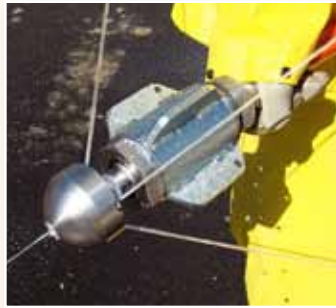


Superior Sewer Jetting Tools

Tool Talk™ - Tools so mean only a sewer could love 'em

Sewer and Drain Experts

The world of sewer and drain cleaning offers a tremendous variety of tool options. They include multi-orifice nozzle heads, chain flailing, carbide cutters, and hydraulic saws. The top performers of these tools are the self-rotary and speed controlled models. Self-rotation provides for complete interior coverage of the pipe while the speed control allows the jets to do their work efficiently. Our staff of technical specialists are here to help you every step of the way.



number of jets being used. All **WARTHOG®** nozzles rotate; one of which is forward at a 15° angle, the remaining jets are 150° and 135° to the rear. The front jet is designed to clear blockages allowing the tool to progress through the pipe while 90% of the tool's power is directed through the rear jets which provide the powerful cleaning, cutting and thrust.



Speed of Rotation

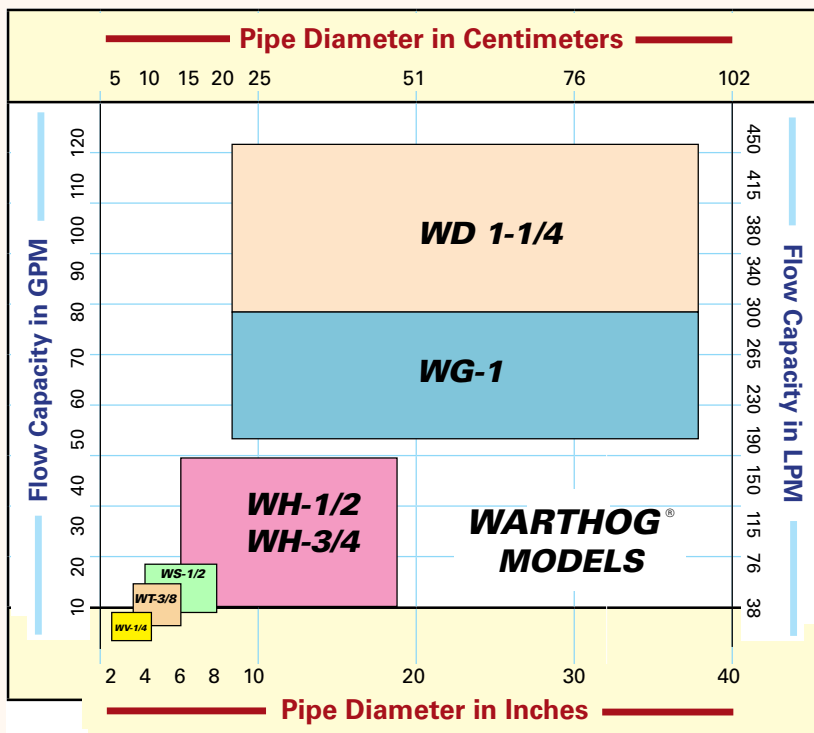
The rpm range on the **WARTHOG®** is from 150-300 rpm. Self-rotary nozzles that spin too fast do not allow the jets time to do their work on cutting tough deposits or root cutting as the jet path deteriorates due to the velocity of rotation.

Number of Nozzles

The fewer the nozzles the more powerful each jet will be. This is because your pump has a specific power output which is then divided by the

Thrust

Thrust, or pulling power, is measured in terms of foot pounds of thrust. This is important to know as sewer cleaning tools typically have to pull heavy hose for long distances to get from one access to the next. One important note is that each tool's individual weight is not as important as its pulling capacity. Thrust can come from rotating or non-rotating nozzles. All **WARTHOG®** nozzles rotate, which allows for the entire cleaning of the inner pipe wall while other tools with non-rotating jets will leave stripes. **WARTHOG®** tools can generate as much as 80 lbs. of thrust depending on the model and the flow being supplied.



SEWER NOZZLES



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