

GAS TORNADO

The Gas Tornado is an underground gas extractor that is designed to shorten the time it takes to pinpoint gas leaks and remove saturated residual gas from the ground. After creating a small hole in the ground, the compressed air powered aspirator is placed directly over the hole and quickly removes gas from the area. Using a gas detector, the crew is able to promptly identify whether the gas leak is close to that area or if they need to test further down the pipeline. The Gas Tornado uses the Venturi effect to aggressively suction the affected area and is ideal for rapidly purging gas from test holes, removing gas in hazardous areas, and for cleaning the soil of residual gas after a repair is made.

Features

- Generates 242" of simultaneous pick-up power
- No moving parts, no sparks, and no motor maintenance
- Can be used eff effectively in less than 2" diameter holes at any depth
- Optional 3/4" female threaded adapter in the base to connect a below ground suction nipple

Part Number	Description
T95993UNIT	Gas Tornado (includes power head & lower unit)
T95993UNIT-TIP	Gas Tornado With Threaded Adapter (includes power head & lower unit

*Add Optional Grounding Kit







GAS TORNADO

Operating Instructions (revised Feb 2025)

- 1. Inspect the Gas Tornado for any physical damage before use.
- 2. Make sure the lower base is secure to the powerhead.
- 3. Inspect the padding on the bottom of the lower base. This material is used for a form-fit seal to the ground for optimal operation.
- 4. Place unit over area to be vented. Be aware of which direction your exhaust is pointing when selecting placement. Unit should be vented or directed in an area away from individuals or objects. Eye protection must be worn.
- 5. Ground the Gas Tornado according to your company's grounding procedures when working in gaseous atmospheres.
- 6. Attach air hose to the Gas Tornado.
- 7. Turn on air slowly. Do NOT exceed 125 psi.

a. Less Air = Less Air movement

- b. More Air = More Air Movement
- 8. Run Gas Tornado until readings are achieved according to your company's venting procedures or leak investigation procedures.
- 9. Turn off air to unit before disconnecting.
- 10. Disconnect air hose from Gas Tornado.
- 11. Disconnect ground from unit, if being used.
- 12. Inspect Gas Tornado for any damage before putting unit away.

forna



GAS TORNADO

Best Practices

247" Waterlift – Over coming resistance 90 CFM Venturi – Volume of air moved =2,615 Airwatts

Decibel

107 Standing next to the unit 78 Standing 50' away

The Tornados are best operated at 100psi with 6' splitters. You could use 1, but every day users have found that 2 maximizes time and isn't over kill. If the area is expansive and saturated than call a 2nd truck and so forth.

Pinpoint the highest concentrated area, locate utilities according to company procedures, and drill 5 or 6' holes and place the units. Look for the LEL readings to go up, stay the same or go down. Based on that information you'll know whether to bring in more trucks.

Once Tornado has been placed keep them in that spot and do not chase. You get about a 50' range of pull. If you get a 2nd pocket of gas beyond that range set up a 2nd area of operation.

Time is dependent upon ground make up and saturation level. Sand being the easiest to evacuate and clay being the most difficult. If the ground is difficult and saturated the job could take longer than usual.

If other holes are present at the site, beyond the ones being used to evacuate block/ plug them with rag or something else.

If gas is present at the street and at a house/building – Draw gas away from Structure, Do Not draw towards structure.

Once you've reached your desired reading go a little further and then check it in 30 minutes. You won't get the most accurate reading immediately. Give it a little time and then do your reading.

Always follow your company's procedures.