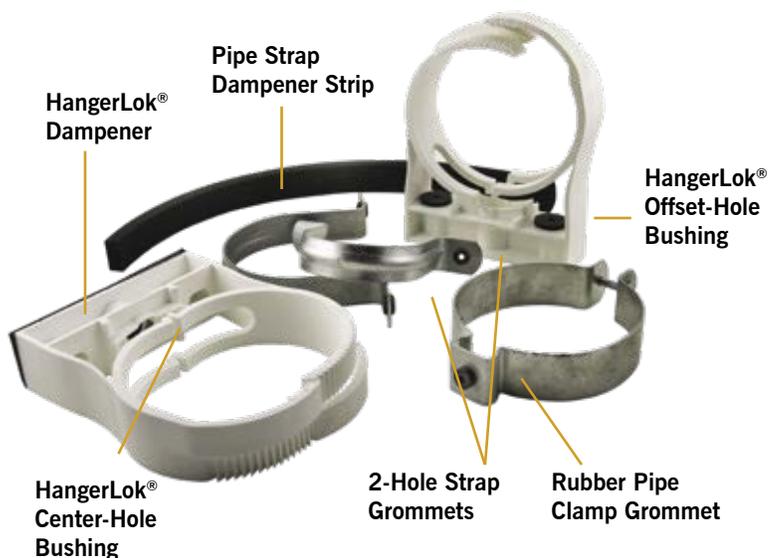
# PVC CEMENT

ITEM		P/N	SIZE	DESCRIPTION	QTY/ CASE	UNIT PRICE	
						< CASE	CASE
	Gorilla PVC Cement	68140	8 oz.	Medium set, no primer required. Odorless, nontoxic, environmentally safe; non-staining; non-flammable.	12		
		68034	16 oz.		12		
		68139	32 oz.		12		
		68138	1 gal.		6		

# ANTI-VIBRATION HARDWARE / DAMPENERS

Before RadonAway® fans are built, each motor is tested for noise and vibration. Once they are assembled, they are performance tested again to ensure that they are as quiet and vibration-free as possible. Any vibration that may occur after installation is often the result of the installation and not the fan itself.

To help eliminate the potential for vibration and its accompanying noise, we have identified quality products which match all of our current pipe clamp offerings and will help reduce system vibration.



ITEM	P/N	DESCRIPTION	SIZE/ QUANTITY	UNIT PRICE
	28433	1/4" Thick custom-cut neoprene sponge for mounting HangerLok® (P/N 76075) to structure; requires P/N 28440 or 28441 (below).	24 pcs/pkt	
	28434	1/4" Thick custom-cut neoprene sponge for mounting HangerLok® (P/N 76076) to structure; requires P/N 28440 or 28441 (below).	24 pcs/pkt	
	28435	Sponge rubber dampener strip with adhesive on one side to isolate J hanger (P/N 76060-1, 76061-1, 76060-2, 76060-3) from building attachment point.	1/2" x 1/8" x 50' roll	
	28436	Sponge rubber dampener strip with adhesive on one side for use with 3" and 4" two-hole straps (P/N 76058-1, 76058-2), providing vibration-absorbing layer between pipe and building wall.	1" x 1/2" x 25' roll	
	28437	For use with single-hole 3" and 4" pipe clamps (P/N 76059-2, 76059-3) to provide vibration-absorbing buffer between clamp and metal screw.	25 pcs/pkt	
	28438	For use with 3" 2-hole strap (P/N 76058-1) and 1" sponge rubber dampener strip (P/N 28436) to maximize pipe isolation.	50 pcs/pkt	
	28439	For use with 4" 2-hole strap (P/N 76058-2) and 1" sponge rubber dampener strip (P/N 28436) to maximize pipe isolation.	50 pcs/pkt	
	28440	For use with 3" and 4" HangerLok® pipe clamps (P/N 76075, 76076) to provide buffer between clamp and metal screw when mounting using only center hole.	25 pcs/pkt	
	28441	For use with 3" and 4" HangerLok® pipe clamps (P/N 76075, 76076) to provide buffer between clamp and metal screws when mounting using offset holes.	25 pcs/pkt	
	28602	White rubber washers for white PVC Pipe Clamps	480 pcs/pkt	

# RADONAWAY® TRANSITION FITTING

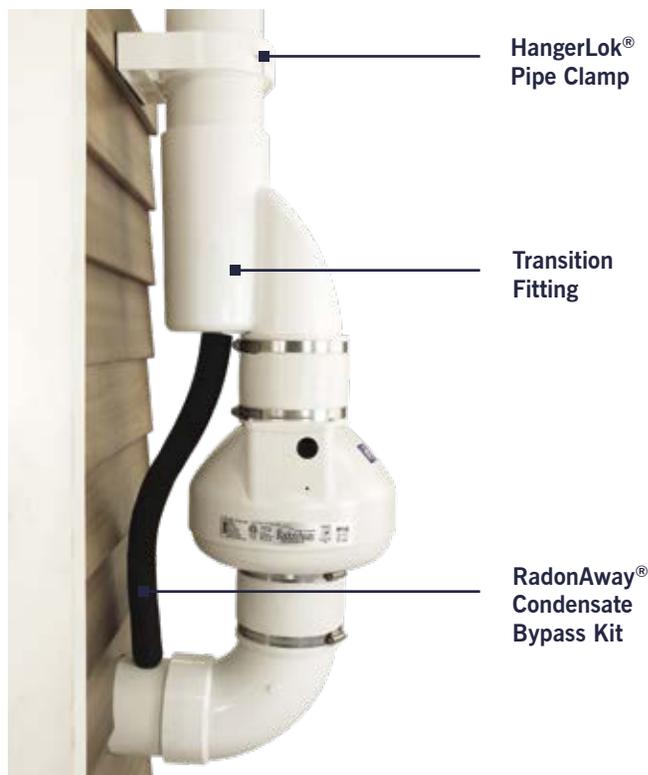
## AVAILABLE ONLY FROM RADONAWAY!

Designed and engineered by RadonAway® and molded to our specifications from UV-resistant white PVC, this fitting is a step-saver that will help you conserve time on the job, while creating a sleeker, more attractive fan installation. It can be used with our fan covers or as a stand-alone fitting, replacing 2 or more fittings and primer/glue. When used with our condensate bypass kit, the molded internal slot is made to perfectly fit the condensate weir.

## FEATURES

- Replaces 2 or more fittings (depending on configuration)
- UV-resistant white schedule 40 PVC
- Connects to 4" spigot x 4" socket
- Provides an internal slot for weir (included in RadonAway® Condensate Bypass Kit)
- Replaces transition box for a time-saving, cleaner look
- To be used with RadonAway® Fan Covers/Kits or as a stand-alone fitting
- Easily converts to 3" with offset bushing (P/N 13165)

NOTE: Not ASME/ANSI Approved



ITEM	P/N	DESCRIPTION	QTY/ CASE	UNIT PRICE		
				<CASE	CASE*	3+ CASES*
	13245	UV-resistant white schedule 40 PVC pipe fitting for use with all RadonAway® RP, XP and GP fans	12			
	25030	Includes: 3' of tubing, 3' of tubing insulation, 2 barbed fittings, and weir	-			
	79218	Schedule 40 PVC	-			
	13165	For use with SF180 radon fan	-			
	28138	1/4 NPT; for easy installation (use with 3/8" drill or larger)	-			

\*For more info on RadonAway® Condensate Bypass Kit, see p. 43.

# RADONAWAY® FAN COVERS

ITEM	P/N	COLOR	DESCRIPTION	SIZE	PRICE
	28043	White	<ul style="list-style-type: none"> <li>• Complete kit includes baseplate, transition fitting and fan cover</li> <li>• Fits all RadonAway® RP, XP, GP and GX fans (excluding RP380).</li> </ul>	31"H x 13"W x 13"D	
	28388	Black			
	28617	White	<ul style="list-style-type: none"> <li>• 4" Cutout</li> <li>• Fits all RadonAway® RP, XP, GP and GX fans</li> <li>• Material: Durable, paintable ABS plastic</li> </ul>	31"H x 13"W x 13"D	
	28616	Black			
	28618	Black	<ul style="list-style-type: none"> <li>• No Cutout</li> <li>• Fits all RadonAway® RP, XP, GP and GX fans</li> <li>• Material: Durable, paintable ABS plastic</li> </ul>		
	28043-3	Black	Durable plastic base for fan cover	31"H x 13"W	
	13245	White	<ul style="list-style-type: none"> <li>• UV-resistant white schedule 40 PVC</li> <li>• Connects to 4" spigot x 4" socket</li> <li>• Fits all RadonAway® RP, XP, GP and GX fans</li> </ul>	-	

## TRANSITION FITTING SAVES YOU TIME AND MONEY!

## TECH TIP



Gone are the days of complicated, multi-piece system pipe fittings. Simplify your installs with sleek transition fittings designed, manufactured, and sold exclusively by RadonAway®.



*Transition Fitting replaces these and other assemblies.*

# GAUGES

ITEM	P/N	DESCRIPTION	READS "WC	PRICE
	50005-1	Compatible with GP201, GP301, XP, XR, RP Series and Fantech		
	50002-1	Compatible with RP, GP, XP, XR Series and Fantech (or when stacking fans)		
	50001-2	Compatible with HS Series; high accuracy (within 2%); simple, frictionless Magnehelic movement; easy-to-read dial; tubing not included. Exterior use.		
	28607			
	50014			
	50026	Minihelics are compact, easy to read, and operate safely at pressures up to 30 psi. Tubing not included.		
	50030			
	50027			
	68030-1	3/4 oz dispenser bottle		
	78008	Tubing for Dwyer Magnehelic® / Minihelic® Gauge, sold per foot		
	50036	Blue		
	50017	Blue		
	50018	Red		
	20011	Blue		
	20014	Red		
	68162	Clear, sold per foot		
	25067	Comes with 6 clamps and tubes		

# RADONAWAY® RSA1 RADON SYSTEM ALARM



RadonAway's new vacuum monitoring alarm utilizes piezoresistive pressure sensor (PPS) technology and provides audible and visual indications when the radon system is not moving sufficient air to be effective. It is designed for use on 2", 3", 4" or 6" pipe, or flat surfaces. Some of the RSA1's additional features are:

- Easy installation
- Battery operated
- Alarm and Service Delay functions
- Hush & Test buttons

### Complies with ANSI/AARST Radon Mitigation Standards

Provides audible and visible alerts as required.



#### Sensing Light

**Normal Operation @:**  
0.1" WC to - 20" WC



#### Alarm Light:

Illuminates @  $\geq 90\%$  reduction in baseline pressure



#### Service Light:

Illuminates upon 3+ Alarm activations within 48 hours



#### Low Battery Light:

Illuminates @  $< 3.35$  Volts (uses 3.6V 1/2 AA Battery)



#### Hush Button:

When depressed silences Alarm for 7 days



#### Test Button:

When depressed activates audible alarm and illuminates lights



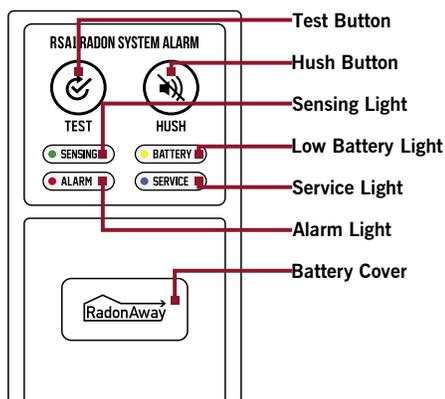
#### Alarm Dimensions:

2.19" x 3.75" x 1.37"  
(W x H x D)



#### Overpressure Condition:

$> 20$ " WC  
(piezoresistive pressure sensor)



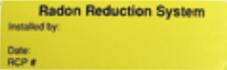
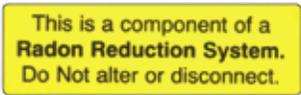
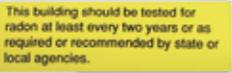
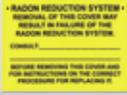
ITEM	P/N	DESCRIPTION	QTY/ CASE	UNIT PRICE		
				<CASE	12-36 QTY	36+ (3+ CASES)
RSA1 Alarm	28535	Vacuum monitoring alarm provides audible and visual alerts when the radon system is not moving sufficient air to be effective. Designed for use on 2", 3", 4" or 6" pipe, or flat surfaces. Tubing included.	12			
Clear Tubing	68162	For use with the RSA1 Alarm, sold per foot	-			

# SYSTEM ALARMS / RADON GAS DETECTOR

RadonAway's homeowner-friendly radon system alarms, are compliant with current ANSI/AARST Radon Mitigation Standards when used along with our Easy-Read U-tube Manometer (p. 26). Our alarms range from the basic Checkpoint IIA and IIR pressure sensor monitor/alarms, to our Air Flow Alarm with audible and visible alerts, to the advanced RSA1 Alarm (p. 49), a vacuum monitoring alarm with audible and visible indicators.

ITEM	P/N	DESCRIPTION	UNIT PRICE	
			<48	48+
	RadonAway® Air Flow Alarm 28421	Includes: Air Flow Alarm, battery, trimmable vane, and installation instructions. Provides audible and visible alerts to low air flow conditions.		
	Air Flow Alarm Replacement Vane 28610	Replacement vane is field trimmable and senses the air flow rate. For use with P/N 28421 (RadonAway Air Flow Alarm).		
ITEM	P/N	DESCRIPTION	UNIT PRICE	
	Checkpoint IIA Mitigation System Monitor/Alarm 28001-2	Audible alarm; green and red LED lights; factory preset to activate at .25"WC vacuum pressure; low voltage.		
	Checkpoint IIR Checkpoint IIA Mitigation System Monitor w/ remote alarm & LED 0.1" WC 28001-5	Provides all the features of the Checkpoint II plus can be wired to a remote location where the homeowner is more likely to hear an alarm (50' of wire included).		
	Checkpoint IIR Mitigation System Monitor with Remote Alarm, .25"WC 28001-4			
	Pressure Switch 73023	Suitable to activate light or alarm for monitoring fan operation; activates at .25"WC; UL/CSA recognized (wire and probe not included).		
	Clear Vinyl Tubing 78008	Tubing for Checkpoint Mitigation System Monitors sold per foot		
	Pro 4 Series Radon Gas Detector 28606	From Safety Siren. Uses a photoelectric alpha particle detection process to assess the concentration of radon gas in the air. This version features a sleeker design and new backlit LED screen.		

