



Visit us at:  
[www.WholesaleRadon.com](http://www.WholesaleRadon.com)

Or give us a call at:  
1.800.453.2570

For a custom quote



Supplies At Wholesale Prices

1.800.453.2570  
[www.WholesaleRadon.com](http://www.WholesaleRadon.com)



At Wholesale Radon

Distributors, we pride ourselves on providing top of the line radon mitigation products at wholesale prices. Radon poses a major health risk and we want to make sure we are providing our customers with the best mitigation products with industry leading warranties. Wholesale Radon is a premiere distributor of Fantech's full line of radon mitigation products. Fantech is a globally recognized leader in ventilation products and they are known for producing radon mitigation fans with unmatched quality and durability. Wholesale Radon is proud to be one of the first distributors to offer the new Rn series of Fantech radon fans! The Rn series offers the radon professional a simple lineup of fans that can handle the full spectrum of conditions found in the field.

Wholesale Radon is an exclusive distributor of the PressureTech brand of radon/vapor fans. PressureTech is the first fan manufacturer to use DC motor technology to build radon fans capable of extremely high suction while using less electricity than conventional fans. The radon industry is changing, and PressureTech is on the forefront of the cutting-edge technology that will bring the industry to the next level. Wholesale Radon is proud to be involved with these game-changing innovations!

Here at Wholesale Radon, customer service is at the top of our priority list! Knowing the importance of keeping the radon contractor stocked with the supplies they need, we strive to always provide same-day response time without any delays in deploying shipments. We offer FREE same-day shipping on eligible orders. With distribution centers throughout the country, we can minimize transit times anywhere in the U.S.

At Wholesale Radon, we want to earn your business and we guarantee we will beat any supplier's pricing, while providing the level of service that you expect and deserve! Wholesale Radon is your one-stop shop for all your radon mitigation needs. So, don't delay; call Wholesale Radon today for a custom quote, and see for yourself how saving money on all your radon mitigation supplies has never been easier!



Fantech® RN Series Fans ..... 4

Fantech RN1..... 5

Fantech RN2..... 5

Fantech RN3..... 5

Fantech RN4..... 5

Fantech RN2,3,4 Pre-Wired Configurations..... 6

PressureTech™ High Suction Fans

PressureTech PT2, 3, 4 Pre-Wired, Fully Plug-and-Play Configurations..... 7

PressureTech PT10 Pre-Wired Low Voltage EXTREME Suction Fan..... 8

PressureTech PT6 Pre-Wired Low Voltage EXTREME Performance Fan..... 9

PressureTech PT8, 16, 25 Ultimate Suction Fans..... 10,11

Accessories

Couplings, Gauges, Vapor Drains & Adaptor Discs..... 12

Tamper Proof Outlet, Speed Controller, Roof Flashing, Fire Collars, Kozy Kollars, Connection Cables & Cord Kits..... 13

Compare Systems and Compliance Information ..... 14-22

Additional Information

Fan performance charts and fan replacement guide..... 23





# RN Series



# Fantech fans

## Rn1 & Rn2

The Rn Series features a fully sealed plastic housing. The housing is joined via a vibration welding process, which produces a fused, single piece housing. The fused seam is inherently air tight, very strong and permanent. An air-tight fan ensures that efficiency is not lost and contaminants are not spilled due to leakage.

The fan can be mounted both indoor, outdoor and in wet locations. These fans feature external rotor motors that have proven dependable year after year. A large electrical wiring enclosure is designed into the fan housing, making electrical installation easier. Thermal overload protected with automatic reset is also included.

Original Fan	Replacement Fan
AMG Spirit, Fantech FR100, Fantech HP2133, RA RP140	Fantech Rn1
AMG Hawk, AMG Maverick, Fantech F150, Fantech F175, Fantech HP175, Fantech HP190, Fantech HP2190/2190Q, Fantech R150, Fantech R175, RA GP201, RA RP145, RA RP260, RA XP151, RA XP201, RA XR261	Fantech Rn2
AMG Patriot, Fantech HP190SLQ, RA SF180	Fantech Rn2SL

## Rn3

The Rn3 features a fully sealed plastic housing. The housing is joined via a vibration welding process, which produces a fused, single piece housing. The fused seam is inherently air tight, very strong and permanent. An air-tight fan ensures that efficiency is not lost and contaminants are not spilled due to leakage.

The fan can be mounted both indoor, outdoor and in wet locations. These fans feature external rotor motors that have proven dependable year after year. A large electrical wiring enclosure is designed into the fan housing, making electrical installation easier. Thermal overload protected with automatic reset is also included.

Original Fan	Replacement Fan
AMG Legend, AMG Prowler, Fantech F160, Fantech FR150, Fantech FR160, Fantech HP220, Fantech R160, RA GP301 RA RP265, RA RP380	Fantech Rn3

## Rn4

As the most powerful model in Fantech's family of radon mitigation fans, the Rn4EC can create 4.3" of suction while moving 20 cfm, as well as, move 490 cfm when operating at only 0.5" of suction.

The Rn4EC features an electronically commutated (EC) motor. Inherently efficient and operationally stable at full and reduced speeds, the EC motor arms the radon professional with installation methods not previously practical. Located in the wiring box, an integral speed control potentiometer can be used to "dial in" the fan speed necessary to achieve either the required sub-slab depressurization or required system air flow rate.

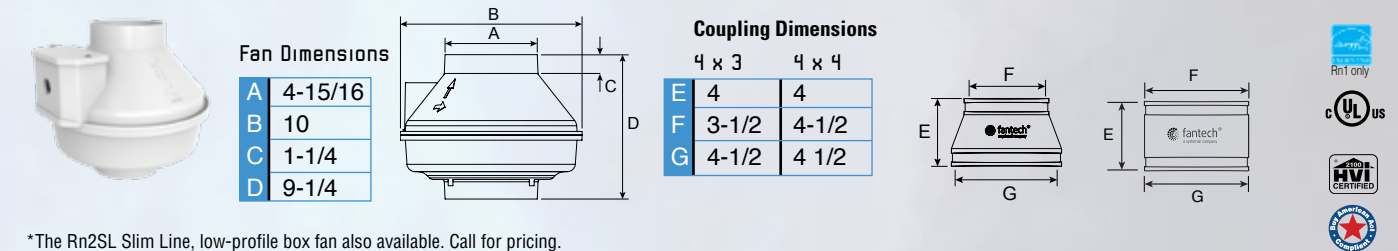
Original Fan	Replacement Fan
AMG Eagle, AMG Fury, AMG Prowler, Fantech FR200 Fantech FR225, Fantech FR250, Fantech RF/200 Fantech RF/225, Fantech RF/250, RA GP301, RA GP401 RA GP501	Fantech Rn4

## Invention to Innovation

From introducing the first in-line radon fan to the US in 1983 to developing the first radon-specific vibration-reducing coupling in 2015, Fantech's history is marked with iconic industry firsts. For more than 40 years, Fantech been committed to providing high quality products that not only save lives, but make yours just a little bit easier. Now, we are proud to share Fantech's simplified line of radon-specific fan systems and present new products that aim to innovate and improve the installation process.

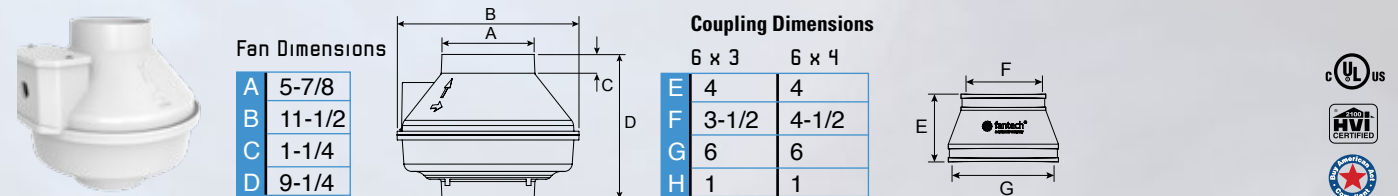
## Rn1 & Rn2 Usage

The Rn1 is the most energy-efficient fan in the Rn lineup, while the Rn2 is the standard for radon mitigation. Ideally tailored performance curve for a vast majority of your mitigations. An excellent choice for systems with elevated radon levels, poor communication, multiple suction points and/or large sub slab footprint. This fan can be mounted both indoor, outdoor and in wet locations.



