

PFEDK

Pressure Field Extension Diagnostic Kit

It's a science, use it to your advantage

Why you need it

When mitigating the harmful effects of Radon gas in a residential or commercial structure, current method is depressurizing the building sub slab using inline fans and PVC pipes. Due to varying sub slab soil conditions and building size, determining the exact negative pressure required for a job has always been a challenge. You must rely on either past experience or "poke and hope" to size the system. How many times have you had to return to a work site and upgrade the fan to meet the requirements? What are the cost impacts on your business to drive back to the install location, explain why the first fan didn't cut it, and reinstall a different fan to get the job done? Furthermore, what is the cost to your credibility with the home/building owner or the referring realtor? What if you could determine the proper fan size with certainty to achieve your desired PFE that will properly reduce the radon inside the structure?

Fantech's PFEDK will assist you in properly sizing any sub-slab depressurization applications up to 4.4".

How it Works in 4 Steps

- 1 Install the PFEDK fan on your sump pit or system opening and measure the pressure drop at MAXIMUM FAN SPEED to establish the SYSTEM CURVE
- 2 Reduce the Fan's speed, establishing the lowest possible speed wherein you are still maintaining good communication with your Pressure Field Extension points - this is your reliminary Fan WORKING POINT
- 3 Calculate the additional pressure that the pipe "downstream" of the fan will add (90s, 45s, termination cap, additional lengths of pipe). Add those together and now you have a final system WORKING POINT
- 4 Using the tables provided in the case to select the right fan that meets or exceeds Design Working Point. Or even easier still, punch this data into our handy free PFEDK APP and it will show you the fans that will perform for this application.

Contact Us

Learn more and get in touch online at fantech.net



Features / Benefits

- **Measure, analyze and select the right fan the first time**
- **Confidently and scientifically can say you have used the best fan for the job**
- **Instant credibility**
- **Don't have to go back and replace an undersized fan**
- **No more guessing**
- **Eliminate the potential for oversizing a fan for the job**
- **Operational cost savings for the homeowner**

What's in the kit?

Fantech's PFEDK includes our Rn4EC fan, LDVI Pressure Sensing Couplings, digital manometer, phone app and cross reference materials, all housed in a road-tough, heavy duty Pelican® rolling case.