# SYSTEM LABELS

ITEM	P/N	SIZE	UNIT PRICE				
			CASE QTY	CASE PRICE	PRICE <50	PRICE >50	
	Central System Label	15005-20	4" x 2 7/8"	20			
	Radon Reduction System Label	15258	3" x 1"	-			
	Notice Label	15251	5" x 2-1/4"	-			
	Select - Notice Label	15255	5" x 3-3/8"	-			
	Radon Removal System Component Label	15006-50	3 1/4" x 1"	50			
	Component Label	15257	3" x 1"	-			
	Caution Component Label	15254	5" x 2-1/4"	-			
	Caution Radon Vent Label	15253	3" x 2-3/4"	-			
	Radon Flow Label	15252	6" x 1-3/4"	-			
	Radon Fan Switch Label	28340	2" x 4"	-			
	Radon Fan Circuit Label	28341	2" x 1/2"	20			
	Power Source Tag	15262	2" x 3-3/4"	-			
	Test Every 2 Years Label	15256	3" x 1"	-			
	Sump Cover Label	15259	5-1/2" x 4"	-			

# ELECTRICAL ACCESSORIES



Wago Connector  
70048



Vari-Speed  
73064



Exterior Switch Kit  
28328



Code Keeper  
19030



Lockable Plastic Cover  
19026



3-Hole Single Gang  
Metal Box  
19036

ITEM	P/N	DESCRIPTION	PRICE
Wago Splicing Connector	70048	Series 222 (box of 50)	
Wire Nuts	70046	Works with most common wire sizes, yellow and red (box of 100)	
6' Power Cord Kit	27005	18 ga 3-prong plug and bushing	
8' Power Cord Kit	27004		
6' Power Cord Kit	27009	16 ga 3-prong plug and bushing	
6' Power Cord	99030-2	18 ga 3-prong plug	
8' Power Cord	99030-1		
Cord Connector Kit	25008	Water-tight connector includes water tight fitting, nylon nut lock	
Cord Connector	67001	Water-tight connector	
Flexible Conduit	98038	1/2"; 25' Coil	
Flexible Conduit	98039	1/2"; 100' Coil	
Flexible Conduit Cutter	80009	Cut flexible conduit fast and smooth	
Liquid Tight Conduit Fitting	98040	1/2"; Straight	
	98041	1/2"; 90-degree elbow	
Lutron Speed Control	73009	On/Off rotary operation, 5 amp (1/6 HP) max 120VAC	
Vari-Speed	73064	Fan Speed Control with cover	
Exterior Switch Kit	28328	For use with SF180 radon fan. Includes single gang, one-socket exterior box; 3/4" slip x 1/2" FPT adapter; two 1/2" MPT water-tight cord bushings; 1/2" PVC nut; switch; exterior switch cover; 30" SJOW Cord.	
Single Pole Switch	73001	Basic on/off switch (1)	
Single Pole Switch	28378	Basic on/off switch (box of 10)	
Plastic Electrical Box	19025	Single-hole, compatible with SF180	
Metal Cover	19034	Plain cover, single gang with screws and gasket	
Metal Box	19036	3-hole box, single gang (gray)	
Metal Box	19037	3-hole box, single gang (white)	
Metal Box	19038	5-hole box, single gang (white)	
Plastic Box	19042	Single-gang 3-hole box (gray)	
Plastic Box	19035	Single-gang 3-hole box (white)	
Lockable Switch Cover (gray)	19026	Lockable cover with screws and gasket (lock not included)	
Lockable Switch Cover (white)	28490		
Code Keeper	19030	Secures fan cord. Mounts on any standard (single gang) electrical box indoor or outdoor. Accepts standard or GFI receptacle. Universal hinge, clear cover with tabs for padlock to prevent the fan from being unplugged.	
Fan/Light Timer Switch	73041-3	MarkTime; white decor style, fan delay 15/40/60 minutes	
	73041-4	MarkTime; white decor style, delay off 20/30/60/120 minutes	
Wallbox Switch	73052-2	MarkTime 24-hour/7-day electromechanical	
Conduit Clamp	98051	1/2"; plastic (box of 100)	



# **BASEMENT SEALING**

# CRAWLSPACE & BASEMENT SEALING

As every radon professional knows, working in a crawlspace is not a job for the faint-hearted. When you are getting ready to seal a crawlspace, RadonAway® is right there with you. For more than two decades, we have been sourcing and selling the best sealing products and equipment on the market for crawlspace and basement moisture and vapor control. This year, we have once again added to our crawlspace and basement product selection.



## CRAWLSPACE AND BASEMENT SEALING PRODUCTS

RadonAway® offers more than 30 product choices for crawlspaces and basements to make your job easier and the outcome more successful. Popular products include:

- Vapor barriers – from 3mil to 20mil
- Vapor barrier tapes, adhesives and sealants
- Vapor barrier installation aids and tools

## PRE-SEALING PRODUCTS

Before you install the vapor barrier, these two products will contribute to better drainage, air flow, and system stability.



### RadonAway® Radon-T

Designed and manufactured by RadonAway specifically to replace an ordinary pipe fitting at the base of a crawlspace or new construction ASD system, the Radon-T provides a more stable base for the system vent pipe, allows for up to 4-way air flow, prevents debris entry, and saddles over perforated pipe.

*For Radon-T details, see p. 21.*



### VAPORMAT™

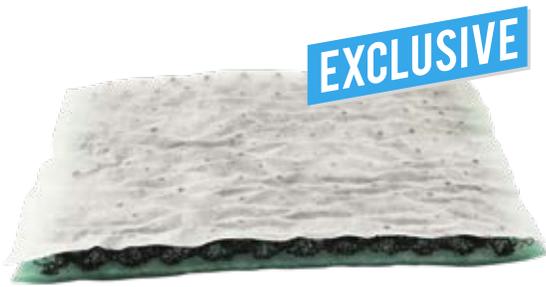
**Exclusive** to the radon industry from RadonAway®, VAPORMAT™ Radon & Moisture Mitigation Channeling Systems, available in two thicknesses, can be used for easy-to-install, time-saving drainage and air flow beneath the vapor barrier. Simply cut it to size and place it over the area and Radon-T to cover the substrate, cutting a hole to allow the PVC pipe to protrude from the Radon-T. Now you're ready to install the vapor barrier.

*For VAPORMAT™ details, see p. 55-56.*

## THE FINAL STEP: THE FAN

Sealing and water removal are part of the crawlspace encapsulation process, but don't forget the final element for effective radon, moisture and vapor control: ventilation. Studies show that the most effective method for controlling crawlspace moisture and vapor intrusion is an ASD system, activated with a RadonAway® fan, of course.

*For Fans, see p. 8-16.*



## Radon & Moisture Mitigation Channeling Systems

Ideal for use in new construction and crawlspace systems, VAPORMAT™ is available in two thicknesses. This product provides a highly adaptable matting system for ASD radon, moisture, and VOC reduction.

See p.58 for VAPORMAT™ accessories.



### VAPORMAT™ Benefits:

- Saves time and money.
- Easy to install.
- >40% recycled pre-consumer material.
- LEED V4 Building Design and Construction Materials and Resources Credit 3 (1-2 Points).
- Can replace perforated piping and/or gravel under slab or radon/vapor barrier.
- Cost-effective when used with the RadonAway® Radon-T.
- Maintains air flow communication when used with an active fan.
- Complies with building codes: IRC Appendix F, and ANSI/AARST RRNC Standards.
- 1.33' x 16" x 45' (p/n 66238) meets CC-1000 requirements.

ITEM		P/N	SIZE/THICKNESS	WEIGHT	PRICE
	VAPORMAT™	66105*	48" W x 50' L x 0.4" thick	30 lbs per roll	
		66238*	16" W x 45' L x 1.1" thick	12 lbs per roll	
	Staples for VAPORMAT™	66240*	11 ga steel, 8" x 1", 500 per box	47 lbs per box	

\*Extra shipping and handling required. Call for details.

## INSTALLING VAPOR BARRIER

## TECH TIP



Crawlspaces are often low in height, dark, and dank; in other words, not a place where you want to stay unnecessarily long. After you choose a barrier in compliance with appropriate standards and local requirements for barrier density, you probably cut the barrier material to the correct size before you start. When you're measuring, don't forget the allowance for overlap and support columns. The barrier knife on page 58 works well with most materials, but you will probably also want to have a good pair of 9" titanium scissors to easily cut even the thickest, toughest barriers. Then, before taking the barrier into the crawlspace, minimize your work within the crawlspace by flattening out the barrier with the side you want showing face up and fold in the sides for ease of install.



# VAPORMAT

VAPORMAT™	040-48 66105	1-16 66238
THICKNESS	0.4 in	1.1 in
WIDTH	48 in	16 in
ROLL LENGTH	50 ft	45 ft
ROLLS PER PALLET	6	18
COMPRESSIVE STRENGTH	>2,500 PSF	>2,500 PSF
DETERMINED FLOW RATE	11.856 gallons/min/ft or 140.56 gallons/min/ft <sup>2</sup>	
DETERMINED CROSS-SECTIONAL AREA (void space)	29.04	15.76
PERCENT RECYCLED	>40% (pre-consumer material)	

## RADON REDUCTION IN NEW BUILDING CONSTRUCTION

New construction radon standards, including the U.S. EPA-recommended ANSI/AARST Standards, RRNC -2020 and CCAH 2020 Reducing Radon in New Construction of 1 & 2 Family Dwellings and Townhouses, call for the installation of a soil gas collector beneath the slab. Also complies with ANSI-AARST CC-1000. An increasing number of mitigation and construction contractors are using soil gas collector matting, choosing it for its easy installation. In addition, the RRNC Standards recommend its use. (For more information on ANSI/AARST Standards, see p. 100.)

*THE VAPORMAT SYSTEM, AVAILABLE IN 0.4-INCH AND 1.1-INCH THICKNESSES, MEETS AND EXCEEDS ANSI/AARST RRNC STANDARDS FOR THE COLLECTION OF RADON, MOISTURE, AND OTHER TOXIC VAPORS THAT COME FROM BENEATH THE SLAB. IT WORKS EFFECTIVELY WITH BOTH PASSIVE AND ACTIVE SOIL DEPRESSURIZATION SYSTEMS FOR RESIDENTIAL, COMMERCIAL OR INDUSTRIAL BUILDING APPLICATIONS.*

# VAPOR / RADON BARRIERS

ITEM	P/N	COLOR/ DESCRIPTION	SIZE/QUANTITY	WEIGHT	PRICE	10+-
	RadonAway 6 mil Vapor Barrier	28567	White/black; 6 mil or 12 mil, heavy duty 3-ply scrim, puncture and tear resistant.	6' x 100' x 6 mil	16 lbs per roll	
	RadonAway 6 mil Vapor Barrier	28565		24' x 100' x 6 mil	59 lbs per roll	
	RadonAway 6 mil Vapor Barrier	28611		12' x 100' x 6 mil	29 lbs. per roll	
	RadonAway 12 mil Vapor Barrier	28566		6' x 100' x 12 mil	39 lbs per roll	
	RadonAway 12 mil Vapor Barrier	28612		12' x 100' x 12 mil	70 lbs. per roll	
	Dura-Skrim® 6WB	66099	White/black; 6 mil; heavy duty scrim reinforcement; laminated between two layers of virgin high strength polyethylene (PE) film; puncture and tear resistant.	24' x 100' x 6 mil	70 lbs per roll	
	Dura-Skrim® 6WB	28342		24' x 50' x 6 mil	38 lbs per roll	
	Dura-Skrim® 6WB	66122		12' x 100' x 6 mil	35 lbs per roll	
	Dura-Skrim® 6WB	66123		6' x 100' x 6 mil	20 lbs per roll	
	Dura-Skrim® 12WB	28296	White/black; 12 mil; heavy duty scrim reinforcement; two sheets of high-strength virgin PE film laminated together with a third layer of molten PE; puncture and tear resistant.	24' x 50' x 12 mil	83 lbs per roll	
	Dura-Skrim® 12WB	66124		12' x 100' x 12 mil	45 lbs per roll	
	Dura-Skrim® 12WB	66125		6' x 100' x 12 mil	83 lbs per roll	
	VaporBlock® Super 20 (Minimum of 2 rolls)	66132	7-layer co-extruded barrier; polyethylene and EVOH resins; superior resistance to gas (methane, radon and other VOCs) and moisture transmission.	10' x 150' x 20 mil	N/A	
	Heavy Duty Vapor Barrier <sup>1</sup>	66126	20-22mil; durable, tear-resistant, 7-ply PE.	12' x 50' x 20-22 mil	63 lbs per roll	
	Rufco 300	66114	White; 3 mil; cross-laminated PE film.	20' x 100' x 3 mil	32 lbs per roll	
	3" Greenskin Radon Gas Seal	76091-1	Creates tight seal around Pipe; tape seam to barrier. 17.5 ± 1.5 mil polyethylene.	10+ qty 12" x 12"	N/A	
	4" Greenskin Radon Gas Seal	76091-2			N/A	

Extra shipping and handling required for all except P/N 76091-1 and 76091-2. Call for details.

# SEALANTS & ACCESSORIES

ITEM	P/N	COLOR/DESCRIPTION	SIZE/QUANTITY	PRICE
	Dripless® Caulking Gun 74003	Recommended for use with all caulks and construction adhesives	1	
	Butyl Seal Tape 68111	Double-sided aggressive reinforced black butyl rubber tape	2" x 50'	
	Vaporseal Tape 68112	Single-sided 7-layer gas barrier tape; release liner for ease of installation	4" x 160'	
	Vapor Boot Tape 68113	Single-sided elastomeric butyl tape to seal pipe boot to pipe	2" x 16.4'	
	Vapor Barrier Tape 68017	Black	4" x 108' x 10 mil	
	Vapor Barrier Tape 68066	White	4" x 108' x 10 mil	
	Vapor Barrier Tape 68143	White	4" x 210' x 6.7 mil	
	Vapor Barrier Tape 68130	Clear	4" x 108'	
	Eternabond® 68086	Double-sided Microsealant® tape	2" x 50' roll	
	Eternabond® Roller 68088	Heavy duty, 2" stainless steel roller for securing adhesive	1	
	Vapor Barrier X-mas Tree Fasteners 67055	White; corrosion, abrasion, and vibration resistant nylon; securely affixes barrier to wall.	.25" x .8", 100/bag	
	Vapor Barrier X-mas Tree Fasteners 66151		1 1/2", 100/bag	
	Vapor Barrier X-mas Tree Fasteners 67063		.25" x .8", 1000/bag	
	Barrier Knife 28374	Durable plastic with blade storage in the handle; 3 blades included	1	
	Barrier Knife Blades 28375	Replacement blades	100	
	Stego™ Term Bar White 68175	Semiflexible 42" L x 1 1/8" W plastic bar used to secure vapor barrier to concrete, masonry, and wood.	50/box (12 lb)	
	Pour-N-Seal 68153	2-part gray, high strength epoxy; medium viscosity; for sealing around multiple pipe penetrations in tight areas.	1	
	Vapor Boot* 76088	Preformed pipe boot; heavy 40 mil co-extruded polyethylene and barrier resins for excellent strength and durability.	1	
	Tape Gun 68148	For use with clear tape P/N 68130 only.	1	

\*Drop ship only NOTE: See p. 59 for additional sealing products.

# SEALANTS & ACCESSORIES

ITEM	P/N	DESCRIPTION	TUBE SIZE (OZ)	COLOR	UNIT PRICE	
					<CASE	CASE
	RadonAway® Radon Pro Hybrid Sealant 28523	Professional grade; silicone/ urethane; moisturecuring, long- lasting, low VOC. 6/case.	10.1	Limestone		
	NuFlex 446 Acoustical & Vapor Barrier Sealant/Adhesive 68071	Adheres to most vapor barrier films, wood, metal, concrete and foam boards; nonskinning, permanently flexible and nonslumping; water resistant. 12/case	10.1	Black		
	Geocel 3300W 68135	Professional grade polyurethane; single-component, high performance, withstands adverse weather conditions, cures to a flexible weather-resistant seal. 24/case	10.2	White		
	Geocel 3300L 68134			Gray		
	Geocel Silicone 68136	Clear acetoxy cure silicone ideal for most jobs (emits odor while curing) 12/case	10.38	Clear		
	Geocel LV Silicone 68137	Neutral cure high performance silicone (emits little to no curing odor) 12/case	10.38	Clear		
	Geocel 2300 68168	Elastic tripolymer; 100% resealable; weather-resistant seal. 24/case (Not for indoor use)	10.3	Clear		
	Geocel 2320 68184	Tripolymer gutter and narrow seam sealant, paintable, semi self-leveling, high performance	10.3	Clear		
	Titebond Radon Sealant 68147	Elastomeric Acrylic, LVOC, paintable, 12/case	10.1	Gray		
	Butyl Retarder Adhesive 68129	White gutter seal adhesive for attaching retarder to most surfaces with retarder buttons. 10.1 oz cartridge. 12/case	10.1	White		

Which sealant should you use? Go to [RadonAway.com/sealants](http://RadonAway.com/sealants) to view our chart.

## RHINO® CRACK REPAIR

Rhino's revolutionary new concrete repair products are designed to make crack repair and reinforcement more efficient and less labor intensive.