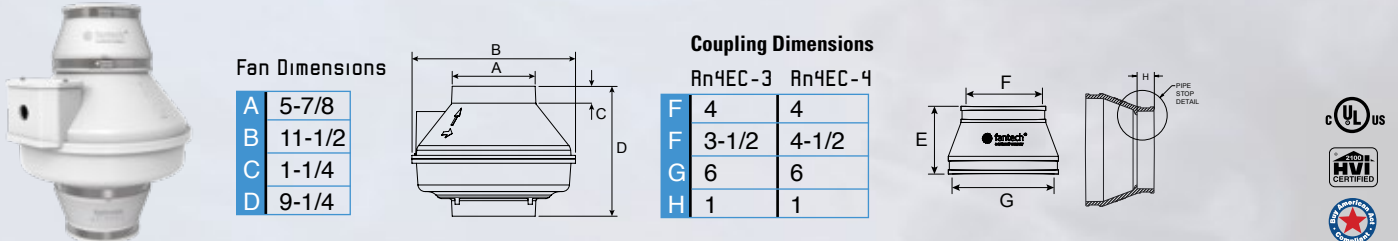
## Rn3 Usage

The Rn3 model is an excellent choice for systems with elevated radon levels, poor communication, multiple suction points and/or large sub slab footprint.



## Rn4 Usage

Our new Rn4EC radon fan is specifically designed for mitigation systems requiring high suction air performance, with the built-in flexibility to provide greater air flow rates at lower suction pressures as well.



## LDVI Couplings Included

Included with every Rn4EC is a pair of Fantech's new LDVI (Low Durometer Vibration Isolating) couplings - available in 6x3 or 6x4. Designed specifically for radon mitigation applications, LDVI couplings are molded with a more flexible, more easily installed, low durometer material as compared to standard plumbing couplings.

## Rn Series Performance

Fan Model	Alternate Name	Pressure Category	Max. Pressure (in w.c.)	Max. Air Flow (CFM)	Rated Power (Watts)	Single Price	8 Pack Price
Rn1	HP2133	Low	1.0	134	20	\$101	\$95
Rn2	HP2190/2190Q	Med	2.0	163	59	\$106	\$99
Rn3	HP220	Med-HIGH	2.5	344	141	\$139	\$134
Rn4	Rn4EC	HIGH	4.4	500	172	\$295	\$279



All Fantech Rn Series Fans Include a 5-Year Hassle-Free Warranty



# RN Series Pre-Wired Fans



## Pre-Wired Configurations



### *NEW* Pre-Wired *Most Popular!* RN2 System

Never hire an electrician to wire your radon fans again! This pre-wired Rn2 radon fan system includes a fully-connected electrical box with disconnect switch and pre-wired conduit to comply with National Radon Standards. The electrical box has a built-in raceway (rigid tube) for the wiring to pass from outside to inside and comply with all electrical codes. The indoor portion of the system has a 6-foot cord with plug to power the system without any wiring needed.

4-Inch Duct	220CFM Airflow	2.0" Suction	\$149
-------------	----------------	--------------	-------



### *NEW* Pre-Wired *High Air Flow!* RN3 System

Never hire an electrician to wire your radon fans again! This pre-wired Rn3 radon system includes a fully-connected electrical box with disconnect switch and pre-wired conduit to comply with National Radon Standards. The electrical box has a built-in raceway (rigid tube) for the wiring to pass from outside to inside and comply with all electrical codes. The indoor portion of the system has a 6-foot cord with plug to power the system without any wiring needed.

6-Inch Duct	377CFM Airflow	2.5" Suction	\$179
-------------	----------------	--------------	-------



### *NEW* Pre-Wired *High Air Flow and Suction!* RN4 System

Never hire an electrician to wire your radon fans again! This pre-wired Rn4 radon system includes a fully-connected electrical box with disconnect switch and pre-wired conduit to comply with National Radon Standards. The electrical box has a built-in raceway (rigid tube) for the wiring to pass from outside to inside and comply with all electrical codes. The indoor portion of the system has a 6-foot cord with plug to power the system without any wiring needed.

6-Inch Duct	549CFM Airflow	4.5" Suction	\$349
-------------	----------------	--------------	-------

# Pre-Wired Low Voltage Systems



## Fully Plug-and-Play Configurations

PressureTech introduces their full line of low voltage radon fans with fully plug and play wiring configurations. Simply drill a 1" diameter hole next to the radon pipe and mount the Transition Box. This pre-wired electrical box has an integrated disconnect switch and conduit on the outdoor portion to comply with AARST Radon Standards. The indoor portion has a quick connect plug system that facilitates fast, easy connection to the low voltage power supply. The power supply can be mounted in a remote indoor location (near electrical outlet) using the appropriate length Connection Cable (**available in various lengths on page 13.**)

### *NEW* PT2 *Most Popular!*

The PressureTech PT2 is one of the first low voltage radon fans with a fully plug and play wiring configuration. Simply drill a 1" diameter hole next to the radon pipe and fan and mount the Transition Box. This pre-wired electrical box has an integrated disconnect switch and conduit on the outdoor portion to comply with AARST Radon Standards. The indoor portion has a quick connect plug system that facilitates fast, easy connection to the low voltage power supply.

4-Inch Duct	225CFM Airflow	2.2" Suction	\$195
-------------	----------------	--------------	-------



### *NEW* PT3 *High Airflow!*

The PT3 is one of the first low voltage radon fans with a fully plug and play wiring configuration. Simply drill a 1" diameter hole next to the radon pipe and fan and mount the Transition Box. This pre-wired electrical box has an integrated disconnect switch and conduit on the outdoor portion to comply with AARST Radon Standards. The indoor portion has a quick connect plug system that facilitates fast, easy connection to the low voltage power supply.

6-Inch Duct	350CFM Airflow	2.4" Suction	\$249
-------------	----------------	--------------	-------



### *NEW* PT4 *High Airflow and Suction!*

This is the ultimate low voltage radon fan that can handle the challenges of all soil types. When pressure is low (multiple suction points, sub-membrane systems, large porous sub-slab areas, etc.), this fan moves very high volumes of air. When the pressure is high (clay soil, compact sand, wet conditions, etc.), this fan is capable of very high suction. The high airflow and high suction capabilities outperform all other low voltage radon fans.

6-Inch Duct	400CFM Airflow	4.0" Suction	\$295
-------------	----------------	--------------	-------



NOTE: All PressureTech Low Voltage fans have a power supply with rated output of 100 watts or less to comply with National Electric Code (Article 725). Beware of any fan manufacturer offering "low voltage" systems with a power supply that exceeds 100 watts. NEC prohibits using a Class 2 wiring method (flexible cables with molded-on connectors) for circuits with a rated output over 100 watts, even if the voltage is "low" (NEC Article 720.4.)

