

# A Closer Look.

**VECTOR**  
WORK ASSURED



Actual pressure shown on display

**DiGRiGHt**  
TECHNOLOGY

## For Vacuum Excavation of Utilities

DigRight® Technology is a patented technology standard on all Vector® HXX HydroExcavators®, that allows operators to select a maximum operating water pressure to control maximum water flow output – all with the push of a button. DigRight increases safety, adheres to industry recognized best practices, and allows the operator to focus on the application.



### DigRight Advantages

- Prevents pressure from exceeding site or industry requirements
- Prevents wear and tear on check, unloader and relief valves by avoiding bypassing water
- Saves fuel and money by eliminating wasted energy

According to hydroexcavation best practices, there are set pressure limits based on the depth of the excavation. For example, when excavating 18 inches below the surface, the water pressure limit is 1,500 psi. The maximum water pressure allowed in any situation with a straight jet nozzle is 2,500 psi, and when using a spinner, the limit is 3,000 psi. DigRight technology coupled with Vector's multi-flow, variable water flow water pump feature, allows the operator of a Vector HXX HydroExcavator® to select a maximum water pressure limit to prevent the pressure from exceeding site or industry requirements.

The system consists of a push button on the control panel with four default selections: off; 1,500 psi; 2,500 psi; and 3,000 psi. It automatically adjusts the pump's water flow to match the user's nozzle selection. It also prevents wear and tear on check valves, unloader valves, and relief valves by avoiding bypassing water, which is typical with other variable water flow systems. Preventing bypassing of water also saves fuel and money by eliminating wasted energy.

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### VECTOR HXX HYDROEXCAVATOR STANDARD WATER SYSTEM

Vector's standard water system is rated at 3,000 PSI (37.85L) with options of 10 GPM or 20 GPM water flow. The Vector water pump is controlled hydraulically and features Vector's multi-flow, variable water flow capabilities which allows the operator to adjust water flow on demand. Vector's water pump is mounted in its own cabinet away from electrical components. This water pump cabinet can also be heated and insulated for cold weather applications.

Found on utility, municipal and public works, oil and gas, construction, and site preparation job sites across North America, the Vector HXX HydroExcavator provides a safer, easy-to-use alternative for potholing, waterline repair, slot trenching, directional drilling, sign and pole installation, pipe and line repair and installation, and other large-volume excavation.



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