ITEM	P/N	DESCRIPTION	PRICE
	Rhino® Carbon Fiber Crack Lock Kit 68154	The ultimate crack repair product, uniquely engineered to permanently stop cracks in concrete slabs, foundations, poured walls, and more.	
	Rhino® Bi-Directional Wall Repair Kit 68157	Patented Rhino Carbon Fiber Wall Supports to link the foundation base with the house framing to make this the strongest system on the market.	
	Rhino® High Strength Epoxy Paste (6-pack) 68158	Versatile Rhino epoxy paste can be used for fast and clean crack repair on concrete, foundations, basement, walls - even pools and more.	
	Rhino® Dual Epoxy Gun 68159	Lightweight and durable, use the Rhino Dual Epoxy Gun with the Epoxy Paste for foundation, wall, basement, concrete and pool crack repairs.	

## FLOOR AND SUMP DRAINS

Dranjer™ seals permit unrestricted flow of water into floor drains or sump pits while sealing out mold spores, insects, radon and other gases from the sub-slab floor area. RadonAway® HI-PERDRAIN™ ST and RF sump cover drain and retrofit kit are new, easy to install, and low profile.

ITEM	P/N	DESCRIPTION	PRICE
	D-R2 28008	Retrofit floor drain seal for 2-8" drains-flexible flange, plastic valve	
	F-N2 28047	New installation floor drain seal-metal valve	
	F-R2 28009	Retrofit floor drain seal 2-8" drains-flexible flange, metal valve	
	J-N6 28442	Retrofit sump seal-ball valve; includes retaining ring	
	J-S15 28519	New retrofit sump seal-ball valve (replaces J-S5)	
	F-S2 28010	Retrofit sump seal-metal valve	

Also see HI-PERDRAINS, p. 62

# BACKER ROD

## ROUND

	ITEM	100' ROLL		CARTON		
		P/N	PRICE	P/N	FEET	PRICE
 <p>Round</p>	1/2" diam.	66017-2	\$ 15.95	66017-1	2500	
	3/4" diam.	66018-2	\$ 23.95	66018-1	1100	
	1" diam.	66019-2	\$ 34.95	66019-1	600	
	1 1/4" diam.	66020-2	\$ 39.95	66020-1	400	
	1 1/2" diam. x 6'L	Not Available in 100' Rolls	66034-1	420		
	2" diam. x 6'L		66035-1	252		
	2 1/2" diam. x 6'L		66036-1	162		
	3" diam. x 6'L		66095-1	102		
	3/8" diam.		66154	50 (min)		
	1/2" diam.		66155	50 (min)		
	3/4" diam.		66156	50 (min)		
	1" diam.		66157	50 (min)		
	1 1/2" diam. x 6'L <sup>1</sup>		66158	6 (min)		
	2" diam. x 6'L <sup>1</sup>		66159	6 (min)		

<sup>1</sup>Only available in 50ft rolls or 6ft lengths

## HALF ROUND

	ITEM	P/N	DESCRIPTION	PRICE
 <p>Half Round</p>	1 1/2" diam.	66034-2	48' (Eight 6' lengths)	
	2" diam.	66035-2		
	2 1/2" diam.	66036-2		

## BACKER ROD

## TECH TIP



Is there a mitigator anywhere who has not used backer rod for crack repair? For the new mitigator as well as the "old pro" the installation of backer rod seems routine. But is it? Here's a quick review on the best way to use this easy-to-compress, rope-like foam.

- If the crack is long, it's better to buy and use a 100-ft length (if available in the correct size) than 6-ft lengths.
- Use backer rod that is slightly larger than the width of the crack.
- To get started, push the end of the backer rod into the crack. Do not use a sharp object, as this will damage the backer rod. Then pull and s-t-r-e-t-c-h in the direction of the crack and press it in place.
- When to use half round backer rod: If the crack is very wide, use half round with the flat side on top, which makes it self-leveling.

# RADONAWAY® HI-PERDRAIN™

## FEATURES

- Easy to Install
- Low Profile Design (4" depth)
- Flows 2.5 GPM @ 4" of Vacuum
- Fits RadonAway Clear Covers
- > 3 GPM Maximum Flow
- Lock Nut Included
- 2" NPT
- Durable PVC Body
- No "Whistling" under Vacuum
- Removable Grate and Ball for Easy Cleaning and Maintenance



HI-PERDRAIN ST  
28477



HI-PERDRAIN RF  
28512

## RETROFIT KIT

### HI-PERDRAIN RF

With the HI-PERDRAIN RF adapter kit retrofitting a sump cover drain is a snap. Using a hole saw (such as RadonAway's P/N 28282-32), just cut a 3.5" hole in the cover, drop in the adapter and seal in place.



## RADONAWAY® CLEAR COVER W/ DRAIN

### HI-PERDRAIN SUMP COVER KIT

Kit includes a 16", 18", 20" or 24" diameter, flat, clear cover with a HI-PERDRAIN ST and 5" plugged access port.

ITEM	P/N	DESCRIPTION	QTY	PRICE
HI-PERDRAIN ST	28477	Easy to install sump cover drain fits RadonAway clear covers (See p. 40 for details.)	1	
HI-PERDRAIN RF	28512	Adapter kit for retrofitting existing sump cover with HI-PERDRAIN ST (See p. 40 for details.)	1	
16" RadonAway Clear Cover w/ Drain	25072	16" diam., flat, clear, with HI-PERDRAIN ST and 5" plugged access port	1	
18" RadonAway Clear Cover w/ Drain	25073	18" diam., flat, clear, with HI-PERDRAIN ST and 5" plugged access port	1	
20" RadonAway Clear Cover w/ Drain	25074	20" diam., flat, clear, with HI-PERDRAIN ST and 5" plugged access port	1	
24" RadonAway Clear Cover w/ Drain	25075	23.75" diam., flat, clear, with HI-PERDRAIN ST and 5" plugged access port	1	
HI-PERDRAIN ST Contractor Pack	25087	Convenient, budget-friendly package includes 20 HI-PERDRAIN ST sump cover drains	20	
16" Clear Sump Cover Contractor Pack	83015	16" diam., flat, clear, with HI-PERDRAIN ST and 5" plugged access port. 10-pack.	10	
18" Clear Sump Cover Contractor Pack	83016	18" diam., flat, clear, with HI-PERDRAIN ST and 5" plugged access port. 10-pack	10	
20" Clear Sump Cover Contractor Pack	83017	20" diam., flat, clear, with HI-PERDRAIN ST and 5" plugged access port. 10-pack	10	
24" Clear Sump Cover Contractor Pack	83018	23.75" diam., flat, clear, with HI-PERDRAIN ST and 5" plugged access port. 10-pack	10	

# SUMP COVERS



Cover  
28457



Dome Cover  
28097-2



Crawlspace Basin cover  
28286



Flat Cover w/ Viewport  
28509



High Rise Cover  
28451

ITEM	P/N	BODY MATERIAL	PRICE
Cover	28457	18" diameter (21" with lip), gas-tight solid polypropylene	
Retrofit Cover	13025-1	16" x 16" x 1/4" Clear Lexan™	
Retrofit Cover	13025-2	24" x 24" x 1/4" Clear Lexan™	
Dome Cover	28097-1	.093" ABS; easy installation without pump removal; 24"OD 3" tall.	
Dome Cover	28097-2	.187" ABS; easy installation without pump removal; 24"OD 3" tall.	
Crawlspace Basin Cover	28286	Fits crawlspace sump basin above (sealing kit included)	
High Rise Cover	28451	22" x 21"; includes cover, removable door, screws and sealant	
21" Flat Cover	13297	21" diam. cover, flat, solid, black	
24" Flat Cover	13299	24" diam. cover, flat, solid, black	
28" Flat Cover	13300	28" diam. cover, flat, solid, black	
21" Flat Cover w/ Grommets	13298	21" diam. cover, flat, solid, black with grommets	
21" Diameter Sump Cover	13427-1	Flat, black, w/ hole	
24" Diameter Sump Cover	13427-2		
18" Cover with Hole	28503	.093 ABS with 4" hole	
16" RadonAway Clear Cover	28478	16" diam., flat, clear, 2" threaded port for drain w/ 5" plugged access port	
18" RadonAway Clear Cover	28479	18" diam., flat, clear, 2" threaded port for drain w/ 5" plugged access port	
20" RadonAway Clear Cover	28480	20" diam., flat, clear, 2" threaded port for drain w/ 5" plugged access port	
24" RadonAway Clear Cover	28481	24" diam., flat, clear, 2" threaded port for drain w/ 5" plugged access port	
21" Flat Cover w/ Viewport	28508	21" diam., flat, black, with viewport	
24" Flat Cover w/ Viewport	28509	23.75" diam., flat, black, with viewport	

\* Additional shipping charges

## SUMP COVER VIEWPORTS



Viewport  
76077



Viewport and Grommet  
28507



Retrofit Viewport Kit  
25071

ITEM	P/N	BODY MATERIAL	PRICE
Viewport Only	76077	PVC and acrylic	
Viewport and Grommet	28507	PVC, acrylic, rubber	
Retrofit Viewport Kit	25071	Acrylic	

## TOPP SEALS

Seals penetrations in sump covers.  
*More flexible for easier installation!*

- Long life
- Replaces and outlasts most bolt-on flanges

	ITEM	P/N	PIPE SIZE	HOLE	PRICE
	G125SP	67100	1 ¼"	2"	
	G150SP	67101	1 ½"	2 ½"	
	G200	67102	2"	3"	
	G300	67103	3"	4"	
	G400	67104	4"	5"	

## UNISEALS

- Long Lasting
- Resistant to oils, acids, greases and more
- Withstands heat and cold

	ITEM	P/N	PIPE SIZE	HOLE	PRICE
	UECG	67020	For electric cord	2"	
	U38	67114	For 3/8" pipe	1.25"	
	U05	67112	For 1/2" pipe	1.25"	
	U75	67116	For 3/4" pipe	1.25"	
	U100	67113	For 1" pipe	1.75"	

## SUMP BASINS

ITEM	P/N	BODY MATERIAL	PRICE*
Basin	28018-1	Non-corrosive, high-impact polyethylene, 18" diameter x 22" deep	
Crawlspace Sump Basin	28285	17" diameter x 16" deep, perforated and ready to install	
Crawlspace Basin Cover	28286	Fits crawlspace sump basin above (sealing kit included)	
18" Basin	28505	18" diameter x 30" deep	
18" Perforated Basin	28494	18" diameter x 22" deep, perforated	
Mini Basin	28484	16" diameter x 17" deep, Crawlspace mini basin with lid, perforated	
Sump Cover	28502	18" Diameter w/ hole for electrical and discharge	



Crawlspace Sump Basin  
28285



Crawlspace Basin Cover  
28286



18" Perforated Basin  
28494

\*Additional shipping charges apply. Call for details.

# SUMP PUMPS & ACCESSORIES

ITEM	P/N	HP	DESCRIPTION	PRICE
<b>SUBMERSIBLE PUMP</b>				
	SPF33	28013	1/3	Glass-reinforced thermoplastic housing; rust and corrosion proof <ul style="list-style-type: none"> <li>Mechanical float switch</li> <li>Heavy duty motor with overload protection</li> <li>Durable glass-reinforced polycarbonate impeller</li> <li>High capacity 1 1/2" discharge</li> <li>1-year warranty</li> </ul>
	SPF50	28096	1/2	
	CDU790	28014-1	1/3	Cast iron pump housing for durability
<b>CONDENSATE PUMP</b>				
	Condensate Pump WCP85	28283	-	Removes condensation created by air conditioning and high efficiency furnaces. <ul style="list-style-type: none"> <li>Pumps up to 82 GPH @ 0'</li> <li>Durable thermoplastic construction, built-in mounting brackets</li> <li>Built-in automatic float switch with overflow safety shut-off</li> <li>2-quart reservoir</li> <li>3/8" Discharge with integrated check valve</li> </ul>
	1.6 GPM Diversitech Condensate Pump Kit	28608	-	Includes pump, sensor and 20' vinyl hose For use with Aprilaire steam dehumidifiers and humidifiers High temperature condensate pump with a low profile design; rated for up to 160 degrees.
<b>SUMP PUMP ACCESSORIES</b>				
	1 1/2" Silent Check Valve	28015		Prevents water from backing into the sump pump system
	PVC Tubing	78036		For condensate pumps, 1 1/2" Check Valve; 3/8" ID, 1/2" OD, (25' roll)
	3" Drain Check Valve	79057		<ul style="list-style-type: none"> <li>Connects to daylight end of drain tile</li> <li>White PVC flapper valve allows water to drain during depressurization</li> </ul>
	4" Drain Check Valve	79058		
	Dual Water Sensor Alarm	28450		Detects water and sounds loud 85 dB alarm; sensors can be placed up to 12' apart (battery not included)
	Sump Donut	28376		Provides tight seal for existing sump pit prior to installing crawlspace retarder/barrier. 24" x 24" to fit sump pit up to 24" in diameter
	U-Stop Bushing	79219		4" pipe bushing; stops pipe at base of bushing; for sump covers and slab penetrations: Schedule 40

## APRILAIRE DEHUMIDIFIERS

Aprilaire Dehumidifiers control humidity in crawlspaces, basements or the whole home, protecting against structural damage, pests, and mold. We offer 4 models to choose from. Features include:

- Easy Installation
- Automatic humidity sensing
- Low Maintenance
- 5-Year warranty
- Removes up to 70 to 130 PTS (depending on model)
- Made in USA

ITEM	P/N	DESCRIPTION	PRICE
	Aprilaire 1820 <sup>2</sup> 28561	(70 PTS, up to 2200 SF) crawlspace unit	
	Aprilaire 1830 <sup>1</sup> 28562	(70 PTS, up to 2200 SF) crawlspace and basement unit	
	Aprilaire 1850 <sup>1</sup> 28563	(95 PTS, up to 3000 SF) basement unit	
	Aprilaire 1870 <sup>1</sup> 28564	(130 PTS, up to 3900 SF) whole house unit	
	Aprilaire Hanging Kit <sup>2</sup> 28568	Used for hanging Aprilaire models 1820, 1830, 1850, 1870	

<sup>1</sup>Drop ship only. <sup>2</sup>Stocked in IN only.

## SANTA FE DEHUMIDIFIERS

ITEM	P/N	DESCRIPTION	PRICE
	Santa Fe Classic 28513 <sup>1</sup>	Can remove about 110 pints of moisture per day from spaces up to 2,500 sf; Energy Star® Rated.	
	Santa Fe Advance 28514 <sup>1</sup>	High capacity crawlspace dehumidifier removes up to 90 pints of water per day from spaces up to 2200 sf.	
	Santa Fe Compact 28515 <sup>1</sup>	Crawlspace dehumidifier; 21"w x 12"h x 12"d. Removes about 70 pints of moisture per day from spaces up to 1,600 sf.	
	Santa Fe Max Dry 28516 <sup>1</sup>	Large-capacity unit can remove up to 155 pints of moisture per day from a 3,600-sf space. Energy Star® Rated.	
	Santa Fe Adv. Duct Kit 78053 <sup>1</sup>	Includes intake hood with 2 intakes (6" and 8") and exhaust collar with 8" port	
	Santa Fe Adv. Pump Kit 28504 <sup>1</sup>	Includes pump with mounting bracket, hose elbow assembly, and 20' vinyl hose	

<sup>1</sup>Drop ship only.