# Pre-Wired Systems



# PT10 EXTREME Suction Fan



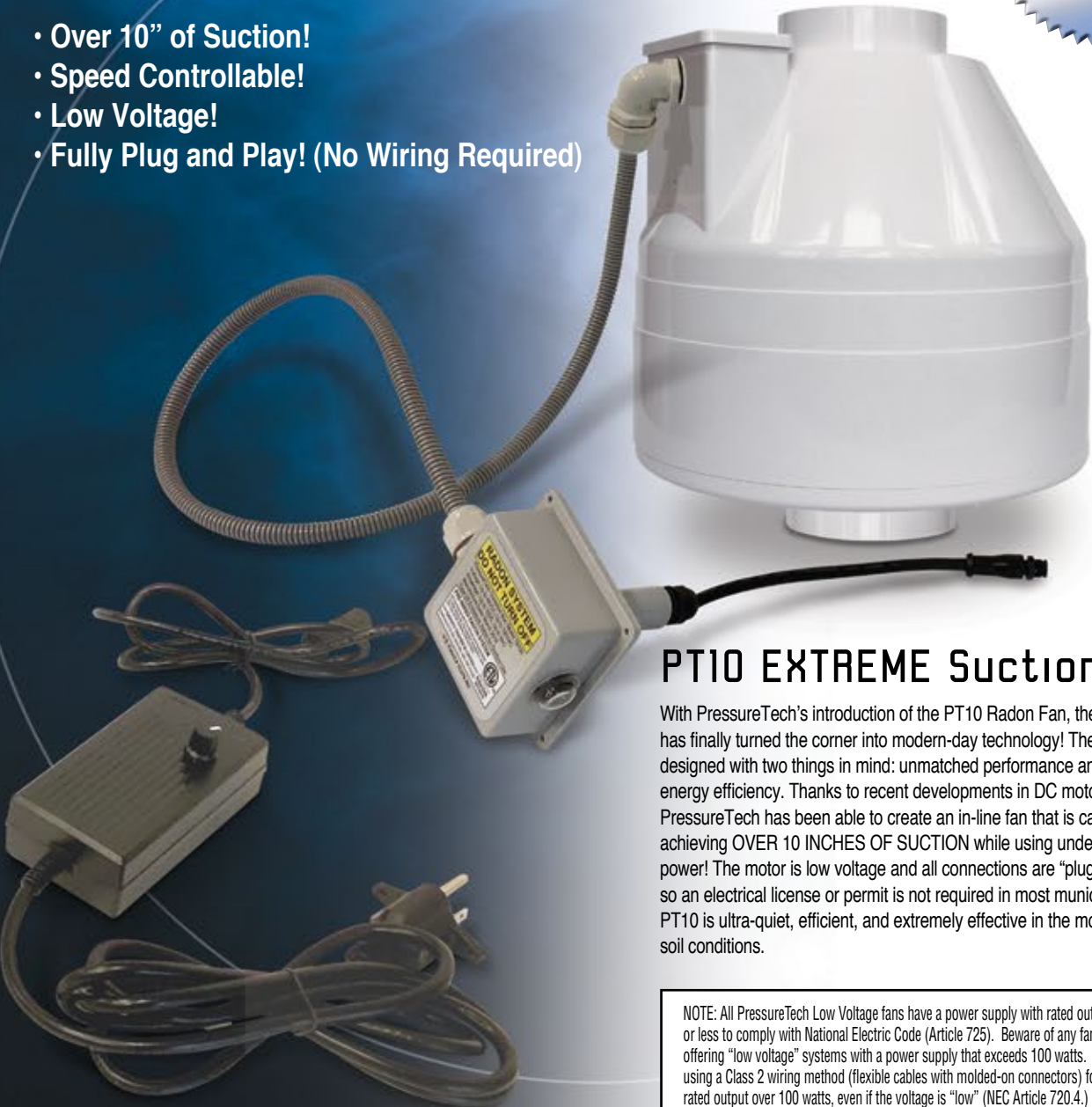
The all new PT10 radon fan is the most versatile radon fan ever developed. With suction capabilities over 10", this fan can be used for the most difficult of soil conditions. The low voltage power supply is speed controllable which gives you full system tuning capabilities to achieve optimal negative pressure below the slab. The fully "plug-and-play" configuration comes pre-wired to an outdoor-rated electrical box with disconnect switch and conduit to comply with AARST Radon Mitigation Standards.

## Pre-Wired Low Voltage Radon Fan



Fan Model	Volts	Watts	Maximum Pressure	1-4 Units	5-9 Units	10 + Units
PressureTech PT10	24V VDC	98	10.5" WC	\$395	\$349	\$295

- Over 10" of Suction!
- Speed Controllable!
- Low Voltage!
- Fully Plug and Play! (No Wiring Required)



## PT10 EXTREME Suction Fan

With PressureTech's introduction of the PT10 Radon Fan, the radon industry has finally turned the corner into modern-day technology! The PT10 was designed with two things in mind: unmatched performance and unmatched energy efficiency. Thanks to recent developments in DC motor technology, PressureTech has been able to create an in-line fan that is capable of achieving OVER 10 INCHES OF SUCTION while using under 100 watts of power! The motor is low voltage and all connections are "plug-and-play", so an electrical license or permit is not required in most municipalities. The PT10 is ultra-quiet, efficient, and extremely effective in the most challenging soil conditions.

NOTE: All PressureTech Low Voltage fans have a power supply with rated output of 100 watts or less to comply with National Electric Code (Article 725). Beware of any fan manufacturer offering "low voltage" systems with a power supply that exceeds 100 watts. NEC prohibits using a Class 2 wiring method (flexible cables with molded-on connectors) for circuits with a rated output over 100 watts, even if the voltage is "low" (NEC Article 720.4.)

# PT6 EXTREME Performance Fan

Pre-Wired Fans

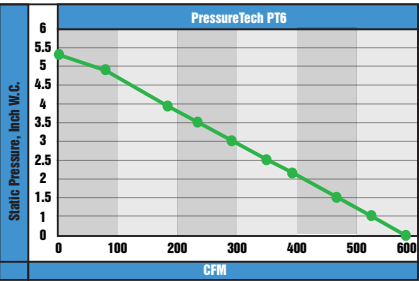
## PT6

PressureTech's PT6 outperforms most "Extreme Suction" and "Extreme Airflow" radon fans on the market. Recent advancements in DC motor technology allows this fan to achieve unmatched suction and airflow. With suction capabilities of nearly 5.5" and airflow capabilities of nearly 600CFM, this fan can be used for most residential or commercial projects. The fan curve is unmatched by any competitor and the fan speed can be controlled to achieve ideal airflow and suction for the project conditions.

## "ATTENTION PRESSURETECH... THE FUTURE CALLED, THEY WANT THEIR RADON FAN BACK"

Fully Plug And Play Version (No wiring required)						
Fan Model	Volts	Watts	Maximum Pressure	Maximum Airflow	1-4 Units	5+ Price
PressureTech PT6	29V (Includes 110V converter)	170	5.4"WC	598 CFM	\$349	\$325

Direct Wire Version (Wiring Required to Connect Power Supply to Fan)						
Fan Model	Volts	Watts	Maximum Pressure	Maximum Airflow	1-4 Units	5+ Price
PressureTech PT6	29V (Includes 110V converter)	170	5.4"WC	598 CFM	\$325	\$295





# RADON FAN ON STEROIDS



Wholesale Radon is an exclusive distributor of the PressureTech brand of radon/vapor fans. PressureTech is the first fan manufacturer to use DC motor technology to build a radon fan capable of extremely high suction while using less electricity than a conventional fan. The radon industry is changing, and PressureTech is on the forefront of the cutting-edge technology that will bring the industry to the next level. Wholesale Radon is proud to be involved with these game-changing innovations!



## PressureTech ULTIMATE Suction Fans

Ideal for Commercial and Industrial Radon Mitigation

### The PressureTech™ PT8: High Suction Meets High Efficiency

With PressureTech's introduction of the PT8 Radon Fan, the radon industry has finally turned the corner into modern-day technology! The PT8 was designed with two things in mind: unmatched performance and unmatched energy efficiency. Thanks to recent developments in DC motor technology, PressureTech has been able to create an in-line fan that is capable of achieving OVER 8 INCHES OF SUCTION while using only 60 watts of power! The motor is also low voltage, so wiring the fan doesn't require a licensed electrician or permit in most jurisdictions. The PT8 is ultra-quiet, efficient, and extremely effective at more than doubling the pressure field extension (PFE) you achieve below the slab, compared to the other "high suction" radon fans that are on the market.

