

CONSTANT PRESSURE PORTABLE WATER PUMP

Hose2Go provides a constant pressure water supply unit without a battery or pump.

The Hose2Go provides a consistent flow of water that allows for both cooling and dust suppression when cutting, core drilling and grinding concrete.



Hose2Go used for asphalt compaction (left), Refilling of the Hose2Go unit (right)

The Situation

Use of a continuous supply of water to aid in wet cutting methods or compaction can become challenging in an ever-changing worksite. Conventional hand water pump or knap sacks do not offer consistent water pressure or supply and require regular refilling.

For small to medium sized cutting or compaction activities water carts may be used, however accessibility of the trailer to all areas of a worksite sometimes cannot be achieved. Additionally, refilling water carts can take considerable time and relies on the availability of a watermain or water supply for refilling.

MRPA has identified a mobile unit which offers consistent pressure water supply.

The Solution

The Hose2Go, offered by MAKINEX Construction Products is a pressurised water supply device. It is designed and engineered to simplify the process of supplying water in situations where regular hosing is difficult. The Hose2Go includes a multi-function nozzle, an on/off valve and a 3m of reinforced hose, all mounted on a compact two chamber frame design.

Once the user has filled the unit from a tap, it is ready to go, giving the user up to 30 minutes of constant flowing water without using a battery or pump.

Benefits and learnings

The Hose2Go adds significant quality value over existing portable suppression products, due to its continuous flow of a consistent stream of water that is far greater than existing products.

An additional benefit is the reduction to the manual handling requirements on workers from existing pumps.

The Hose2Go offers the following advantages over existing water suppression tools:

- No pump which means greater reliability
- No complicated electrics to breakdown
- No need to manually pump for water pressure
- On the job dust suppression – easy and simple
- Up to 30 minutes of a constant flow of water
- Portable - only weighs 20kg (44lb) so you can use it anywhere, and
- On the job cooling – ensuring longer blade life.

Program Office: Level Crossing Removal Project
Work Package: MRPA
Principal Contractor: Fulton Hogan
Solution Vendor: MAKINEX Construction Products

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