# TOOLS, EQUIPMENT & SAFETY

## DUST CONTROL PRODUCTS

ITEM	P/N	DESCRIPTION	PRICE
	75016	Captures up to 99% dust, slurry, and debris; 8" diameter can be cut to fit bit size; port fits most standard wet/dry vacuum hose cuffs at 2.25". Complies with OSHA silica laws and EPA Regulations for point-of-origin dust containment.	
	75017	Captures up to 99% dust, slurry, and debris; works with any drill bit 4" or smaller; made of flexible rubber that sucks to any surface. Complies with OSHA Silica Rule and EPA Regulations for point-of-origin dust containment.	
	75018	Captures up to 99% dust, slurry, and debris; works with any drill bit 1 3/8" or smaller; made of flexible rubber that sucks to any surface. Complies with OSHA Silica Rule and EPA Regulations for point-of-origin dust containment.	

## TOOLS

ITEM	P/N	DESCRIPTION	PRICE
	68110	Safe to use on hands, surfaces, and tools; absorb and lock in contaminants like caulking, urethane foam, fiberglass resin, grease and oil. Low toxicity profile, non-flammable, non-combustible, low vapor pressure, yet exceptionally powerful compared to traditional solvents and cleaning products. (60/container)	
	80009	Cuts flexible conduit quickly and smoothly.	
	28371	4"D x 26"L - Cleans dirt from deep into sub-slab holes; fits 1/2" chuck	



### TECH TIP

To reduce the amount of hazardous silica dust that workers breathe in on jobsites, the U.S. Occupational Safety and Health Administration (OSHA) has ruled that all employers are responsible for preventing employees from inhaling silica dust in amounts that exceed the permissible exposure limit, or PEL. The regulations reduce worker exposure to no more than 50 micrograms of silica dust over an eight-hour shift.

### DID YOU KNOW?

# TOOLS

ITEM	P/N	DESCRIPTION	PRICE
 	20" PVC Saw	28373	10 teeth per inch; high quality, hardened steel
	12" PVC Saw	28372	13 teeth per inch; teeth on nose for tight spots; high quality, hardened steel
	Barrier Knife	28374	Durable plastic blade with storage in the handle; 3 blades included
	Barrier Knife Blades	28375	100 replacement blades
	Drill/Tap Combination	28138	For easy installation (use with 3/8" drill or larger)
	3 1/4" Hole Saw	28282-31	For 3" Schedule 20-30 pipe
	3 1/2" Hole Saw	28282-32	For 3" Schedule 40 pipe
	3 5/8" Hole Saw	28282-33	For 3" Schedule 40 pipe
	4 1/4" Hole Saw	28282-34	For 4" Schedule 20-30 pipe
	4 1/2" Hole Saw	28282-35	For 4" Schedule 40 pipe
	4 3/4" Hole Saw	28313-5	For 4" Schedule 40 pipe
	6" x 14TPI	28313-1	<ul style="list-style-type: none"> <li>• Bi-metal</li> <li>• 1/2" universal shank, fits all standard 1/2" shank &amp; reciprocating saws</li> <li>• 10-packs</li> <li>• 6" x 14TPI / 9" x 14TPI (Ideal for PVC &amp; metal)</li> <li>• 6" x 6TPI / 9" X 6TPI (Ideal for wood)</li> </ul>
	9" x 14TPI	28313-2	
	6" x 6TPI	28313-3	
	9" x 6TPI	28313-4	
	Center Bit (Arbor)	28282-37	Arbor keeps saw teeth from "walking"; 3/8" hex shank

## DID YOU KNOW?

## TECH TIP

Our hole saws and blades are not only convenient to purchase with our one-stop shopping, but they also are competitively priced and usually less expensive than if purchased from the big box stores.



# SAFETY GEAR & EQUIPMENT

## Personal Protective Equipment Contractor Kit

PPE (Personal Protective Equipment), which is an important part of a radon professional's Health and Safety Plan, protects workers from injury or illness resulting from contact with physical, mechanical, chemical, electrical, radiological, and other work site hazards.

RadonAway's new PPE Bucket is packed with most of the items a mitigator might need, under certain site conditions, for head to toe protection. The gear collected in our convenient bucket are also available separately below and on the next page.

ITEM	P/N	DESCRIPTION	PRICE
	83008	First Aid Kit (75006) Safety Horn (75022) Safety Vest (75007) Work Gloves (75008) Safety Glasses (75009) Earplugs Hearing Band (75010) Half Mask Respirator (75003) LED Headlamp (75014) 7 Gallon Bucket (75020) Knee Pads (75012) Hard Hat (75011) Padded Bucket Lid Seat	
	75005	Keeps clothing free of dust, and dirt, breathable back panel helps improve air ventilation; 2-way zipper, elastic waist, wrists and cuffs for better fit. Size XL	
	75007	High-visibility yellow and Scotchlite™ Reflective Material. Comfortable mesh fabric; adjustable side straps; cell-phone pocket.	
	75006	Comprehensive 118-piece kit; compact, durable, transparent case; meets ANSI Z308 requirement.	
	75022	Compact and easy to use; audible to 1/2 mile. Press the button to signal for help.	
	75013	Connects to all standard size extension ladders; attaches to plywood with standard construction nails.	

# SAFETY GEAR & EQUIPMENT

ITEM	P/N	DESCRIPTION	PRICE
	3M™ Half Mask Respirator 75003	Multi-purpose respirator for removal of certain mold, lead and sprays from coatings and sealants. Includes 1 set of filters. NIOSH approved: OV/AG/P100.	
	3M™ Replacement Respirator Filters 75004	Use with 3M™ 6000 or 7500 Series face pieces to help filter out toxic fumes and contaminants plus certain mold, lead, and sealant and coating sprays.	
	3M™ 8210 Particulate Respirators N95 (20-Pack) 75012	Disposable Paint Prep Particulate Respirator, Advanced Electrostatic Media, NIOSH approved: N95.	
	3M™ Glasses SF201AS Clear, Anti-Scratch 75009	Anti-scratch coating, impact resistant polycarbonate lenses. Meets the requirements of CSA Z94.3 and ANSI Z87.1-2015	
	3M™ Hearing Band Earplugs 75010	Lightweight, low profile, comfortable with hard hat and for extended wear; soft, flexible foam conforms to ear canal.	
	3M™ Hard Hat White, 4-Point Ratchet Suspension 75011	Lightweight, 4-point ratchet suspension, wear in the forward or reverse position. Meets ANSI/ISEA Z89.1-2014 Type I, Class G and E requirements.	
	Rechargeable LED Headlamp - Streamlight Bandit Pro 75014	220-yard beam without distortion, Rechargeable 2200MAH battery, waterproof, 6063 aluminum, Detachable, adjustable, 5 different modes.	
	Work Gloves (Anti-Vibration) 75008	Vibration-dampening polymer; specially compounded, formed-latex coating; and ergonomic design. Meets the EN ISO/ANSI standard for vibration reduction. Size XL	
	X3 Industrial Nitrile Gloves (50 Count) 75001	Textured fingers, fingertips, and palms, latex-free, powder-free, and generally safe for users, including those with a natural rubber allergy.	
	Gel Knee Pads (NOCRY) 75015	Heavy-duty poly shield and thick foam with soft gel core and durable EVA foam padding; abrasion-resistant PVC caps, anti-slip.	
	Polyethylene Shoe Covers with Anti Skid (5 Pair) 75000-2	Blue, water-resistant, size XL; non-particulating, extruded cross linked 100% polyethylene with heat sealed seams.	



# RADON IN WATER REMOVAL



Aeration has long been considered the *Best Available Technology* for reducing radon in drinking water and is also an effective method for removing other contaminants. One of the reasons is that, unlike granular activated carbon (GAC) removal, the gas is vented safely into the outside air, so there is no radioactive waste left behind.

The AIRRaider™ series of diffused bubble water aeration systems manufactured by RadonAway® have long set the standard for effective removal of radon and VOCs from drinking water. We own and are the sole manufacturer of the CLEARADON® 3311, which expands our water aeration capabilities further. We offer our customers the choice of three different aeration processes to suit their waterborne radon reduction needs.

## RADONAWAY® AERATION EQUIPMENT FEATURES

- **No Sweating**  
*Double-wall, foam-insulated tank will not sweat.*  
**Result: No messy puddles. No increased dampness.**
- **Easy Maintenance**  
*Fully accessible for easy cleaning from the top.*
- **Lead Free**  
*Meets SDWA Reduction of Lead in Drinking Water Act requirements.*
- **2-Year Warranty**
- **Proven Effective**  
*All RadonAway® radon in water systems have been field-tested and lab-tested for radon reduction effectiveness.*  
**Result: Removes up to 99+% of radon (dependent upon system configuration).**
- **Remote Air Intake (AIRRaider™ only)**  
*AIRRaider™ systems can draw clean, filtered air from other locations with a 1" or 1 1/4" air intake line.*  
**Result: Minimized backdrafting and reduced potential for contamination from airborne pollutants.**

## AERATION PROCESS

All aeration equipment manufactured by RadonAway® employs methods that force large volumes of air through water. The resulting gases, including radon and VOCs, are then vented above the roof.



### Diffused Bubble

RadonAway's AIRRaider™ 433, introduced to the radon industry more than 20 years ago, uses an exclusive multi-stage diffused bubble aeration process that produces a radon reduction rate up to 99+%. In this method of aeration, the AIRRaider tank is divided into four chambers. Water is aerated by the forced introduction of filtered air through diffusers, creating fine bubbles; this process occurs in three separate chambers before reaching the fourth chamber, where it is ready for use. All AIRRaider 433 models, including the 433-S series with submersible pumps, employ this process of aeration.



### Spray/Diffused Bubble

RadonAway 321 AIRRaider™ models use both spray and diffused bubble aeration to remove up to 95+% of radon from water. In this process, water is sprayed into a chamber via a spiral spray nozzle where filtered air is forced into the water column to accomplish the first stage of aeration; then the water is again aerated by a diffuser introducing additional filtered air. The water in the tank is then ready for use. The 321 is also available with internal submersible pump (see 321-S50X, p. 76).



### Shallow Tray

RadonAway's CLEARADON® 3311 employs an aeration method where water is sprayed into a perforated, spiralled tray chamber, while filtered air is forced from below the tray through the tray perforations, aerating the water. After thorough aeration, the water is allowed to flow into the bottom chamber of the CLEARADON®, where it is ready for use. Reduces up to 99+% of radon.

# AIRAIDER™ PERFORMANCE & TECHNICAL SPECS



AIRaider™ 321  
28424



AIRaider™ 433  
28426



AIRaider™ 433-1  
28427

MODEL	AIRaider™ 321	AIRaider™ 321-S50X	AIRaider™ 433	AIRaider™ 433-1
P/N	28424	28425	28426	28427
SYSTEM VOLTAGE	115V	115V	115V	115V
BLOWER	0.11 hp Regenerative	0.11 hp Regenerative	0.5 hp Regenerative	0.5 hp Regenerative
PLUMBING CONNECTION	3/4" Quick Connect In/Out	3/4" Quick Connect In/Out	3/4" Quick Connect In/Out	1" Quick Connect In/Out
FLOW RATE <sup>1</sup>	Up to 10 GPM <sup>4</sup>	Up to 10 GPM <sup>4</sup> @ 40 PSI	Up to 15 GPM <sup>4</sup>	Up to 20 GPM <sup>4</sup>
PSI RANGE <sup>2</sup>	PSIs Vary	40-60 PSI	PSIs Vary	PSIs Vary
RADON REDUCTION <sup>3</sup>	Up to 95%+	Up to 95%+	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	35"H x 34.25"W x 22"L	35"H x 34.25"W x 22"L
REPRESSURIZATION PUMP	Sold Separately	0.5 hp Submersible	Sold Separately	Sold Separately
REPRESSURIZATION TANK <i>Repressurization Tank sold separately</i>	Tank Requirements Vary by Pump and Pump Size. Call for Details.	20 Gal. Min. Recommended	Tank Requirements Vary by Pump and Pump Size. Call for Details.	Tank Requirements Vary by Pump and Pump Size. Call for Details.

<sup>1</sup>Flow rate out of system must be balanced to be less than flow rate into system.  
<sup>2</sup>Range may vary slightly.  
<sup>3</sup>Site-specific characteristics and system implementation may affect performance.  
<sup>4</sup>GPM dependent upon repressurization selection. Please call for sizing and technical assistance.

# AIRAIDER™ PERFORMANCE & TECHNICAL SPECS



AIRaider™ 433-S50  
28428



AIRaider™ 433-S50X-1  
28473



CLEARADON® 3311  
28455

AIRaider™ 433-1TF	AIRaider™ 433-S50	AIRaider™ 433-S50X	AIRaider™ 433-S50X-1	CLEARADON®3311
28338	28428	28429	28473	28455
115V	115V	115V	115V	115V
0.5 hp Regenerative	0.5 hp Regenerative	0.5 hp Regenerative	0.5 hp Regenerative	0.5 hp Centrifugal
¾" FNPT Inlet 1¼" FNPT Outlet	¾" Quick Connect In/Out	¾" Quick Connect In/Out	1" Quick Connect In/Out	¾" Hose Adapter Inlet, 1" Hose Adapter Outlet
Up to 20 GPM <sup>4</sup>	Up to 16 GPM <sup>1,4</sup> @ 40 PSI	Up to 16 GPM <sup>1,4</sup> @ 40 PSI	Up to 16 GPM <sup>1,4</sup> @ 40 PSI	6 GPM up to 9 GPM <sup>4</sup>
N/A	40-60 PSI	40-60 PSI	40-60 PSI	PSIs Vary
Up to 99%+	Up to 99%+	Up to 99%+	Up to 99%+	Up to 99%+
35"H x 34.25"W x 22"L	35"H x 34.25"W x 22"L	35"H x 34.25"W x 22"L	35"H x 34.25"W x 22"L	36" H x 38" Diam.
N/A	0.5 hp Submersible	0.5 hp Submersible	0.5 hp Submersible	Sold Separately
N/A	5 Gal. Min. Required (pressure set to 35 PSI)	20 Gal. Min. Recommended	20 Gal. Min. Recommended	Tank Requirements Vary by Pump and Pump Size. Call for Details.



Made in the USA with  
U.S. and imported parts.

# PRODUCT OVERVIEW



## 433 Series

### Proven Effective

The AIRRaider™ 433 models successfully and dependably remove radon and VOCs from well water through a patented multi-stage aeration method. For over 20 years, they have provided the standard by which other radon in water aeration equipment is measured. Provides up to 99+% radon reduction.

### Tank Capacity:

44 gallons

### Tank Dimensions:

35"H\* x 34.25"W x 22"L

\*40.25" to top of cover hub



## 433-S Series

### Submersible Pump

The 433-S series takes the 433 to a new level. With engineering that includes an integrated internal repressurization pump, S series models offer easy installation, a smaller footprint and quieter operation. Provides up to 99+% radon reduction.

### Tank Capacity:

44 gallons

### Tank Dimensions:

35"H\* x 34.25"W x 22"L

\*40.25" to top of cover hub



## 321 & 321-S50X

### Value Priced

The AIRRaider™ 321 models combine spray and diffused bubble aeration for the best quality and results at a value price. Developed for easy installation, they are ideal when the more powerful 433 is not required.

The 321-S50X includes an integrated internal repressurization pump. Provides up to 95+% radon reduction.

### Tank Capacity:

44 gallons

### Tank Dimensions:

35"H\* x 34.25"W x 22"L

\*40.25" to top of cover hub



## CLEARADON® 3311

### Energy Efficient

The CLEARADON® fits conveniently into your current water system (in the basement or utility room). Designed and manufactured for years of trouble-free operation, this powerful, yet energy efficient system can provide up to 99+% radon reduction.

### Tank Capacity:

14.5 gallons

### Tank Dimensions:

36" H x 38" D

\*3 recommended GPM should not be exceeded. High flow rates will decrease contaminant removal.