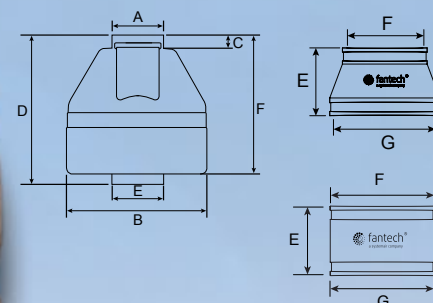
Fan Model	Volts	Watts	Maximum Pressure	Maximum Airflow	Single Price	5+ Price
PressureTech PT8	24V (includes 110V converter)	58-80	8.6" WC	50 CFM	\$395	\$349

#### Fan Dimensions

A	4-15/16
B	10-1/2
C	1-1/4
D	10-1/2
E	4-15/16
F	10-15/16

#### Coupling Dimensions

	4 x 3	4 x 4
E	4	4
F	3-1/2	4-1/2
G	4-1/2	4 1/2



### PressureTech™ EXTREME SUCTION SERIES

PressureTech has taken "high suction" to another level by introducing the PT16 and PT25 radon mitigation / vapor intrusion fans. With static pressure capabilities of 16 inches to 25 inches of water column, these compact in-line fans outperform loud, bulky box fans that are commonly used for commercial radon mitigation and vapor intrusion projects. The PT16 and PT25 have many advantages over other fans thanks to the revolutionary DC motor technology that PressureTech has introduced. Direct Current (DC) motors are capable of much higher speeds and run more efficiently than traditional fan motors. The result is higher suction, higher airflow, and lower electrical consumption. By using less electricity, these fans save your clients money in operating costs and will outlast traditional motors that tend to burn out much sooner due to excessive heat. Because of lower electrical consumption than Alternating Current (AC) motors, DC motors run at much lower temperatures which extends the running life up to 5 times longer.

Fan Model	Volts	Watts	Maximum Pressure	Maximum Airflow	Single Price	5+ Price
PressureTech PT16	36V (includes 110V converter)	110-170	17.4"WC	67 CFM	\$595	\$549
PressureTech PT25	48V (includes 110V converter)	255-298	25.2"WC	82CFM	\$795	\$749



# Couplings, Gauges & Accessories

## Accessories Couplings & Gauges

### Rubber Couplings

Our Universal Pipe Connectors allow you to connect any size pipe to your radon fan, quickly and easily. Their time saving, fully tested design gives you professional results in minutes using only a slotted screwdriver or a 5/16" nut driver or socket. Once installed, by tightening the stainless steel bands, you will have a leak-proof, vibration resistant connection that is impervious to extreme heat and UV resistant. These high-quality rubber couplings are sized properly to fit any standard radon fan system noise. Proper sizes to match any radon fan to either 3" or 4" PVC piping. Choose your sizes in either black or white versions.

Size	P/N	QTY Per Box	Single Price	Box Price	3 + Boxes
3 x 3 Black	PCX56-33B	60	\$5.20	\$4.70	\$4.20
4 x 3 Black	PCX56-43B	50	\$6.70	\$6.20	\$5.70
4 x 4 Black	PCX56-44B	50	\$6.20	\$5.70	\$5.20
6 x 3 Black	PCX56-63B	25	\$7.20	\$6.70	\$6.20
6 x 4 Black	PCX56-64B	25	\$7.20	\$6.70	\$6.20
3 x 3 White	PCX56-33W	60	\$7.20	\$6.70	\$6.20
4 x 3 White	PCX56-43W	50	\$9.70	\$9.20	\$8.70
4 x 4 White	PCX56-44W	50	\$8.20	\$7.70	\$7.20



Fantech LDVI Vibration Reducing Couplings Also Available in All Sizes. Call For Pricing.

### Pressure Gauges / Manometers

Wholesale Radon offers pressure gauges and manometers for every application, both residential and commercial. Whether you are using a "standard" radon fan that pulls 1" to 4" of pressure, or a high suction commercial radon fan that pulls 50" of pressure, we have a gauge that will work for you!

Gauge	Amount of Suction	Price
Standard-Size U-Tube Manometer	reads up to 4.5" of suction	1-9 \$6.49ea, 10+ \$5.95ea
Megahelic Gauge	reads up to 55" of suction	Price \$34.95ea



### Vapor Drain

Vapor Drain is a simple and easy to install method of creating an air-tight seal on floor drains while allowing water to freely flow into the drain as needed. The Vapor Drain device uses a mechanical brass valve to create an air tight seal when water is not flowing into the drain. This seal prevents gases (including radon) from rising up out of the drain, and also prevents conditioned air from being drawn into the drain from sub-slab suction of a radon mitigation system. Vapor Drain is ideal for installation in non-trapped floor drains to prevent odors, pests, and pollutants from entering the building. Vapor Drain can also be installed in floor drains that have water traps to prevent the trap from drying out. The basic Vapor Drain product will fit floor drains between 1-1/4" diameter and 2-1/2" diameter. For installations in floor drains up to 6-1/2" diameter, use the Easy Trim Adapter Disc to create the perfect fit for the drain.

Vapor Drain is ideal for installation in sump covers to provide water relief in the event of a basement flood (as required by AARST Radon Mitigation Standards, SGM-SF-2017, Sec. 8.5.2). Vapor Drain can also be installed in sump covers to allow condensation lines and other appliances to drain into the sump basin without compromising the sump seal. Simply drill a 2" diameter hole in the sump cover, apply a bead of silicone or urethane sealant around the hole, and slide Vapor Drain into the cover.

Vapor Drain	1-4 Price	5 + Price
	\$14.95	\$12.95

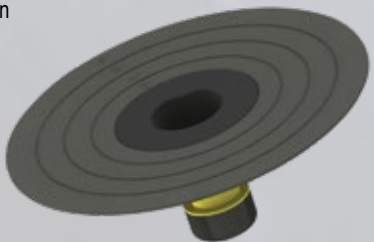
**Install One in Every Sump Cover to Comply with AARST Standard 8.5.2!**



### Vapor Drain Easy-Trim Adapter Disc

The Vapor Drain Easy Trim Adapter Disc is intended for use with a Vapor Drain device when covering a floor drain over 2-1/2" diameter. The Vapor Drain Adapter Disc can be used on floor drains up to 6-1/2" diameter. Simply remove the drain grate or cover, measure the outer diameter of the floor drain that you wish to seal, and cut the Adapter Disc to the appropriate size using any household scissors or utility knife. Then, install the Adapter Disc over the floor drain using appropriate sealant or caulk. Once the Adapter Disc is installed over the drain, apply a bead of sealant or caulk around the hole in the center of the Adapter Disc, and insert the Vapor Drain device through the hole. Once Vapor Drain and Adapter Disc are in place with appropriate sealant, reinstall the drain grate or cover.

Vapor Drain Adapter Disc	1-4 Price	5+ Price
	\$4.95	\$3.95



### Tamper-Proof Outlet Cover

\$9

Protect your plugs! This easy-to-install outlet cover protects the plug from tampering and warns occupants not to unplug the radon system. Kit includes 2 self-drilling screws which replace the existing screws on a 2-screw outlet or drill directly into the outlet cover of a 1-screw outlet. Pre-Labeled "Radon Fan – Do Not Unplug" to comply with AARST Radon Standards (sec. 9.4.5). \*For indoor use only.



### Speed Controller

\$19

Take full control of the performance and energy efficiency of your radon system. Dialing down the speed of a radon fan can improve energy efficiency and audibility when "full power" is not necessary to mitigate the home. 100% "Plug and Play" design is an ideal add-on for our pre-wired Fantech Rn2 and Rn3 fans! NOTE: Not for use with Rn4 or low voltage fans.



### Roof Flashing

3" Size Price	4" Size Price
1-9 \$6.25ea 10 or more \$6ea	1-9 \$6.25ea 10 or more \$6ea



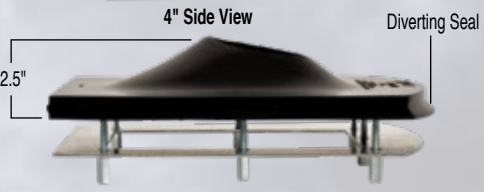
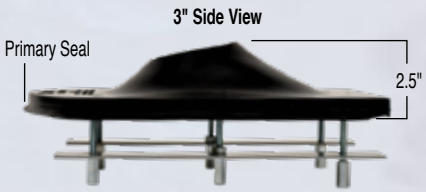
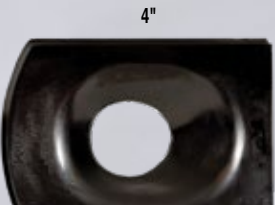
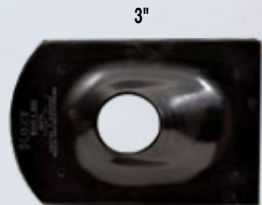
### Fire Collars

3" Size Price	4" Size Price
1-9 \$15.50ea 10 or more \$13.50ea	1-9 \$20.50ea 10 or more \$18.75ea



### Kozy Kollars

3" Size Price	4" Size Price
1-9 \$59.95ea 10 or more \$56.95ea	1-9 \$69.95ea 10 or more \$66.95ea



### Connection Cables

For use with PressureTech low voltage radon systems. Select appropriate length cable to connect radon fan to remotely-located power supply. Quick-connect cable system makes installation fast and easy.



