

A Closer Look.

VECTOR
WORK ASSURED

Commander System

FOR ROOT CONTROL

Tree roots invading sewer lines through cracks and fissures can result in very costly sewer repair or replacement work if left untreated. Root cutting may seem like the easiest solution, but saw-cut roots grow back faster and thicker, risking blockages and more frequent cutting. Using a chemical root control application can often be a more cost-effective way to eliminate these roots and keep them from coming back for years. Adding the Commander System as a new or retrofit option to Vector® sewer cleaning equipment enhances versatility, increases productivity, and saves money.

The Commander System features:

- **Touch screen control** – Easy-to-access, easy-to-operate
- **On-demand foaming** – No waste, ready when needed
- **Snap-in chemical container** – No mixing, no mistakes
- **Two-stage nozzle** – Pressure-activated to jet, then foam
- **Self-contained unit** – Compact design fits most trucks



VAPOROOTER® ROOT CONTROL

Vaporooter root control is a specially-formulated, two-part chemical product. It contains a fast-acting herbicide that kills roots on contact and a long-lasting herbicide that penetrates joints/cracks to prevent roots from blocking pipes for years. The unique, root-foaming application covers all the roots and pipe surfaces for maximum effectiveness. Only tree roots within the pipe and a short distance outside the pipe are affected. Trees and shrubs above the pipe are not affected.

The root control agent, which comes out as a foam when activated, is dispensed from a tank mounted on a Vector combination sewer cleaner using a low-pressure nozzle. The process is similar to a standard pipe-cleaning run. The hose and nozzle are propelled from a manhole to the next manhole upstream. The crew then activates the dispersion of the Vaporooter* product from the tank as the nozzle and hose are retrieved, eliminating the roots and preventing re-growth for two to three years on average.



** Identifies the Sanafoam Vaporooter II product (a Restricted Use Herbicide). Requires special handling, storage and/or certification depending on your location. Please review Material Safety Data sheet before any application.*

1621 South Illinois Street • Streator, IL 61364 U.S.A. • (815) 672-3171 Phone • (815) 672-2779 Fax

www.vector.com

*** Note: Shown without front and top panels.*

A Closer Look.

VECTOR
WORK ASSURED

SELF-CONTAINED APPLICATION UNIT

The Commander System can be installed as a new or retrofit option on Vector-brand sewer cleaning equipment. After determining the mounting location, the system is connected to the existing water tank, air tank and fuse box. The self-contained unit includes:



ROOT KILLER – The fast-acting root control chemical is delivered in a snap-in container that fits through the access door in the unit. Mixing is unnecessary and the container remains safely sealed until needed.

ROOT INHIBITOR – The long-lasting root control chemical is delivered in a water-soluble package that is shipped with the snap-in container. The package is added to the secondary tank and mixed with 5 gallons of water.

WATER PUMPS – One water pump pressurizes the hose for the rinsing and foaming operations. The other water pump supplies the wash down port.

CHEMICAL PUMP – The chemical pump meters and blends the two-part chemical for root-foaming and dispensing operations.

ELECTRIC CONTROL – The Programmable Logic Control (PLC) is integrated with the touch screen to simplify root-foaming and dispenses foam at the touch of a button.

TWO-STAGE NOZZLE – Under higher pressure, the nozzle washes slime and debris from roots, preparing them for treatment. Under lower pressure, the nozzle foams the entire pipe as the hose is retrieved, applying the root control treatment.

TOUCH SCREEN – The touch screen, typically mounted at the hose reel, simplifies foaming and rinsing operations. The panel is integrated with the controller to meter, blend and dispense the correct amount of chemical. The system also has several sensors to assure efficient and effective operation at all times. When the chemical runs out, the system alerts the operator to snap in another container and continue treatment.



UNIT SPECIFICATIONS

- Dimensions – 40.5" x 16" x 20.5"
- Empty Weight – Approx 165 lbs.
- Loaded Weight – Approx 300 lbs.
- Material – Powder-coated aluminum
- Electrical – 115 VAC via 2000 watt convertor
- Air requirement – 15 cfm @ 100psi
- Water requirement – 4.5 gpm static draw
- Operating psi – 100 – 120 psi



ORDERING INFORMATION

P/N 47555 Commander System – Self-contained unit
Mixing tanks for Vaporooter, Water pump, Chemical pump w/ metering, Touch screen control, Two-stage nozzle

P/N 47566 Vaporooter Sanafoam Concentrate
Snap-in container for root killer, Water-soluble package for root inhibitor

1621 South Illinois Street • Streator, IL 61364 U.S.A. • (815) 672-3171 Phone • (815) 672-2779 Fax

www.vector.com