# DESCRIPTIONS & PRICING

ITEM	P/N	VOLTAGE	DESCRIPTION	PRICE
AIRaider™ 321	28424	115V	Spray/diffused bubble aeration system with adjustable aeration timer. Includes UL listed control panel, repressurization pump wire, mounted solenoid valves, 3/4" Quick Connect plumbing connection, 2" x 3" flexible coupling, auto shutoff valve/alarm. Bypass <u>not</u> included. Pump and tank sold separately.	
AIRaider™ 321-S50X	28425	115V	Spray/diffused bubble aeration system with submersible 1/2 hp integrated internal repressurization pump controlled by standard Square D pressure switch (40-60 psi range), adjustable aeration timer. Includes UL listed control panel, mounted solenoid valves, 3/4" Quick Connect plumbing connection, 2" x 3" flexible coupling, auto shutoff valve/alarm. Bypass <u>not</u> included. Tank (20 gal minimum recommended) sold separately.	
AIRaider™ 433	28426	115V	Multi-stage diffused bubble aeration system with adjustable aeration timer. Includes UL listed control panel, repressurization pump wire, mounted solenoid valves, 3/4" Quick Connect plumbing connection, 2" x 3" flexible coupling, auto shutoff valve/alarm. Bypass <u>not</u> included. Pump and tank sold separately.	
AIRaider™ 433-1	28427	115V	Multi-stage diffused bubble aeration with adjustable aeration timer. Includes UL listed control panel, repressurization pump wire, mounted solenoid valves, 1" Quick Connect plumbing connection, 2" x 3" flexible coupling, auto shutoff valve/alarm. Bypass <u>not</u> included. Pump and tank sold separately.	
AIRaider™ 433-1TF	28338	115V	Multi-stage diffused bubble aeration system with UL listed control panel. Designed for installation with atmospheric storage. Flow-through, gravity-fed system, adjustable aeration timer, repressurization pump wire, fused circuitry, 3/4" FNPT Inlet, 1 1/4" FNPT Outlet, and 2" x 3" flexible coupling, auto shutoff valve/alarm.	
AIRaider™ 433-S50	28428	115V	Multi-stage diffused bubble aeration system with submersible 1/2 hp integrated internal repressurization pump controlled by 50 psi pressure regulator and standard Square D pressure switch (40-60 psi range), adjustable aeration timer. Includes UL listed control panel, built-in 3/4" solenoid valves and attached 3 ball valve bypass, 3/4" Quick Connect plumbing connection, 2" x 3" flexible coupling, auto shutoff valve/alarm. Tank (5 gal required - pressure set to 35 PSI) sold separately.	
AIRaider™ 433-S50X	28429	115V	Multi-stage diffused bubble aeration system with submersible 1/2 hp pump controlled by standard Square D pressure switch (40-60 psi range), adjustable aeration timer. Includes UL listed control panel, mounted solenoid valves, 3/4" Quick Connect plumbing connection, 2" x 3" flexible coupling, auto shutoff valve/alarm. Bypass <u>not</u> included. Tank (20 gal minimum recommended) sold separately.	
AIRaider™ 433-S50X-1	28473	115V	Multi-stage diffused bubble aeration system with submersible 1/2 hp pump controlled by standard Square D pressure switch (40-60 psi range), adjustable aeration timer. Includes UL listed control panel, mounted solenoid valves, 1" Quick Connect plumbing connection, 2" x 3" flexible coupling, auto shutoff valve/alarm. Bypass <u>not</u> included. Tank (20 gal minimum recommended) sold separately.	
CLEARADON® 3311	28455	115V	Shallow tray aeration system with UL listed control panel. Includes 3/4" solenoids, 3/4" Hose Adapter Inlet/1" Hose Adapter Outlet plumbing connection. Bypass <u>not</u> included. Pump Controller is a pressure switch or intergral to the pump (both sold separately). Tank size varies by pump size and is sold separately.	

Site specific characteristics and system implementation may affect radon reduction. Repressurization pumps and bypass assemblies sold separately (see p. 78 & 79). FOB Ward Hill, MA at cost; residential deliveries additional.

## PUMPS & TANKS

ITEM	P/N	VOLTAGE	DESCRIPTION	PRICE
	51108	115	MQ3-45 self-priming, multi-stage jet pump <i>Note: 30-month manufacturer warranty from date of manufacture or 24 months from installation date.</i>	
	51109	230		
	28347	115	Replacement pump for AIRaider™ 433-S50, 433-S50X, 321-S50X and EZ <sup>95</sup> manufactured after April 1, 2013.	
	51154	-	Minimum size expansion tank required for use with the AIRaider™ 433-S50X and 321-S50X. Drawdown (before pump cycles on) is 5.9 gal with a 40/60 pressure switch, and 6.8 gal with a 30/50 pressure switch. WR60-OLC well tank.	
	51105	-	2.1 gallon expansion tank used for surge suppression and/or pressure regulation.	
	51155	-	Expansion tank for use with AIRaider™ 433-S50 and EZ <sup>95</sup>	
	28379	-	Heavy-gauge stainless steel bracket designed and engineered by RadonAway® specifically to create a secure wall-mount for 5 gal bladder tank. Recommended for use with AIRaider™ 433-S50.	



### TECH TIP

### AIRAIDER / CLEARADON SERVICE

All water filtration systems, including our AIRaider™ and Clearadon® systems require regular service to keep the system clean and working to its maximum efficiency and effectiveness. Unlike a Granular Activated Carbon (GAC) system, an AIRaider or CLEARADON water aeration system does not require the handling and removal of potentially hazardous materials. Provide annual service (or schedule more frequently, as determined by the first six-month service call). During the service:

- Check all the vital functions of the unit.
- Provide a thorough cleaning and chlorination.
- Flush the entire system as necessary.
- Change pre-filtration filters.

# BYPASS ASSEMBLY OPTIONS

ITEM	P/N	PLUMBING CONNECTION	DESCRIPTION	PRICE
	80007	-	Replacement stem assembly for Divertafllo Bypass.	
	28309	3/4"	3/4" Clack bypass valves, inline adapter fittings and SharkBite® connectors for easy installation and service.	
	28310	3/4"	3/4" Clack bypass valves, inline adapter fittings and sweat connectors for easy installation and service.	
	28312	-	Two-position Clack bypass provides easy-to-operate "run" and "bypass" modes.	
	79123	3/4"	For use when connecting bypass to any 3/4" piping. (2 per set)	
	79126	3/4"	For use when connecting bypass to 3/4" copper pipe. (2 per set)	

## ACCESSORIES & REPLACEMENT PARTS

ITEM	P/N	SIZE	DESCRIPTION	PRICE
	28276	3/4"	Motorized point-of-leak detection, ball valve automatic shut-off system that prevents potential overflows if debris clogs a valve. (1" and 1.25" sizes available)	
	25031	-	Fits any pump; recommended for use with Grundfos.	
	28171-3	1 3/4"	For remote air intake	
	76043	3/4"	Hydra-Rester®: compact size; installs upright, horizontally, or angled; sealed wall installation.	
	76083	1"		
	97001	1 1/4"	Glass buss fuse (slow blow) used with AIRaider™ and CLEARADON®	

## ACCESSORIES & REPLACEMENT PARTS (CONTINUED)



Polymer Solenoid Valve  
98046



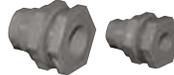
Stainless Steel Solenoid Valve  
98050



Single Wire Din Connector  
99038



Float Switch  
73036-2



Bulkhead Fitting  
79062-1 / 2



Air Filter Element  
28195

ITEM	P/N	SIZE	DESCRIPTION	PRICE
Air Filter Element	28195-1	-	Replacement element 14P for 201, 211, 321	
	28195-2	-	Replacement element 18P for 433, EZ <sup>95</sup>	
	28195-3	-	Replacement element 848 for inline, AIRRaider™	
	28391	-	Replacement element 234P for CLEARADON®	
Solenoid Valve	98046	3/4"	Polymer, electro-mechanical water control valve for 321, CLEARADON®	
	98049	3/4"	Stainless Steel electro-mechanical water control valve with coil	
	98050	3/4"		
	98043	1"		
Single Wire Din Connector	99038	-		For use with 3/4" polymer solenoid valve (P/N 98046)
	26010	-	For use with 3/4" and 1" stainless steel solenoid valves (P/N 98050 and 98043)	
Float Switches	73036-1	-	On/Off differential 3 1/2" / Narrow (Black)	
	73036-2	-	On/Off differential 1 1/4" / 45° (Blue)	
	73056	-	Vertical float switch for EZ <sup>95</sup> on/off	
	73050	-	Low water pump float switch 3 1/2" / 45	
	73060	-	Replacement for CLEARADON®	
Replacement Float Tether Kit	24040	-	Field replacement tether clip kit (5 pieces/kit) for AIRRaider™ 321 and 433 "S" series	
Lid Gasket	66100	-	Replacement gasket for CLEARADON®	
	13172	-	Replacement gasket for 321, 433 Series	
	13153	-	Replacement gasket for EZ <sup>95</sup> , aeration chamber	
	13121	-	Replacement gasket for EZ <sup>95</sup> , outer cover	
	66052	-	1/2" x 3/4" x 1', 10' / system for CLEARADON®	
Bulkhead Fitting	79062-1	1/2"	Tank fitting, rubber O-ring gasketed fitting for older AIRRaider™ models	
	79062-2	1"		
	79174-1	1/2"	Tank fitting, rubber O-ring gasketed fitting for CLEARADON®	
	79174-2	3/4"		
	79174-3	1"		
Smart Valve Replacement Kit	28459	-	Replacement kit for Smart Valves	
Filter Cap	28392	-	Protects filter from dirt, dust and debris	
3/4" Floodstop Retrofit Kit	25091	3/4"	3/4" Retrofit Kit	
1" Floodstop Retrofit Kit	25092	1"	1" Retrofit Kit	
3/4" Field Service Floodstop Retrofit Kit	25089	3/4"	3/4" Field Service Kit	
1" Field Service Floodstop Retrofit Kit	25090	1"	1" Field Service Kit	



# INDOOR AIR QUALITY & VENTILATION

# HEAT RECOVERY / ENERGY RECOVERY



## Sizing HRVs & ERVs:

HRVs/ERVs are typically sized to ventilate the whole house at a minimum of 0.35 air changes per hour. To calculate, multiply the square footage of the house (including basement), by the height of the ceiling to get cubic volume. Divide cubic volume by 60 and multiply by 0.35.

### Example:

Sq. Ft. of House	1,100
Basement	<u>+1,100</u>
Total Sq. Ft.	2,200
Height of ceiling	<u>x 8</u>
Cubic volume	17,000
Minutes per hour	<u>: 60</u>
	293
Minimum air changes	<u>x 0.35</u>
Minimum (cfm) airflow required	103

## FEATURES

- Compact design
- Backward-curved blade motors
- Electrostatic filters (washable)
- Aluminum heat recovery core
- External screw-type dry contacts
- Improved core guide channels for easy removal of core

## WHY CHOOSE AN HRV/ERV?

By bringing in a continuous supply of fresh air and exhausting contaminated air, HRVs and ERVs can reduce radon levels in homes where Active Soil Depressurization is unlikely to be successful.

## WHICH TO CHOOSE

The climate conditions where you are installing the equipment will determine whether you will need a Heat Recovery Ventilator or an Energy Recovery Ventilator.

**HRVs are usually recommended for colder climates with longer heating seasons.**

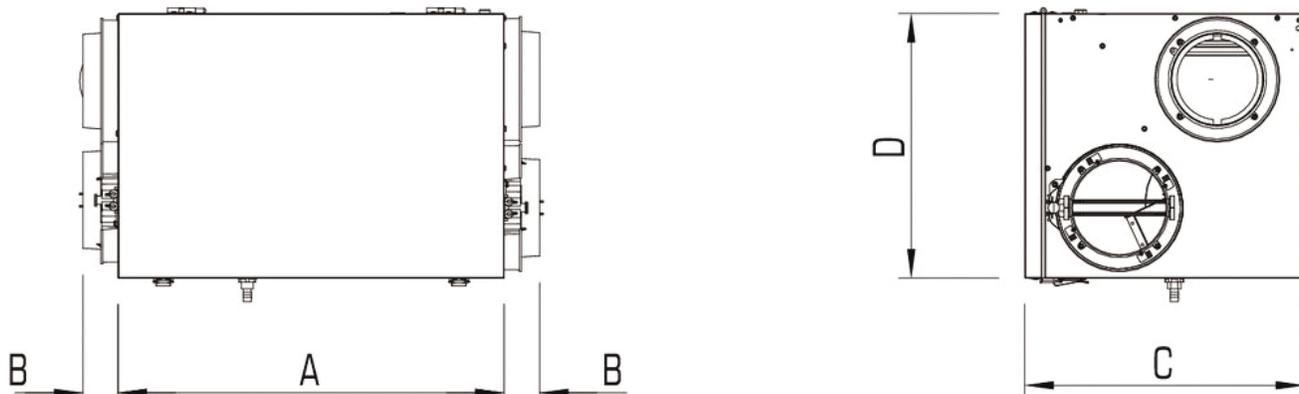
**ERVs are used for warmer, more humid climates with long cooling seasons. They use enthalpic cores to transfer both heat and moisture.**

## FANTECH HRV / ERV MODELS

TYPE		MODEL	P/N	SIZE	CFM	PRICE <sup>2</sup>
	SHR 150 28129	SHR 150	28129	Up to 3750 sf	150	
		SHR 200	28130	Up to 5000 sf	200	
	SHR 150R <sup>1,3</sup>	SHR 150R <sup>1,3</sup>	28444	Up to 3600 sf	50-149	
	SHR 200R <sup>1,3</sup>	SHR 200R <sup>1,3</sup>	28445	Over 5000 sf	60-200	
		SER 150 <sup>3</sup>	28447	Up to 3750 sf	150	
		SER 200 <sup>3</sup>	28448	Up to 5000 sf	200	

<sup>1</sup>With recirculating defrost, 5-port    <sup>2</sup>All require additional shipping charges.    <sup>3</sup>Drop ship only. Call for details.

# DIMENSIONS DIAGRAM FOR SHR200/200R



A 28 (710) B 2 1/8 (55) C 17 1/4 (438) D 20 1/2 (522)  
Dimensional information is in inches (mm).

## HEAT RECOVERY / ENERGY RECOVERY

ITEM	P/N	PRICE
6" Damper	28080-3	
6" Louvered self-dampening vent hood—white plastic w/1" tail rim	76015	
6" Louvered undampened intake/exhaust vent—white plastic w/1" tail rim	76023	
6" Wide-mouth aluminum w/tailpiece and damper	76026	
6" x 25' Semi-rigid aluminum flex duct	78019-2	
6" x 25' Foil-laminated flex (UL) duct	78022-2	
6" x 25' Insulated flex duct	78020-2	
6" Metal Y connector	79048	
6" Metal T connector	79046	
6" Metal straight	79047	
6" Metal worm drive clamp	67022-2	
Return / exhaust grill assembly for 4", 6" and 8" duct	76064	
Condensate trap—3/4" diameter	79059	
6" Duct grill metal - joist mount	28103	
6" Duct grill locking ring - ceiling mount	28106	



Damper  
28080-3



Louvered self-dampening vent hood  
76015



Insulated flex duct  
78020-2



Condensate trap  
79059

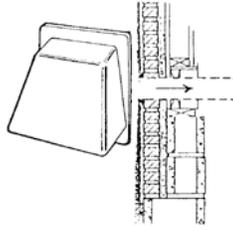


6" Duct grill  
(joist mount)  
28103



6" Duct grill  
(ceiling mount)  
28106

# MAKE-UP AIR



## WHY USE MAKE-UP AIR PRODUCTS?

Use Make-Up Air products to:

- Meet Radon Mitigation Standards
- Avoid possible backdraft problems

The intake hood installs easily through the band joist or foundation wall and connects to ducting using a worm drive clamp. Make-Up Air can then be routed to the desired location, typically near the furnace.