3 foot	\$14
8 foot	\$25
15 foot	\$32
25 foot	\$39
40 foot	\$47

### Cord Kit

\$9

This 6-foot cord kit can be used to power a radon fan when mounted in an attic or garage when an outlet is within 6-feet of the fan location. The cord kit is rated for both indoor and outdoor applications. NOTE: To power an outdoor-mounted fan by an indoor outlet, consider using a system with pre-wired Transition Box. If outlet is located more than 6-feet from the fan, consider using a PressureTech low voltage system which allows the power supply to be remotely-located from system entry point.




WARNING: \*AARST Radon Standards (sec. 9.3.3) prohibits plugging an outdoor radon fan directly into an outdoor outlet. The only compliant method for a plug connection of an outdoor fan is to use the TB100 Transition Box (available on page 21) which utilizes a protected indoor receptacle to power the outdoor fan.





# ADVANTAGES




## PressureTech vs. Other Low Voltage Radon Fans

 **PressureTech** fans are the only low voltage fans on the market with **integrated outdoor disconnect switch and conduit**. Both are required to comply with AARST Radon Mitigation Standards (Section 9.3). All other low voltage radon fans currently on the market have outdoor plug connections, no switch, and exposed outdoor cords (no conduit) which are clear violations of AARST Standards (Section 9.3).

 **PressureTech** fans are the only low voltage fans on the market that can be mounted outdoors without a cord passing directly from the fan through the wall into the home. Running a cord directly through the wall is violation of the National Electric Code (Section 400.8) and ASTM Radon Mitigation Standards (Section 7.3.12.4). PressureTech's low voltage radon fans **include a pre-wired outdoor electrical box with disconnect switch**, specifically designed to meet all electrical codes and National Radon Mitigation Standards.

 **PressureTech** fans are the only low voltage radon fans **that include a speed control dial**. Most low voltage radon fans run at higher speeds than traditional (110 volt) radon fans. The higher speeds produce superior performance but can also result in excessive audibility. For homes that can be mitigated without extremely high airflow, the speed control dial puts the mitigator in control of the fan's audibility and energy efficiency.

 **PressureTech** low voltage radon fans include a hassle-free **5-YEAR WARRANTY**. Other popular low voltage radon fans only offer 1 to 3-year warranties. PressureTech's high quality DC motors outlast most traditional radon fans thanks to lower motor temperature and superior moisture protection.

## WARNING!

Most Low Voltage Radon Fans Violate Numerous Codes and Radon Mitigation Standards!

