

# USGasTech Inc

Providing gas-related technologies to the American Gas Industry

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**Compact excavation vehicle  
(VTR)**

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## ➤ Application

This equipment, developed in line with the “Rapid, Unobtrusive Works” technique, is used in routine excavation to dig narrow holes, where conventional earth-working techniques are not feasible. Because of its operating flexibility, it can also be used to dig much larger trenches.

This self-powered system enhances safety and efficiency on the worksite while engendering less disruption and disturbance to the surrounding community.

Excavated dirt is managed dynamically, so the vehicle does not have to remove it for dumping.

The equipment is designed for use on most buried networks.

This vehicle is produced by RSP (Germany). It is available in several sizes, depending on the earth storage volume required.



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## ➤ Characteristics

The vehicle's engine, rated by Euro-2 standards at 300 hp, drives an air turbine with a suction speed of 600,000 ft<sup>3</sup>/h to 900,000 ft<sup>3</sup>/h, at a noise level less than 82 dBA.



The gross weight of the equipment is 42,000 lb and its wheelbase is 12.5 ft long. It is equipped with an 120 psi air compressor and a pressurized water tank for cleaning the worksite.

The excavated dirt storage tank has a capacity of 140 ft<sup>3</sup>. In addition, a conveyor belt handles the dirt dynamically, by transferring it to bags, auxiliary buckets or other trucks.

A telescopic jib extends the working range up to 16 ft from the vehicle.

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## ➤ Performances



The road surfacing is cut and removed by means of conventional pneumatic equipment hooked up to the vehicle.

Compressed air is injected to break up the ground.

This system presents no danger for networks buried in the ground.

Its excavating capacity is roughly 300 ft<sup>3</sup>/h, depending on the nature of the ground.

Only two operators are needed to run the VTR vehicle.