ITEM	P/N	DESCRIPTION	PRICE
Make-Up Air Kit	28079	Intake vent hood with screen; 4" x 25' UL flexible foil-laminated duct; 4" worm drive clamp	

ITEM	P/N	SIZE / DESCRIPTION	PRICE
	76021	4" white plastic wide mouth w/tailpiece	
	78019-3	4" x 8'	
	78022-1	4" x 25'	
	78020-1	4" x 25'	
	78018-1	4" x 20'	
	78018-2	4" x 50'	
	67022-1	4"	
	76032-1	<ul style="list-style-type: none"> <li>• Allows constant amount of fresh air to enter</li> <li>• Self-regulating damper</li> <li>• Telescoping sleeve accommodates wall thickness 5 3/4" to 8"</li> </ul>	
	79041	6" x 4" Metal Reducer	

# PORTABLE AIR PURIFIER



## 9-Stage Professional Air Purification

HealthWay® brings into the home professional-grade air purification technology currently used in hospitals, military applications, and government buildings. Using a 9-stage VOC adsorption filter process, HealthWay systems are proven to capture 99.99% of all particles as small as .007 micron. The 360° intake ensures that the entire room is treated for harmful viruses, mold, and bacteria, leaving only fresh, clean air. The Air Purifier Deluxe model offers convenient 3-speed control and ultra-quiet air flow.



### DID YOU KNOW?

Developed for the U.S. military and recommended by doctors, HealthWay's DFS technology is the gold standard for protecting families from airborne allergens, gases and VOCs. That's why the Cleveland Clinic, Hyatt, Hilton, and many more turn to HealthWay for airpurification solutions.

### SPECIFICATIONS

	High	Med	Low
Power Consumption (Watts)	125	75	65
CFM	200	125	85
Operation Noise (db)	58	51	45

ITEM	P/N	DESCRIPTION	UNIT PRICE		
			1-5	6-11	12+
Healthway Air Purifier Deluxe	28238	99.99% particle efficiency at 0.007 micron, 9-stage VOC adsorption filter for removal of gases and odors. 15"w x 16"d x 27"h. 36 lbs.			

## REPLACEMENT FILTERS

ITEM	P/N	DESCRIPTION	UNIT PRICE	
			1	CASE (10)
Main Filter	28243	12-month replacement recommended; captures 99.99% particles at 0.007 microns; traps and prevents growth of microorganisms.		
Carbon/Zeolite Filter	28241	12-month replacement recommended; absorbs gases, odors and VOCs as part of the HealthWay® Air Purifier Deluxe 9-stage purification process.		

### DID YOU KNOW?

The most effective ways to improve your indoor air are to reduce or remove the sources of pollutants and to ventilate with clean outdoor air. In addition, research shows that filtration can be an effective supplement to source control and ventilation. Using a portable air cleaner...can help to improve indoor air quality. - U.S. Environmental Protection Agency

### TECH TIP





## Super V Whole House Air Purification

"The world's most efficient whole-house air cleaner."

Installed at the point of entry just before the air enters the home's heating and cooling system, this air purifier uses patented DFS (Disinfecting Filtration System) technology that inhibits bacteria, virus, and mold growth within the filter. It circulates fresh, contaminant-free air throughout the entire home. The Super V is installed outside of the furnace's blower, resulting in lower pressure drop and higher energy savings.

### FEATURES

- Filtration Unit CFM Capacity - 2000 CFM
- Point of entry Medical grade air cleaning
- Greater than Merv 16 efficiency with half the pressure drop
- Microbial inhibition property
- Lock tight filtration seal - all air must pass through DFS Filter
- Award Winning Patented DFS Technology
- Deactivates mold, viruses, fungi and bacteria inside the filter
- Most energy-efficient whole-house air cleaner
- Up to 3 years of filter life (50% cycle duty)
- 211 square feet of filter media coverage
- Filter status light / pressure switch monitor
- Power consumption: 4 Watts
- Dimensions: 27" x 24" x 14"
- Weight with filters: 57 lbs



**MADE IN USA** Made in the USA with U.S. and imported parts.

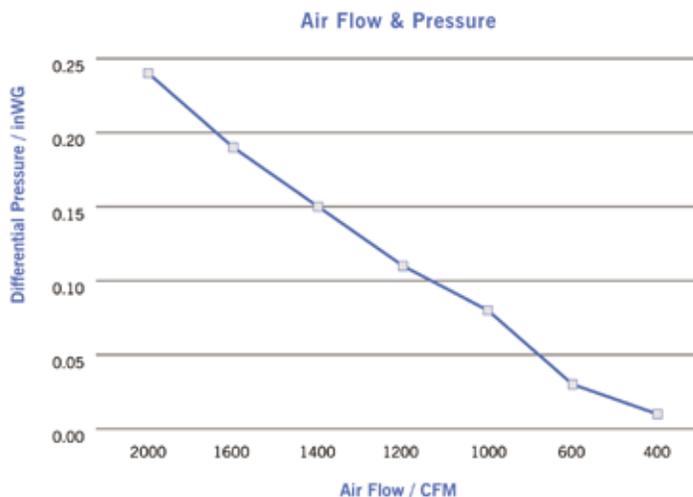
ITEM	P/N	SIZE / DESCRIPTION	PRICE
 HomeAire Super V Whole House Air Purifier	28525	27" x 24" x 14"	
 HomeAire Super V Replacement Filter	28526	With up to 3 years of filter life (50% cycle duty), the Super V's filter status light will remind you when to replace the patented DFS filter.	



All items shipped from MA.

## PRESSURE DROP (Lower pressure drop = More energy savings)

AIR FLOW RATE	DIFFERENTIAL PRESSURE
2000cfm	0.24 inWG
1600cfm	0.19 inWG
1400cfm	0.15 inWG
1200cfm	0.11 inWG
1000cfm	0.08 inWG
600cfm	0.03 inWG
400cfm	0.01 inWG



## EFFICIENCY

Removing PM 5.0	100%
Removing PM 2.5	99.99%
Removing PM 0.5	99.87%
Removing PM 0.3	99.61%

## Super V Whole-House Air Purification System with Patented DFS Technology

Designed for everyone, but particularly asthma and allergy sufferers, households with small children, elderly and people with challenged immune systems susceptible to airborne infections. Built for both whole house and commercial space applications.

### Healthy homes start here.

In a recent survey, 70% of home-buyers ranked a home's "health" as equally or more important than aesthetics, longevity and cost. That's why every home needs a Super V Whole-House Air Purifier. Installed at the home's point of entry, before the air enters the heating and cooling system, the Super V uses patented DFS filtration technology to circulate fresh, contaminant-free, air throughout the entire home.



# HEPA FILTRATION

## WHY USE HEPA?

"HEPA Filters are the most efficient mechanical filters for removing small particles which can be breathed deep into the lungs..."

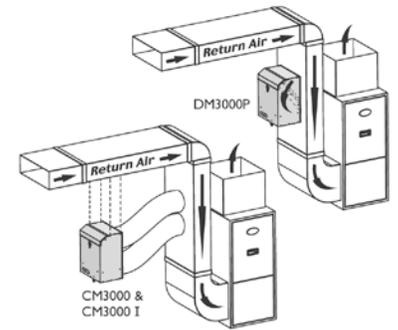
- American Lung Association

## FEATURES

- Collects 99.97%\* of airborne particles and allergens (\*Down to 0.3 microns)
- True HEPA filtration for the entire home
- Installs horizontally or vertically

## INSTALLATION

These Fantech units easily install horizontally or vertically on the return air side duct of the furnace or air handler. Air is directed through the bypass HEPA, which allows the heating/cooling system to easily deliver clean, fresh, healthy air throughout the entire home. They can also be used as independent systems mounted in the attic, crawl space, or closet.



DM 3000P  
28199



- ← Pre-Filter
- ← Carbon Filter
- ← HEPA Filter

ITEM	P/N	DESCRIPTION	DIMENSIONS	CFM	PRICE
DM 3000P	28199	Duct-mounted HEPA unit easily attaches to HVAC plenum; includes pressure switch. Turns on/off with air handler.	21" x 14" x 17"	240	
CM 3000	28197	Collar-mounted HEPA kit includes 2 pieces of 8" flex, 4 collars and hanging chains.	21" x 14" x 17"	240	
CM 3000I	28198	Insulated collar-mounted HEPA with hanging chains.	21" x 14" x 17"	240	
RHF16	28201	Replacement HEPA filter	-	-	
RPFH1315	28202	Replacement filter combo pack for HEPA system (1 pre-filter and 1 carbon filter)	-	-	

All items above are drop ship only. Call for details.

# DUCT BOOST FANS



6" Duct Boost Fan  
28532



## 4", 6", 8" DUCT BOOST FANS

HomeAire™ Duct Boost Fans are designed to give a heating and cooling system the lift necessary to push conditioned air into existing or newly expanded living or working areas as well as any other areas where it is needed. They improve system efficiency and provide better energy efficiency.

## PRICING

MODEL	P/N	PRICE
4" Duct Boost Fan	28531	
6" Duct Boost Fan	28532	
8" Duct Boost Fan	28533	

## FEATURES

- Thermally protected motor
- Long-lasting galvanized steel housing
- Durable plastic fan blades
- 4" maximum 70cfm, 6" maximum 135cfm, 8" maximum 210cfm
- ETL (U.S. and Canada) / CE Listed
- Pre-wired with a 65" long 3-prong power cord and junction box permanently attached to the fan at the point where the motor wires exit the metal duct pipe

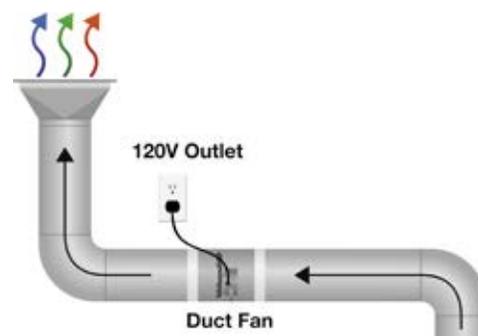


HomeAire™ duct boost fans are covered by our 1-year, hassle-free warranty.

## SPECIFICATIONS



MODEL	D	H
4" Duct Boost Fan	7 1/4"	4"
6" Duct Boost Fan	7 1/4"	6"
8" Duct Boost Fan	7 1/4"	8"



FEATURES	IDF-4	IDF-6	IDF-8
Description	4" Duct Boost Fan	6" Duct Boost Fan	8" Duct Boost Fan
Housing	Galvanized Steel	Galvanized Steel	Galvanized Steel
Power	120v Single Phase	120v Single Phase	120v Single Phase
Maximum CFM	70	135	210
Operating Range	40°F (4°C) - 140°F (60°C)	40°F (4°C) - 140°F (60°C)	40°F (4°C) - 140°F (60°C)
Safety Certifications	ETL (US & CA) / CE	ETL (US & CA) / CE	ETL (US & CA) / CE
Motor Protection	Thermal	Thermal	Thermal
Sound (db)	<40	<40	<40

# SPRUCE™ RV SERIES - PLASTIC HOUSING

## SUITABLE FOR

- Bathroom Ventilation
- Duct Boosting
- Living Area
- Garage Ventilation



MODEL	P/N	DUCT	WATTS	TYPICAL CFM vs. STATIC PRESSURE							PRICE
				0"	0.2"	0.5"	0.75"	1.0"	1.25"	1.5"	
RV100	28040	4"	35-44	113	100	71	46	18	-	-	
RV125	28042	4"	48-68	115	110	98	87	72	57	43	
RV150	28041	4"	48-66	141	130	110	105	90	43	18	
RV200	28049	6"	49-66	187	170	144	121	87	47	1	

Fans include mounting bracket.



# SPRUCE™ RB SERIES - PLASTIC HOUSING



Model	A	B	C
RB110	4"	9.7"	8.5"
RB275	6"	13.4"	9"
RB300	6"	13.4"	9"
RB350	6"	13.4"	9"
RB400	8"	13.4"	10.5"
RB500	10"	13.4"	10.5"

## SUITABLE FOR

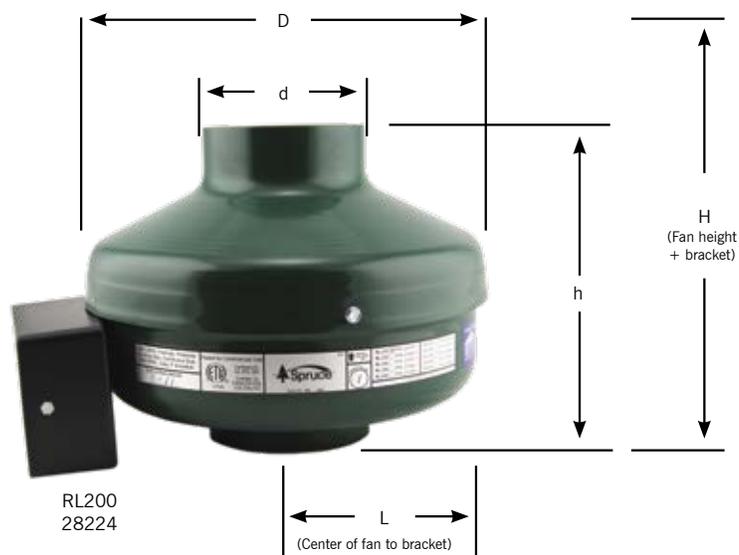
- Bathroom Ventilation
- Duct Boosting
- Living Area
- Garage Ventilation

MODEL	P/N	DUCT	WATTS	TYPICAL CFM vs. STATIC PRESSURE							PRICE
				0"	0.2"	0.5"	0.75"	1.0"	1.25"	1.5"	
RB110*	28128	4"	14-20	121	100	68	20	-	-	-	
RB190	28578	4"	46-62	158	148	140	135	109	53	53	
RB275	28115	6"	47-65	251	210	157	117	70	26	-	
RB300	28088	6"	66-87	318	270	211	170	135	87	30	
RB350	28261	6"	91-129	334	299	247	210	176	142	116	
RB400	28206	8"	96-138	531	491	415	340	268	200	139	
RB500	28207	10"	99-152	542	500	420	344	275	219	165	

\* Energy Star Most Efficient  
Fans include mounting bracket.



# SPRUCE™ RL SERIES - METAL HOUSING



## SUITABLE FOR

- Kitchen Ventilation
- Duct Boosting
- Living Area
- Garage Ventilation

Model	H	h	L	D	d
RL200	8.8"	7.4"	4.9"	9.5"	3.9"
RL300	9.4"	7.5"	6.9"	13.5"	5.9"
RL350	9.4"	7.5"	6.9"	13.5"	5.9"
RL450	10.5"	9.1"	6.9"	13.5"	7.9"
RL500	10.5"	9.1"	6.9"	13.5"	9.9"
RL600	N/A	10.0"	8.0"	15.9"	12.4"

MODEL	P/N	DUCT	WATTS	TYPICAL CFM vs. STATIC PRESSURE							PRICE
				0"	0.2"	0.5"	0.75"	1.0"	1.25"	1.5"	
RL200	28224	4"	42-62	163	150	123	101	76	54	28	
RL300	28225	6"	53-79	268	240	194	156	117	74	34	
RL350	28226	6"	59-89	300	280	238	201	164	127	89	
RL450	28227	8"	92-152	507	460	371	298	241	193	144	
RL500	28228	10"	97-153	545	500	419	349	275	222	170	
RL600	28126	12"	158-215	670	610	511	419	332	266	210	

Fans include mounting bracket.



## ABOUT SPRUCE VENTILATION



Spruce™ ventilation fans are manufactured by **Spruce Environmental Technologies, Inc.**, an Energy Star® Partner. Spruce is the parent company of **RadonAway®**, which introduced the first inline fan designed and manufactured specifically for radon mitigation; **AccuStar® Labs**, which manufactures and analyzes radon test devices in certified laboratories in Massachusetts and Pennsylvania; and **Air Chek**, the North Carolina-based laboratory that manufactures one of the most widely-used radon test kits in the world. **Spruce** distributes products from our Ward Hill, MA facilities which house our corporate offices, production, and main warehousing and shipping operations. We maintain additional customer service, warehouse and/or shipping centers in Pennsylvania, Indiana, Colorado, and North Carolina. **Spruce**, in conjunction with **RadonAway** and **AccuStar**, offers a growing selection of highly regarded certification and continuing education training courses for radon professionals (p. 95).