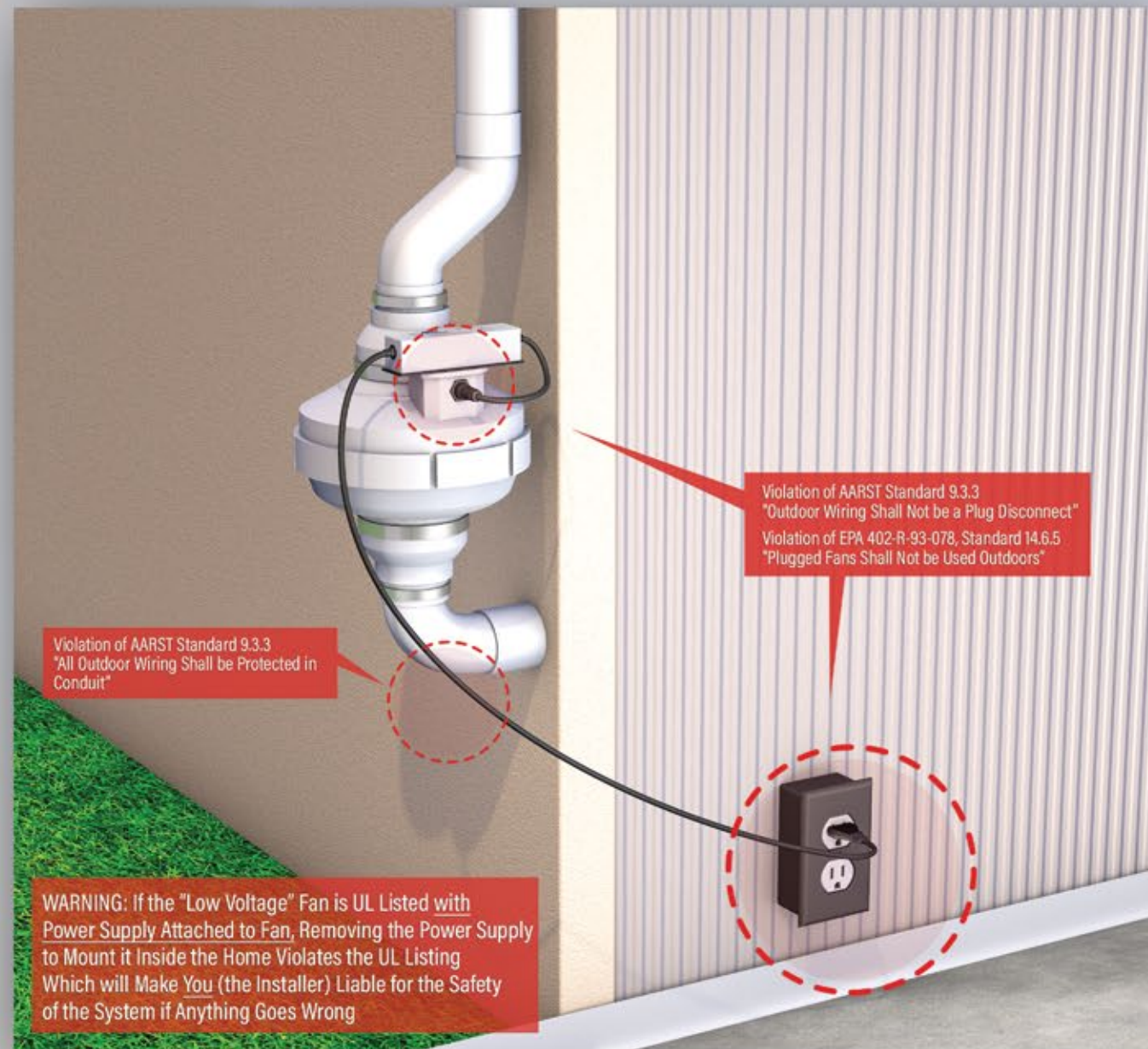


PressureTech  
**ADVANTAGES**



# Non-Compliant Configuration #1

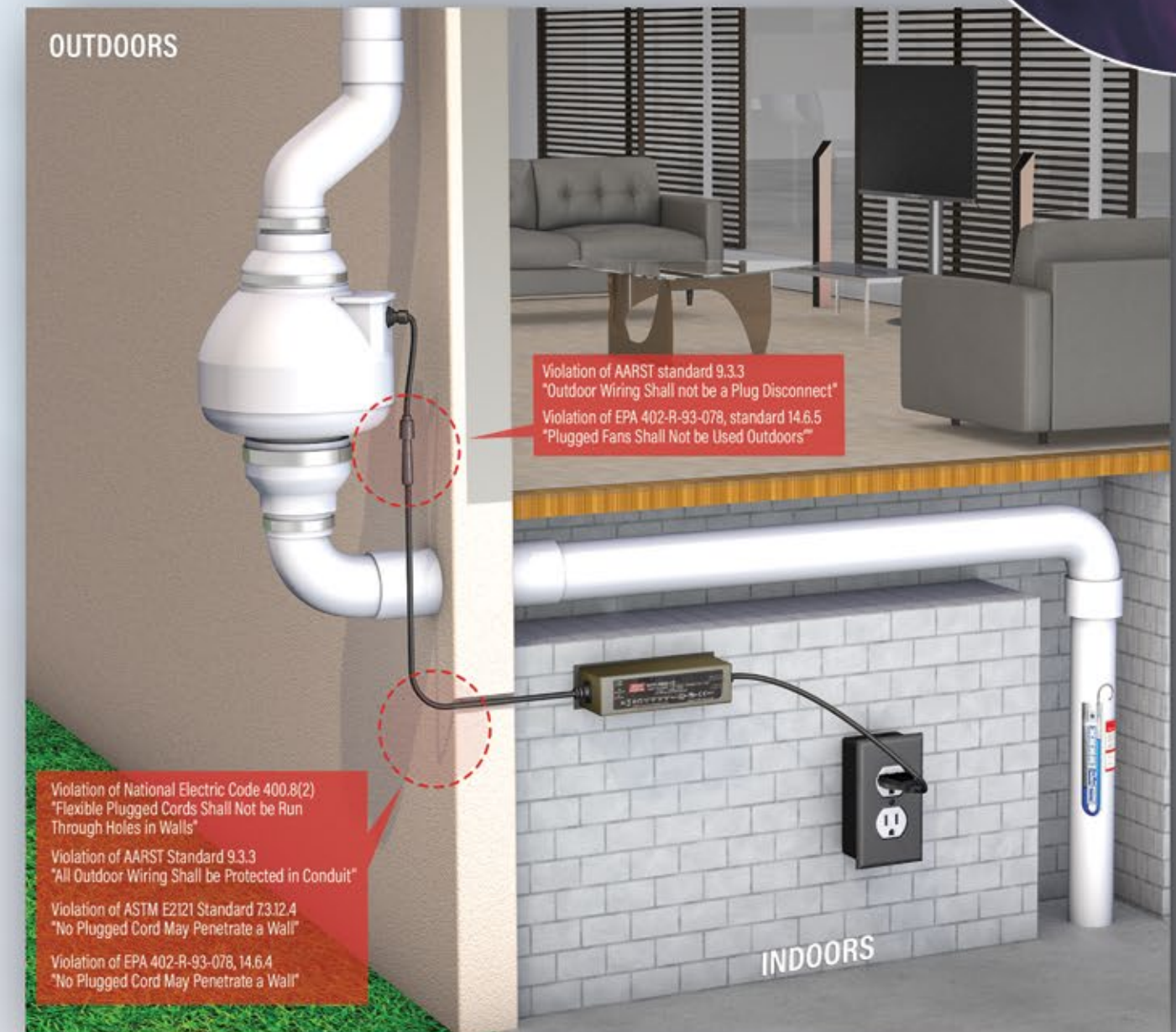
Outdoor Fan with Power Supply Mounted on Fan



The AARST Radon Mitigation Standards Prohibit an Outdoor Radon Fan Being Plugged Into an Outdoor Outlet.

# Non-Compliant Configuration #2

Outdoor Fan with Flexible Cord Passing Through Wall Connected to Indoor Power Supply



The AARST Radon Mitigation Standards Require All Outdoor Wiring to be Protected in Conduit and Prohibits Plugged Connections Outdoors.

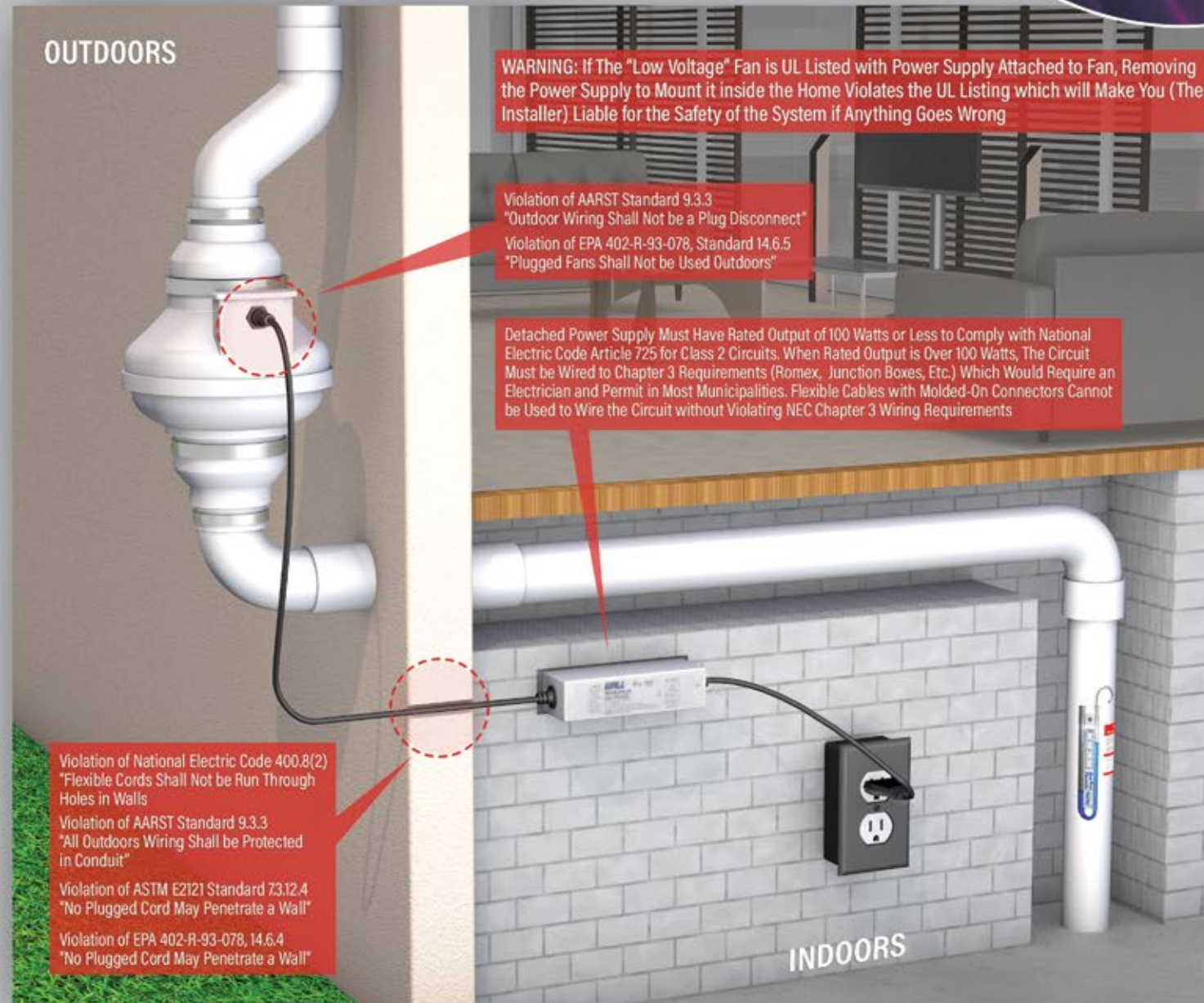
Warning  
Non-Compliant  
Configuration



# Non-Compliant Configuration # 3

Warning  
Non-Compliant  
Configuration

Power Supply Removed from Fan and Mounted Inside Home with Flexible Cord Passing Through Wall



