Vacuum Line

The Supersonic Air Knife vacuum tools utilize the same compressor as the digging tools. Used to remove loose debris via a discharge hose, these devices are available for lightweight and high-flow models.



The Vacuum Adaptor Kit - 450-420-6
This kit includes a barrel and fittings that allow users to convert an LT or ST Air Knife into a vacuum.
Ideal for single-user projects.

LT Vacuum – 420-00
LT Vacuum Kit – 420-00-01
HF Vacuum – 421-00
HF Vacuum Kit - 421-00-01

The Dirt Duffle - 470-521
The Dirt Duffle provides a catch for excavated material. Heavy-duty mesh and vinyl design reduces dust while strong zippers and handles allow for easy movement of debris or soil.

SCAN THE CODE FOR
A complete list of Supersonic Air Knife devices

Landscape | Turf | Trees | Grower



SOIL EXCAVATION

Supersonic Air Knife®

Pneumatic Soil Excavation

The Supersonic Air Knife uses high-pressure air to dig trenches, remove compacted soil and locate utilities safely and effectively. Air delivered at twice the speed of sound loosens material without damaging tree roots, irrigation or power lines.

PRODUCT FEATURES

- Large Pressure Gauge
- Ergonomic Trigger Assembly
- Adjustable Handle
- Various Barrel, Nozzle, and Wear Tips Available

PRODUCT APPLICATIONS

- Trenching
- Inspections & Transplanting
- Vertical Mulching & Soil Aeration
- Utility & Irrigation Excavation
- Rescue





Supersonic Air Knife®

PNEUMATIC SOIL EXCAVATION

PRIMARY APPLICATIONS

How It Works

The Supersonic Air Knife Nozzle concentrates a high-velocity air down a conical tunnel where it is released at supersonic speed through a narrow opening.

- Easy-to-use with a lightweight and ergonomic design.
- Strong materials such as stainless-steel and anodized aluminum resist flaking, chipping or breaking.
- Customizable options include a variety of barrel, nozzle and wear-tip materials to meet your needs.
- Adjustable barrel handle easily controls the device, reduces vibration, and protects the user from generated heat.
- Compatible vacuums use the same compressor to evacuate soil, reduce airborne dust and relocate soil.



Lightweight - LT Line

- Standard 42” aircraft aluminum barrel
- Stainless steel nozzle and wear tip
- Compatible with a compressor psi/cfm of 125/185 or more

Use Cases: Arboriculture, Landscaping.

LT Standard - 400-11

LT Standard Kit - 400-11-01

High Flow – HF Line

- 42” lightweight aluminum barrel with stainless-steel nozzle and wear tip
- HF Variable Flow Nozzle provides adjustable flow, pressure and power
- Brass, copper and Derlin nozzle/wear-tip assemblies also availble
- Dielectric barrel option allows for use near live electrical sites
- Compatible with a compressor psi/cfm of 125/375 or more

Use Cases: Heavy-Duty Trenching and Digging

HF Standard – 403-11

HF Standard Kit – 403-11-01

HF Dielectric – 405-00

HF Dielectric Kit – 405-00-01

HF Variable Flow Nozzle - 450-403-11



Stainless - ST Line

- Heavy-duty stainless-steel barrel and nozzle
- Brass nozzle and copper wear tip available for spark resistance
- Compatible with a compressor psi/cfm of 125/185 or more

Use Cases: Utility work, Rescue, Construction, Trenching

ST Standard – 402-11

ST Standard Kit – 402-11-01

ST Standard Cu – 402-15

ST Standard Cu Kit – 402-15-01



Liquid Injection

- Standard hose connection to inject water into work zones
- Available in LT model
- Compatible with a compressor psi/cfm of 125/185 or more

Use Cases: Cleaning, Dust Mitigation, Vertical Mulching

LT Liquid – 401-00

LT Liquid Kit – 401-00-01



Kits & Accessories

Kits provide Air Hoses with 2-prong (LT & ST lines) or 4-prong (HF line) Chicago Couplings, and a travel case.