# SPRUCE™ DRYER BOOST KITS



Spruce SDB110P Kit  
28131



Spruce SDB110C Kit  
28259

Kits include inline fan, switch, and mounting bracket.

- Interior mount
- Lightweight, durable construction
- Rated for continuous operation
- RB110 fan is Energy Star® Rated.



SWITCH TYPE	KIT	P/N	KIT CONTENTS	CFM		PRICE
				@ 0" WC	@ 0.2" WC	
	SDB110P	28131	<ul style="list-style-type: none"> <li>• RB110 fan</li> <li>• Mounting bracket</li> <li>• Air pressure-sensing switch</li> <li>• Probe</li> <li>• Vinyl tubing</li> </ul>	121	100	
	SDB110C	28259	<ul style="list-style-type: none"> <li>• RB110 fan</li> <li>• Mounting bracket</li> <li>• A/C current-sensing switch</li> </ul>	121	100	
	SDB190P	28575	<ul style="list-style-type: none"> <li>• RB190 fan</li> <li>• Mounting bracket</li> <li>• Air pressure-sensing switch</li> <li>• Probe</li> <li>• Vinyl tubing</li> </ul>	158	148	
	SDB190C	28576	<ul style="list-style-type: none"> <li>• RB190 fan</li> <li>• Mounting bracket</li> <li>• A/C current-sensing switch</li> </ul>	158	148	
	SDB190T	28577	<ul style="list-style-type: none"> <li>• RB190 fan</li> <li>• Mounting bracket</li> <li>• Air pressure-sensing switch</li> <li>• Probe</li> <li>• Vinyl tubing</li> <li>• Timer with time-delay option</li> </ul>	158	148	
SWITCH TYPE		P/N	CONTENTS	PRICE		
Pressure sensing switch with timer		28263	Dryer boost pressure sensing switch w/ timer & 3' Tubing (fan not included)			
Pressure sensing switch		28098	Dryer boost pressure sensing switch (fan not included)			
Current sensing switch		28258	Dryer boost AC current sensing switch (fan not included)			

MODEL	P/N	DUCT	WATTS	TYPICAL CFM VS. STATIC PRESSURE						
				0"	0.2"	0.5"	0.75"	1"	1.25"	1.5"
SDB110P	28131	4"	14-20	121	100	68	20	-	-	-
SDB110C	28259	4"	14-20	121	100	68	20	-	-	-
SDB190P	28575	4"	46-62	158	148	140	135	109	53	33
SDB190C	28576	4"	46-62	158	148	140	135	109	53	33
SDB190T	28577	4"	46-62	158	148	140	135	109	53	33

# SPRUCE™ FAN APPLICATIONS

FAN	BATHROOM	KITCHEN	GARAGE	DRYER BOOST	DUCT BOOST	MAKE-UP AIR
SDB110P				✓		
SDB110C				✓		
SDB190P				✓		
SDB190C				✓		
SDB190T				✓		
RB110	✓		✓	✓		✓
RB190				✓		
RB275	✓		✓			✓
RB300	✓					✓
RB350	✓					✓
RB400	✓					✓
RB500	✓					✓
RV100	✓		✓			✓
RV125	✓		✓			✓
RV150	✓					✓
RV200	✓					✓
RL200		✓	✓			✓
RL300		✓	✓			✓
RL350		✓				✓
RL450		✓				✓
RL500		✓				✓
RL600		✓				✓
IDF-4					✓	
IDF-6					✓	
IDF-8					✓	



# TRAINING & BUSINESS TOOLS

# TRAINING COURSE REGISTRATION

## THE SPRUCE TRAINING ADVANTAGE:

We have provided professional radon training to more than 20,000 students.

Spruce has been a leader in the indoor air quality industry for more than three decades, and our commitment to quality and excellence reaches beyond the manufacture and distribution of products. In response to industry needs, we offer a growing catalog of highly regarded training courses developed by us specifically for professionals in radon and radon-related industries. These courses prepare professionals for entry-level and advanced radon certification and provide continuing education credits. Courses are added regularly, so check our online Course Catalog for updates.

Taking our radon training courses is easier than ever! You can make your course selection and complete your registration on our website. And you can take many of our CE courses right there on our website.

- Go to the online Course Catalog at [spruce.com/radon-training](http://spruce.com/radon-training) to choose your course(s) and register.
- Contact us at **800-355-0901** or [training@spruce.com](mailto:training@spruce.com) for assistance.



## CERTIFICATION AND CONTINUING EDUCATION CREDITS

### CERTIFICATION AND ADVANCED CERTIFICATE COURSES

Entry-level and advanced certificate courses are available on a scheduled basis and by request for groups as Live Webinars. They also are offered periodically and by request in Classroom Locations. Watch for email updates and check the Live Training Schedule and Course Catalog on our training website ([spruce.com/radon-training](http://spruce.com/radon-training)), or email [training@spruce.com](mailto:training@spruce.com) for updates.



### CONTINUING EDUCATION CLASSES

CE classes are scheduled in Classroom Locations or via Live Webinars as needed and when requested. Many of our CE courses are available as self-guided, online classes that you can register for and take anytime, at your convenience. The catalog of online courses is continually updated and includes practical measurement, mitigation, and business tips. To register for an online CE course at \$25.00 per credit hour or less, go to the Course Catalog on [spruce.com/radon-training](http://spruce.com/radon-training) to make your selection.



# COURSES & FEES

*"Thanks so much for a great class. Matt [Spruce Senior Training Specialist Matt Hendrick] did a terrific job and has given me the tools I needed to get my business moving in the right direction."*

*"No different than a classroom with the added benefit of standing next to the instructor at the chalkboard."*

TYPE	COURSE	DESCRIPTION <sup>1</sup>	CE CREDITS	PRICE <sup>2</sup>
CLASSROOM	<b>On Location</b> Residential Radon Measurement	Certification Prerequisite <sup>3,4</sup> (accepted in all states)	16	
	<b>LIVE Webinar!</b> <sup>3</sup> Residential Radon Measurement		16	
	<b>On Location</b> Radon Mitigation		24	
	<b>LIVE Webinar!</b> <sup>4</sup> Radon Mitigation		24	
	Radon In Water	Measurement and mitigation of waterborne radon (accepted in all states)	8	
	Advanced Courses	Multifamily Measurement, RRNC, and more	4-8	
	Additional Courses (by request)	Descriptions online or inquire	4-8	
ONLINE	CE Courses <sup>5</sup>	Choose from a catalog of more than 30 courses (1 to 4 hours NRPP Category I)	credits vary <sup>1</sup>	
	QA-QC for Radon Measurement	Write or improve a QA-QC document	12	
	Marketing the Radon Message	Marketing techniques to increase business	4	

<sup>1</sup>See <https://spruce.com/radon-training> for full descriptions, including CE credits.

<sup>2</sup>Discounts available, please inquire.

<sup>3</sup>Live Measurement Webinar approved in all states requiring state approval.

<sup>4</sup>Live Mitigation Webinar is approved in all states

<sup>5</sup>Some older video courses are available for free viewing on radonaway.com (not for CE credit without registration).

# FLYERS & HANDOUTS



02013



02036



02035



02047

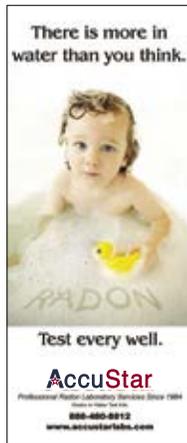


20234

ITEM	P/N	QTY/ PKG	UNIT PRICE			
			< 50	50-950	1000-2950	3000+
EPA: A Citizen's Guide to Radon <sup>1</sup>	02007	50				
EPA: Home Buyer's & Seller's Guide to Radon <sup>1</sup>	02006	50				
SF180 Flyer <sup>2</sup>	02022	50				
GP Pro Series Flyer <sup>2</sup>	02045	50				
XP/XR Pro Series Flyer <sup>2</sup>	02046	50				
RP Pro Series Flyer <sup>2</sup>	02047	50				
GX Pro Series Flyer <sup>2</sup>	02085	50				
HS 2750 Flyer	02091	50				
HS 5500 Flyer	02092	50				
Mitigation System Installation Flyer <sup>2</sup>	02013	50				
Active Soil Depressurization (ASD) Flyer <sup>2</sup>	02036	50				
Radon Information Brochure <sup>3</sup>	02035	50				
Radon Is Real Brochure <sup>3</sup>	02034	25				

<sup>1</sup>Order in multiples of 50  
<sup>2</sup>Quantities limited to 50 per order. For larger quantities call our Marketing Department.  
<sup>3</sup>Call Marketing Department to order

## DISPLAY BANNERS



## DETAILS

Borrow one of our ready-to-use display banners for home shows, health fairs, and other promotional events. Our exhibit-quality banners are mounted in a sturdy retractable stand. Quantities are limited, so please contact us in advance. Banners available include:

- Airborne Radon Testing
- Waterborne Radon Testing
- Radon Fans
- Radon Is Real Infographic

Please email [marketing@spruce.com](mailto:marketing@spruce.com) for details or to ask about customized displays.

# ANSI/AARST CCAH 2020 RRNC STANDARD

ANSI/AARST CCAH 2020 Reducing Radon in New Construction of 1 & 2 family Dwellings and Townhouses is intended for new construction only. Its purpose is to further radon risk reduction in the U.S. by providing minimum requirements to achieve indoor radon concentrations of less than 4 pCi/L [148 Bq/m<sup>3</sup>] in new homes. The standard specifies certain requirements for an ASD radon mitigation system, including fan sizing. The RRNC Radon Fan Types chart at right reproduces the specifications in the standard's Chart 901.2, Fan Sizing. The RadonAway fans listed in the chart below all meet CCAH 2020 specifications.

To view or purchase the standard go to <https://standards.aarst.org>

## RRNC RADON FAN TYPES

PIPE SIZE Nominal (I.D.)	TOTAL FOUNDATION AREA		
	Less than 1600 sq. feet	1600 to 2500 sq. feet	2500 to 4500 sq. feet
	Less than 149 sq. meters	149 to 232 sq. meters	232 to 418 sq. meters
(3 inch) [7.6 cm]	Use Radon Fan Type: <b>RF1</b> RF1 Minimum rating:* 50 cfm @ 0.5" WC [85m <sup>3</sup> /hr @ 125 Pa]	Use Radon Fan Type: <b>RF2</b> RF2 Minimum rating:* 75 cfm @ 1.0" WC [127m <sup>3</sup> /hr @ 250 Pa]	N/A
(4 inch) [10 cm]	Use Radon Fan Type: <b>RF1</b> RF1 Minimum rating:* 50 cfm @ 0.5" WC [85m <sup>3</sup> /hr @ 125 Pa]	Use Radon Fan Type: <b>RF2</b> RF2 Minimum rating:* 75 cfm @ 1.0" WC [127m <sup>3</sup> /hr @ 250 Pa]	Radon fan to be sized by a certified/licensed radon mitigator

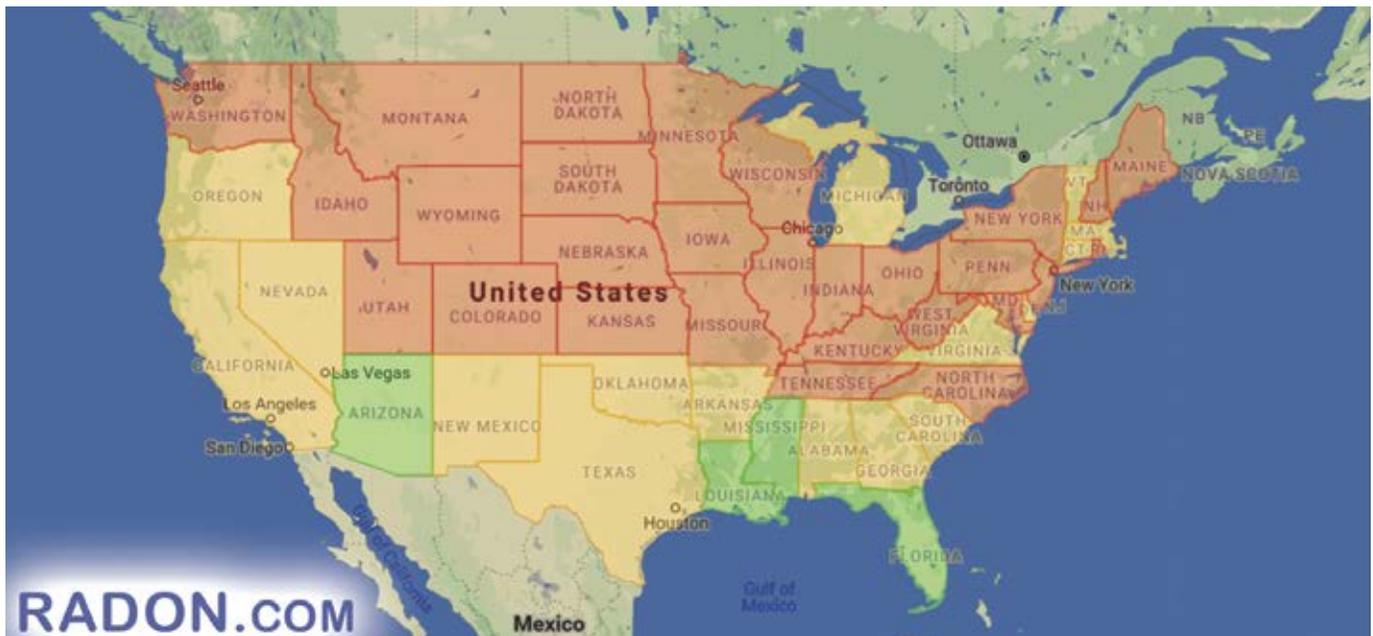
## RADONAWAY FANS SUITABLE AS DESIGNATED BY RRNC STANDARD

MODEL	FAN DUCT DIAMETER	WATTS	RECOM. MAX. OP. PRESSURE "WC	TYPICAL CFM vs. STATIC PRESSURE WC				RRNC 2.0 Radon Fan Type
				0"	0.5"	1.0"	1.5"	
RP140	4"	15-21	0.7	135	70	-	-	RF1
RP145	4"	41-72	1.7	166	126	82	41	RF1, RF2
XP151	4"	53-70	1.4	167	127	77	-	RF1, RF2
XP201	4"	38-74	1.6	126	98	60	26	RF1
GX5	4"	77-133	5.0"	174	161	150	136	RF1, RF2
LV175	4"	35-75	1.9	187	162	132	97	RF1, RF2

## RADON.COM

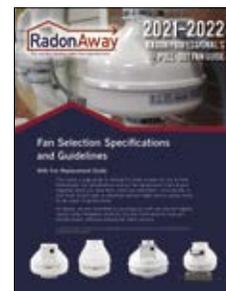
### INTERACTIVE RADON MAP

Visit [radon.com/maps](http://radon.com/maps) to view the average radon levels by county for each state in the U.S.A.



## PULL-OUT FAN GUIDE

Check out the center of this catalog for our Pull-Out Guide. You can have RadonAway® fan specifications and our fan replacement chart at your fingertips—on a job site, in your truck, at your desk, or anywhere else you might want to quickly check for fan specs or replacements. (Center Fold )



## ONLINE TOOLS

 **RadonAway YouTube Channel:** RadonAway is the world's leading radon fan manufacturer, dedicated to creating healthier indoor environments. For nearly three decades, we have been committed to creating products and offering services of the highest quality to meet the needs of radon professionals. Our channel houses a video library stocked with instructional materials for professionals looking to familiarize themselves with our products and company.