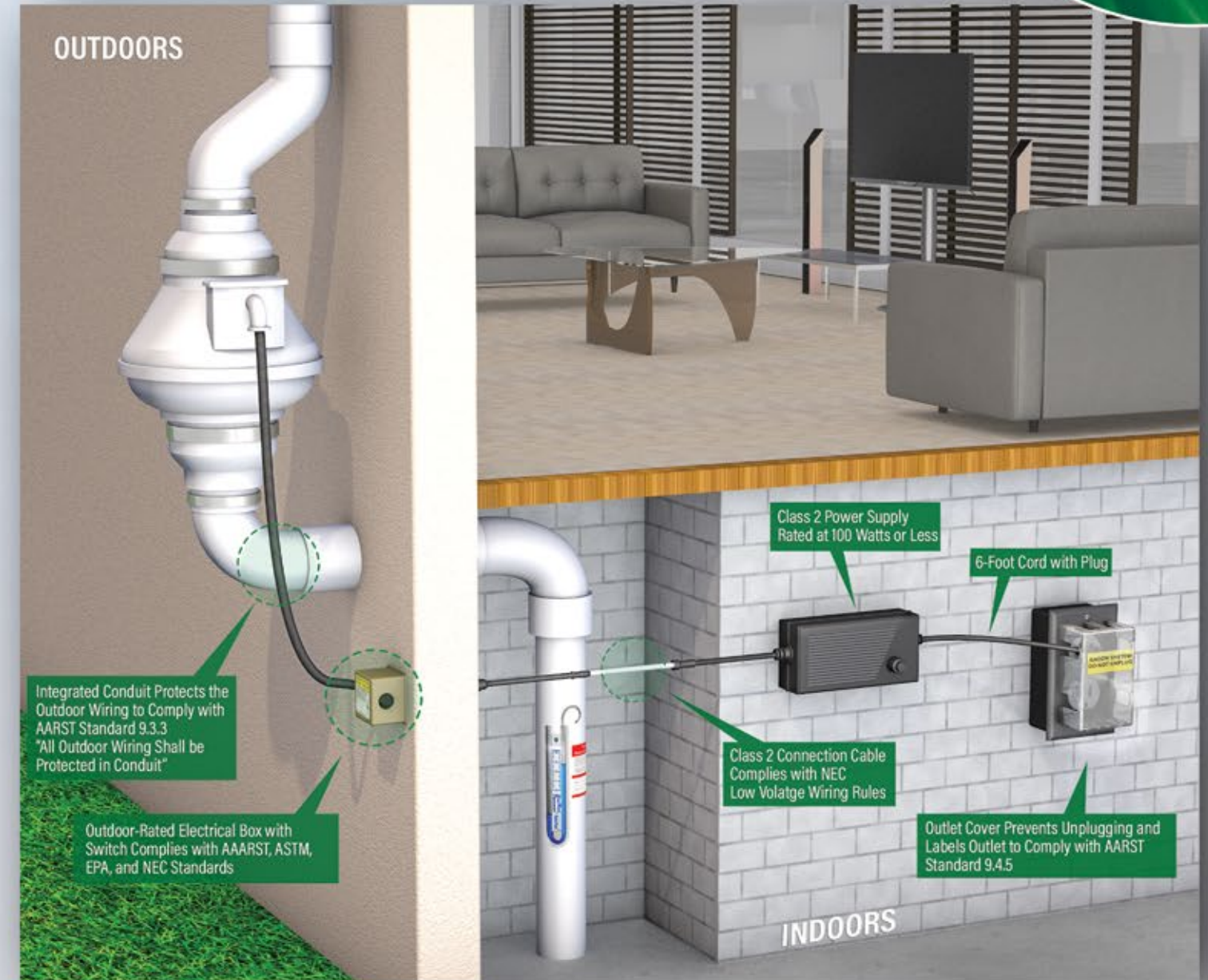
The National Electric Code Prohibits Flexible Cords from Passing Through a Wall. AARST Standards Require All Outdoor Wiring to be Protected in Conduit and Prohibits Outdoor Plugged Connections. The National Electric Code Prohibits Low Voltage Wiring Methods for any Power Supply with Output Over 100 Watts.

INTRODUCING



PressureTech  
Fully-Compliant  
Configuration

Fully-Compliant Low Voltage System!



PressureTech's Pre-Wired Low Voltage Systems were Designed to Comply with AARST, ASTM, EPA, NEC, and UL Requirements.



# Protect Yourself by Knowing the Codes

## Don't Get Busted for Cutting Corners!



### REFERENCES

"Flexible cords shall not be run through holes in walls."

- National Electric Code Sec. 400.8(2)
- American Society for Testing and Materials (ASTM) E2121 Sec. 7.3.12.4
- EPA Radon Mitigation Standards Sec. 16.6.4

"All Outdoor Wiring Shall be Protected in Conduit and Cannot be a Plug Disconnect."

- AARST Soil Gas Mitigation Standards Sec. 9.3.3
- EPA Radon Mitigation Standards Sec. 14.6.5
- ANSI Radon Mitigation Standards Sec. 9.3.3

"There are safety issues and other disadvantages to flexible plugged cords being installed outdoors. Because the protection of the wires in an outdoor plugged flexible cord radon fan installation may not equal that of a hard wired outdoor installation, the wiring might be subjected to greater risk of accidental damage."

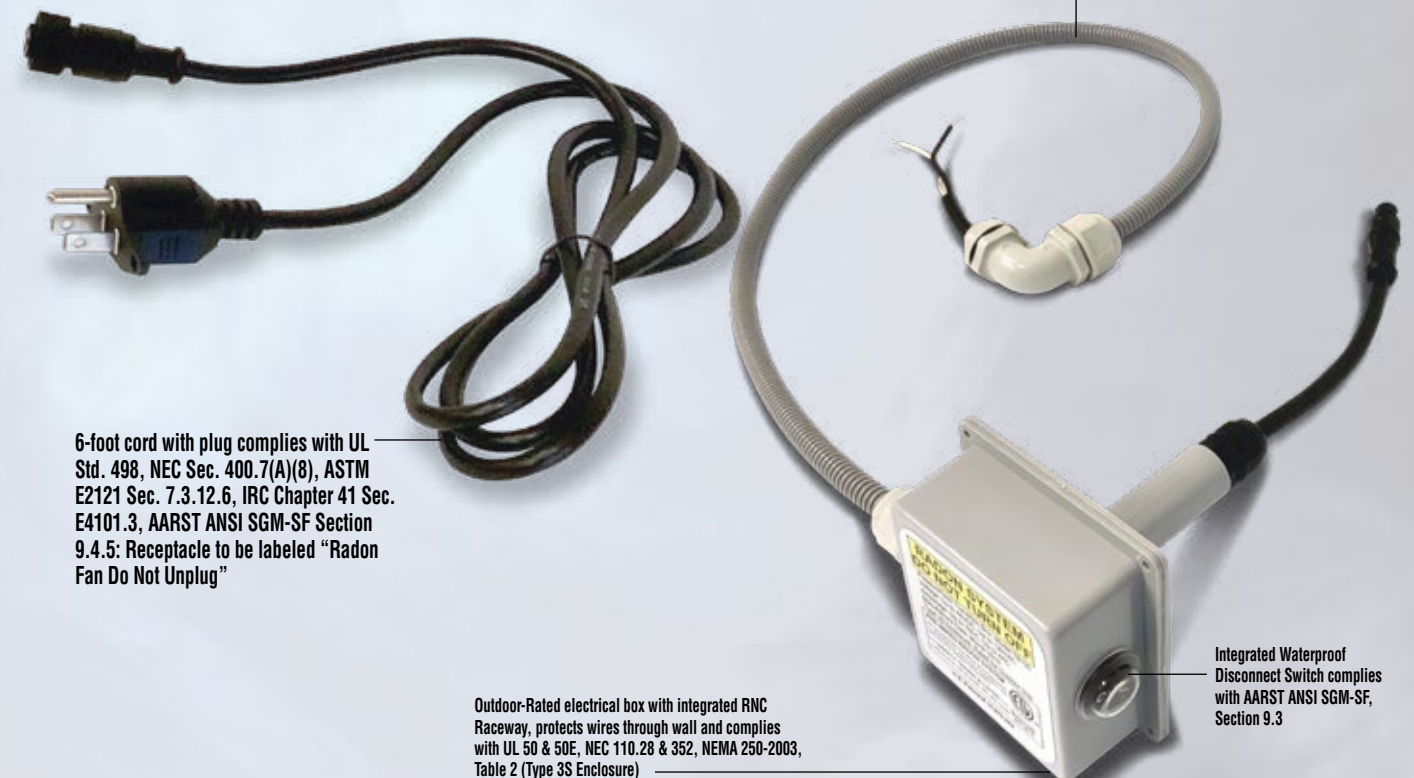
- ASTM E2121 Sec. 7.3.12.6

# The first ever PRE-WIRED

## The first ever PRE-WIRED radon fan electrical box

The TB100 Transition Box is the first ever, fully-patented device that facilitates an outdoor radon fan being plugged into an indoor outlet. Simply drill a 1" diameter hole next to the radon pipe and mount the Transition Box. This pre-wired electrical box has an integrated disconnect switch and conduit on the outdoor portion to comply with AARST Radon Standards. The indoor portion has a quick connect cable system that facilitates fast, easy activation from an existing indoor outlet.

