

HOW DOES MY JET-VAC WORK?

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High pressure water is pushed from the Jet-Vac Booster Pump through the supply line, through the wall fitting and strainer, through the feed hose to the Jet-Vac. Some of the water is directed to the sweep hose before entering the Jet-Vac head.

Water enters the Jet-Vac head and half is directed to the upward-facing venturi jet, shooting water up into the bag and drawing in dirt and leaves. The other half is directed into either the Forwarding Pusher Jet to propel the cleaner forward or the Reversing Jets to make the cleaner reverse.

WHAT MAKES MY JET-VAC GO FORWARD OR REVERSE?

There are ports and channels inside the white bottom plate.

Forward: When the forwarding port is open, the water is directed to the main pusher jet nozzle, providing the propulsion to push the Jet-Vac forward.

Reverse: The reversing port is divided into two segments. At the start of the reversing cycle, water is directed to the left side reversing jet, making the Jet-Vac reverse and rotate anti-clockwise. When the reversing port is fully open, equal amounts of water will be directed to the left and right reversing ports, allowing the Jet-Vac to reverse in a straight line. At the end of the reversing cycle, water is directed to the right side reversing jet, making the Jet-Vac reverse and rotate clockwise.

The continual reversing and rotating of the Jet-Vac ensures the cleaner will not get caught or snagged in any spot.

CHECK THE CORRECT OPERATION OF THE GEARBOX by holding the Jet-Vac out of water whilst operating. Watch the correct cycling of the water flow as described above.

Hint: Hold the cleaner upside down at water level to gain the best view. Hold the sweep hose from spraying everywhere.

WHAT OPENS AND CLOSSES THE PORTS?

The bottom gear is the active gear in closing and opening the different ports. The series of holes in the gears ensures that the forwarding port and the reversing ports cannot open at the same time or be closed at the same time. High pressure water enters the Jet-Vac head and spins the top propellor. The propellor engages the gears so that the bottom (active) gear moves the slowest. When the hole in the active gear lines up with a port, then water is directed through that port.

HOW LONG DOES MY JET-VAC GO FORWARD OR REVERSE?

Jet-Vac moves forward for approximately 3 minutes, then moves into its reversing mode.

The reversing and rotating cycle lasts for approximately 45 seconds.

SUMMARY

The venturi port always remains open, so that the Jet Vac is always picking up debris regardless of whether it is in forward or reverse mode. No other pressure cleaner has this feature. When the Jet-Vac is in forward mode, no water should be exiting from the reversing jets. Likewise, when the Jet-Vac is in reverse mode, no water should be exiting the forward pusher jet.

SIMPLE!

Jet-Vac is propelled by water. Jet-Vac picks up debris by using a venturi jet of water.