[radonaway.com/videos](https://radonaway.com/videos)

 **Fan Cost Calculator:** RadonAway® radon fans cost only pennies a day to operate. Estimate system energy use at [radonaway.com/calculator](https://radonaway.com/calculator)

 **Flexible Coupling Chart:** Coupling sizes are for selection only; actual sizes may vary fractionally. See Flexible Coupling Sizing Chart on p. 22 or at [radonaway.com/coupling](https://radonaway.com/coupling)

## RADON IS REAL INFOGRAPHIC

In January 2015, for Radon Action Month, we introduced a website to educate the public about radon and its health risks, and to emphasize the need for testing and mitigation. The website is based on a radon infographic we commissioned for this purpose.

What is an infographic? It's a visual image that can help you simplify a complicated subject or turn an otherwise technical subject into a captivating experience. "A good infographic is worth a thousand words." Radon Is Real brochures are available in this catalog on page 97. Like the Radon Informational Video, the Radon Is Real Infographic is available for download by our customers.

[RadonIsReal.org](https://RadonIsReal.org)



# RADON STANDARDS

AANSI/AARST National Radon Standards are the result of thousands of hours contributed by over 150 consensus body members and staff of the AARST Consortium on National Radon Standards. These Standards are tools that are as important to the success of your radon business as the testing and mitigation products in this catalog. To purchase these Radon Standards, go to [standards.aarst.org](http://standards.aarst.org)

The AARST Standards Consortium consensus process includes balanced stakeholder representation from diverse vantage points ranging from field professionals to regulatory agencies and is accredited by the American National Standards Institute (ANSI). For submissions, suggestions or inquiries, email [StandardsAssist@gmail.com](mailto:StandardsAssist@gmail.com).

## CURRENTLY AVAILABLE STANDARDS

### SINGLE FAMILY

#### **ANSI/AARST MAH-2019**

##### **Protocol for Conducting Measurements of Radon and Radon Decay Products in Homes**

Specifies minimum requirements and general guidance for measuring radon concentrations in single-family residences.

#### **ANSI/AARST Standard SGM-SF-2017 (with 12/2020 Revisions)**

##### **Soil Gas Mitigation Standards For Existing Homes**

The only American National Standard on radon mitigation for single family homes, this Standard also addresses mitigation of chemical vapor intrusion and virtually all non-ASD mitigation methods.

### MULTIFAMILY

#### **ANSI/AARST Standard MAMF-2017**

##### **Protocol For Conducting Measurements of Radon and Radon Decay Products in Multifamily Buildings**

#### **ANSI/AARST Standard RMS-MF-2018 (with 12/2020 Revisions)**

##### **Radon Mitigation Standards For Multifamily Buildings**

Addresses the complexities of properly mitigating multifamily dwellings that contain more than four units.

### NEW CONSTRUCTION

#### **ANSI/AARST RRNC-2020**

##### **Rough-in Of Radon Control Components In New Construction Of 1 & 2 Family Dwellings And Townhouses**

Provides minimum requirements for the rough-in of radon control system components in new dwelling units under construction and is harmonized with ANSI/AARST CCAH (see below).

#### **ANSI/AARST CCAH-2020**

##### **Reducing Radon In New Construction Of One & Two Family Dwellings And Townhouses**

Includes system rough-in (ANSI/AARST RRNC 2020 above); also includes minimum requirements for verifying if radon concentrations are below the national action level and, if required, activation of radon control systems.

#### **ANSI/AARST Standard CC-1000-2018**

##### **Soil Gas Control Systems In New Construction of Buildings**

Addresses RRNC construction for virtually every building that is larger than a one- and two-family dwelling.

### SCHOOLS & LARGE BUILDINGS

#### **ANSI/AARST Standard MALB-2014**

##### **Protocol for Conducting Measurements of Radon and Radon Decay Products in Schools and Large Buildings**

Addresses the complexities of properly measuring radon in large and complicated building structures.

#### **ANSI/AARST Standard RMS-LB-2018 (with 12/2020 Revisions)**

##### **Radon Mitigation Standards for Schools and Large Buildings**

Designed to address the complexities of properly mitigating radon in large and complicated building structures.

### RADON IN WATER

#### **ANSI/AARST MW-RN-2020**

##### **Protocol for the Collection, Transfer and Measurement of Radon in Water**

### QUALITY ASSURANCE

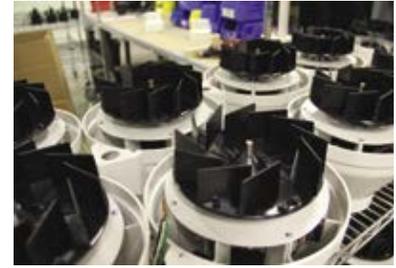
#### **ANSI/AARST Standard MS-PC-2015**

##### **Performance Specifications For Instrumentation Systems Designed To Measure Radon Gas In Air**

Specifies minimum performance criteria and testing procedures for instruments designed to quantify the concentration of radon-222 gas in air.

## The Best Radon Fan Motors from the Best Manufacturers

At RadonAway, we know that different homes require different fans, and different fans require different motor specifications. We consistently bring you the #1 fans in the radon industry in part through our partnerships with the world's top motor manufacturers. Every motor we source is created to the exacting specifications of our Engineering team in Ward Hill, MA, where American workers proudly build all of our fans.



### 4 Partners - 4 Countries

In the engineering world, one size does not fit all! We have four sources for our motors, which come to us from Germany, France, England, and China. For each and every motor we search as long as it takes to find the correct manufacturer to provide the best motor for each specific fan, regardless of where in the world they are located. Until the time comes when we can partner with an American motor company, we are proud to work with all of our partners in bringing you radon fans produced to the highest standards at every stage of manufacturing.

### AccuStar Canada / Rn222 Inc.

For Canadian distribution of our AccuStar test devices, radon monitors and GM1-2 diagnostic device, AccuStar Canada partners with Rn222 inc, a Canadian company based in Quebec, with offices in Toronto and Edmonton.

### Canada Representatives/Distributors

#### ONTOR Limited

To improve product availability and delivery time to the Canadian radon industry, we have partnered with Ontor Limited, a Toronto-based company with representatives throughout Canada. Ontor prides itself on superior customer support and service.

### U.K. and Europe Distributors

#### PropertECO

Our UK and Europe partner since 2015, PropertECO is recognized as one of the UK's leading experts in the field of radon gas testing and radon mitigation. With over 25 years of technical knowledge and practical experience of lowering radon concentrations in homes and workplaces, PropertECO is an award-winning service and distribution company at the forefront of the UK radon industry.

#### Niton SRL

Our Italian partner is Niton SRL, headquartered in Lainate, Milan, Italy. Niton proudly displays the NRPP logo and the statement, "Niton is the first and only company in Italy to employ professionals certified by the National Radon Proficiency Program (NRPP) of the United States for its Radon surveys."

### Lab Report Integration and Management Services

#### Inspection Support Network (ISN)

ISN offers a wide variety of home inspection tools designed to automate workflow, and manage customer and agent relationships. ISN home inspection software includes more than 50 features.

# INDUSTRY PARTNERSHIPS

At RadonAway®, we're not just the manufacturers and distributors of the leading products in the radon industry. We value our relationships with radon professionals, organizations, and companies, working together with them to advance the industry and provide a healthier indoor environment. Below are a few of the organizations we partner with and support.

## RADON ORGANIZATIONS (U.S.)



## RADON ORGANIZATIONS (INTERNATIONAL)



## RELATED INDUSTRY ORGANIZATIONS



## CERTIFYING AND RATINGS ORGANIZATIONS



# OUR EXTENDED SERVICE

Our service doesn't end when we take your order. Whether you have ordered online or by phone, through a sales rep, a customer service rep or another staff member, your needs are our priority. An array of well-trained professionals whose only job is to manage your business needs are prepared to assist you. They are inputting the order, forwarding it to our warehouse staff, pulling the items from the shelves, preparing them for shipping, and then putting them on the UPS truck. We take care of you every step of the way, and even after the sale, with technical support.

## Where do we do all of this?

We have 6 locations where some or all of our services are provided:

- **Ward Hill, Massachusetts**

Ward Hill is home to our main headquarters and is just a few miles from where our company was founded over 30 years ago. This is where our business, sales, customer service, design and engineering, IT, radon training, manufacturing, AccuStar Massachusetts laboratory, and major warehousing and shipping operations reside.

- **Carmel, Indiana**

Carmel is the location of our second largest warehouse and business operations, where sales, customer service and shipping staff are poised and ready to assist our customers, primarily those in the Midwest.

- **Denver, Colorado**

Our Denver office houses a small, but knowledgeable, staff with sales, service, warehousing and shipping capabilities. They're pleased to have customers call or stop in to discuss their business needs. From time to time, our Denver location hosts radon training courses for our customers in Colorado and nearby states.

- **Mills River, North Carolina**

The Air Chek laboratory manufactures, ships and analyzes radon test kits from the North Carolina facility.

- **Harrisburg, Pennsylvania**

The new Pennsylvania AccuStar facility not only handles laboratory services; it also provides expanded warehousing and shipping services for some of our RadonAway products. The staff there responds quickly and efficiently to your shipping needs.

- **Toronto, Ontario, Canada**

For the convenience of our Canadian customers, we maintain a shipping facility where frequently purchased items are stocked and ready to ship..



# CONDITIONS OF SALE

All sales prepaid unless credit is pre-approved. Credit terms are net 15 days. RadonAway® reserves the right to revoke credit at any time. Past due balances are subject to a 1.5% per month late charge.

Shipping and handling charges are additional. Drop-ship orders to locations other than RadonAway® customers' business location(s) are subject to an additional \$15 handling charge.

All prices and conditions are subject to change without notice.

All returns for credit must be made within 30 days of purchase. Prior to any return, you must call RadonAway® for an RMA number. Non-warranty returns must be in resaleable condition in original packaging. There will be a 20% restocking charge for return of non-defective merchandise. Shipping and handling charges are not refundable on returns.

**Send returns to: RadonAway®, 3 Saber Way, Ward Hill, Massachusetts 01835.**

With respect to goods manufactured and sold by Seller, such goods sold hereunder are warranted to be free from defects in material and workmanship. Seller will repair or replace, without charge, any goods proven defective. With respect to goods distributed by Seller, but not manufactured by Seller, the Seller will accept returns on all such goods for a period of thirty (30) days from the date of sale. Thereafter, all such goods must be returned to the manufacturer of the goods by the buyer, under the specific terms of the manufacturer's warranty unless the manufacturer has designated the Seller as an agent of the manufacturer for warranty purposes.

**EXCEPT AS STATED ABOVE, THE GOODS ARE PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE SELLER'S AGGREGATE LIABILITY SHALL NOT IN ANY EVENT EXCEED THE AMOUNT OF THE PURCHASE PRICE OF SAID GOODS. THE SOLE AND EXCLUSIVE REMEDY UNDER THE SELLER WARRANTY SHALL BE THE REPAIR OR REPLACEMENT OF THE GOODS, TO THE EXTENT THE SAME DOES NOT MEET WITH SELLER'S WARRANTY AS PROVIDED ABOVE.**



RadonAway® radon fans, AIRRaider™, AccuStar®, Air Chek and CLEARADON® products, and Spruce™ fans are made in USA with US and imported parts.

The flag symbol confirms our commitment to providing the best products at a reasonable cost.

## Business Hours:

### Customer Service / Order Processing

Monday through Friday:  
8:00 AM to 6:00 PM ET

Closed weekends and the following holidays in 2021:  
Memorial Day (May 31), Independence Day (July 5),  
Labor Day (Sept. 6), Thanksgiving (Nov. 25 & 26), Christmas (Dec. 24)

### After business hours, on weekends and holidays:

Order online or by fax. Your order will be processed the next business day.

### Shop online 24/7 at radonaway.com.

Orders will be processed the next business day.

## Orders:

### Phone / Fax:

978-521-3703 / 800-767-3703 • Fax: 978-521-3964

All phones are answered 8:00 AM to 6:00 PM ET.

### Same Day Shipping:

Most orders processed by 4PM ET\* and shipping from MA, PA, IN  
Most orders processed by 6PM ET (4PM MT)\* and shipping from CO

### 1-Day and 2-Day Delivery to Most of the US

### Shipped from\*\*:

MA • PA • CO • IN

(See shipping locations, p. 103.)



VISA, MasterCard, American Express and Discover Accepted

\*Non-stocked products and large orders will require additional time before shipping.

\*\*Shipping location might impact delivery time.  
Call for specific details.

SALES TAX NOTE: RadonAway is required to collect sales tax in the following states: AL, CA, CO, CT, FL, GA, IA, IL, IN, KS, KY, MA, MD, ME, MI, MN, MO, NC, NE, NJ, NY, OH, PA, RI, SC, SD, TN, VA, VT, WI, WV and Canada.

This catalog has been reviewed for content and accuracy. RadonAway is not responsible for errors and/or omissions that might occur inadvertently during the production and printing process.

Dear Friends,

During the past year, we all have experienced many challenges to the way we live and do business. We are grateful that we have been able to adapt and continue to serve the radon industry throughout this uncertain time. If we were to make a list of all we are grateful for, at the top of our list would be you, our valued customers, friends, and partners.

In the many months since the words 'coronavirus,' 'pandemic,' and 'COVID' became part of our vocabulary, you and your colleagues have forged ahead despite health and safety concerns, shortages, and business disruptions. We're proud of the courage and resilience with which you have faced an unprecedented crisis and are emerging stronger than ever.

Thank you for your support, patience, and loyalty throughout 2020 and into the current year. We value our relationship with you and look forward to continuing to support you and your business by providing top quality products, service, technical advice, and training.

Best regards,

A handwritten signature in black ink that reads "Dave Hill". The signature is fluid and cursive, with a large, sweeping "D" and "H".

Executive Vice President

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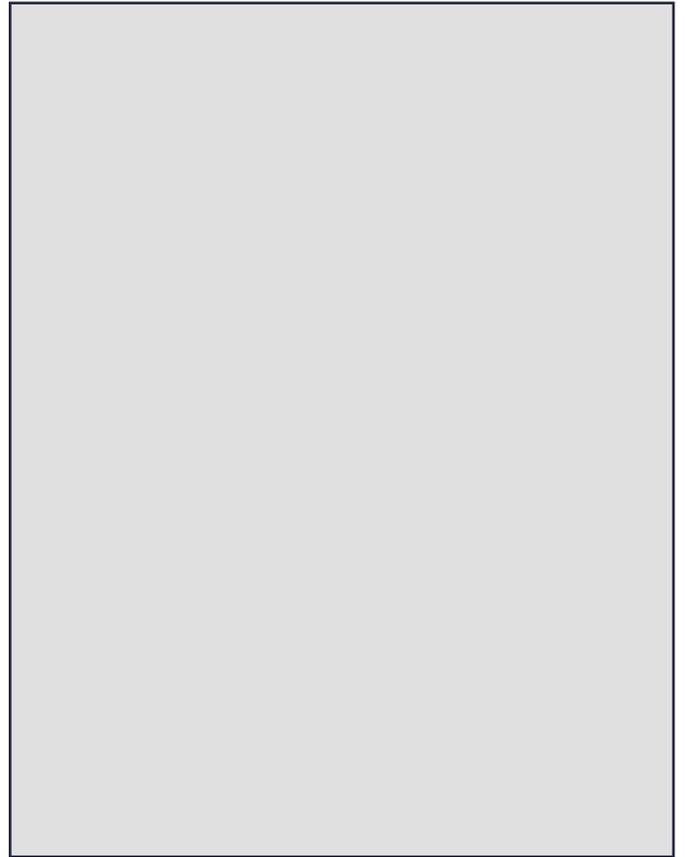
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