TB100  
Transition  
Box



### TB100 Transition Box (Pre-Wired Radon Fan Electrical Box) COMPLIANCE STATEMENT

This system facilitates the connection of an outdoor-mounted radon fan to an indoor power source. The configuration was designed to comply with all National Codes and Standards, including:

UL Standards 50, 50E, 498, and 507

NEC, Section 400.7(A)(8) | IRC Chapter 41, E4101.3 | ASTM E2121-08, Sec. 7.3.12.6

Outdoor Wiring and Disconnect Switch Comply with ANSI/AARST SGM-SF 2017, Section 9.3

Indoor Power Connection with Plug Complies with ANSI/AARST SGM-SF 2017, Section 9.4.5.

**NOTE:** In compliance with AARST Radon Standards, Section 9.4.5; Receptacles providing power to plugged connections for mitigation system fans shall be marked: "Radon Fan – Do Not Unplug"

Fan is hardwired into TB100 Transition Box (NEMA Type 3S Circuit) by manufacturer which complies with EPA RMS 402-R-93-078, Section 14.6.5



Prices are for single unit orders. Quantity discounts are available for contractors and distributors. Call for a detailed quote: 1-800-453-2570.



## About Our Pre-Wired Radon Systems

### Q) Does this system meet code?

**A) Yes**, this system meets all applicable National Codes and Standards including:

National Electric Code (NEC)

Underwriter Laboratories (UL) Standards

American Association of Radon Scientists & Technologists (AARST) Radon Standards

American National Standards Institute (ANSI) Radon Standards

American Society for Testing and Materials (ASTM) Radon Mitigation Standards

International Residential Code (IRC)

National Electrical Manufacturers Association (NEMA) Standards

The system has been evaluated, safety tested, and LISTED in compliance with all applicable Standards by Edison Testing Laboratory (ETL), a Nationally Recognized Testing Laboratory (NRTL), approved by The Occupational Safety and Health Administration (OSHA). The National Listing number is 5013010.

### Q) I thought the new AARST Radon Standards disallow plugged cords for radon fans. How is this allowed?

**A)** The AARST Radon Standards, Section 9.3, specifies the requirements for outdoor wiring of radon systems. It states that the outdoor wiring of the system must be enclosed in conduit and cannot be a cord and plug (for obvious safety reasons.) However, it does not prohibit the indoor portion of the system from having a cord and plug connection. In fact, Section 9.4.5 specifies the requirements for labeling receptacles that are being used for plugged connections of radon systems. This configuration meets AARST Standards for both the indoor and outdoor wiring requirements. NOTE: In compliance with AARST Radon Standards, Section 9.4.5; Receptacles providing power to plugged connections for mitigation system fans shall be marked: "Radon Fan – Do Not Unplug".

### Q) Doesn't the National Electric Code prohibit the use of flexible plugged cords as a substitution for permanent wiring methods?

**A)** Yes, NEC prohibits flexible plugged cords as a substitute for the fixed wiring of a structure. However, these are Class 2 Power-Limited Circuits (defined in NEC Article 725) which allows a power supply to be remotely-located from the fan. The power supply can be connected to the fan using a Class 2 or 3 connection cable with molded-on connectors, as long as the power supply has rated output of 100 watts or less. Although the connection cable appears similar to a "flexible plugged cord", it is actually considered the "fixed wiring" of the power-limited circuit. NEC does not specify a limit for the length of a connection cable in a Class 2 or 3 circuit, just as there is no limit to the length of Romex wire used in standard (full power) circuit.

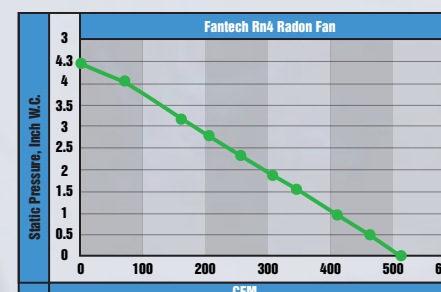
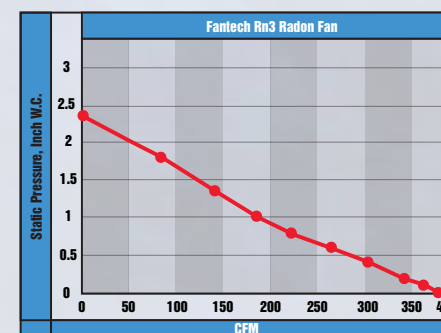
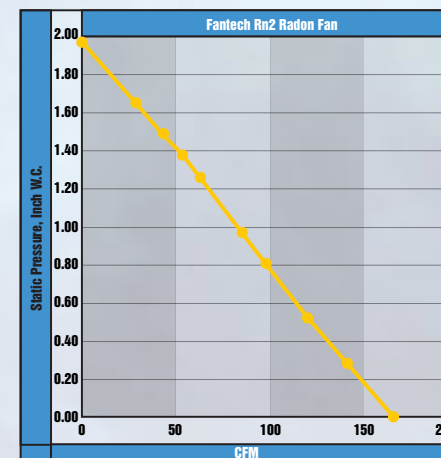
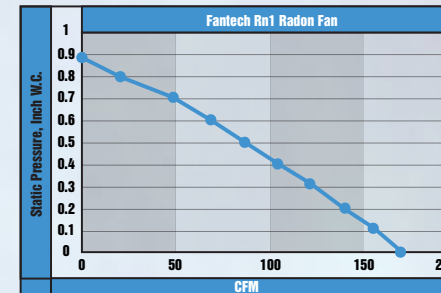
### Q) Isn't the maximum length of a flexible plugged cord 6-feet?

**A)** Yes, a flexible plugged cord that supplies "line voltage" to a radon fan should be limited to 6-feet in length. However, this is a Class 2 Power-Limited Circuit (defined in NEC Article 725) which allows a power supply or motor controller to be remotely-located from the fan. The power supply can be connected to the fan using a Class 2 or 3 connection cable with molded-on connectors. Although the connection cable appears similar to a "flexible plugged cord", it is actually considered the "fixed wiring" of the power-limited circuit. NEC does not specify a limit for the length of a Class 2 or 3 connection cable, just as there is no limit to the length of Romex wire used in a Class 1 circuit.

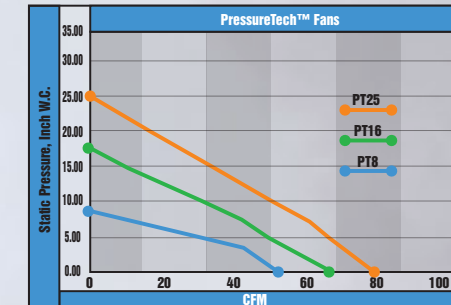
### Q) I thought a plugged cord cannot pass through a wall. Doesn't this system violate that code?

**A)** No, the TB100 Transition Box is an outdoor-rated electrical box (Type 3S enclosure) with integrated RNC Raceway that protects the wires that pass through the wall. This configuration was designed and LISTED in compliance with UL Standards 50 & 50E, NEC Articles 110.28 & 352, and NEMA 250-2003. No cables, wires, or cords pass through the wall without the required protection meeting the applicable codes and standards.

### Pressure Charts



### Pressure Chart



Original Fan	Replacement Fan
AMG Spirit Fantech FR100 Fantech HP2133 RA RP140	Fantech Rn1
AMG Hawk AMG Maverick Fantech F150 Fantech F175 Fantech HP175 Fantech HP190 Fantech HP2190/2190Q Fantech R150 Fantech R175 RA GP201 RA RP145 RA RP260 RA XP151 RA XP201 RA XR261	Fantech Rn2
AMG Patriot Fantech HP190SLQ RA SF180	Fantech Rn2SL
AMG Legend AMG Prowler Fantech F160 Fantech FR150 Fantech FR160 Fantech HP220 Fantech R160 RA GP301 RA RP265 RA RP380	Fantech Rn3
AMG Eagle AMG Fury AMG Prowler Fantech FR200 Fantech FR225 Fantech FR250 Fantech RF/200 Fantech RF/225 Fantech RF/250 RA GP301 RA GP401 RA GP501	Fantech Rn4
AMG Force AMG Eagle RA GP501	PressureTech PT8
RA HS2000 RA HS3000	PressureTech PT16 & PT25