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## Nelson Rain Train Travelling Sprinkler

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### Controlled Irrigation:

The Nelson Water Tractor is equipped with 3 speed settings - High (HI), Low (LO, and Neutral (N)

allowing you to apply either a light watering, a heavy watering, or when in neutral as a static sprinkler, a slow soak of a particular area.

You can forget running around moving sprinklers all day and night by letting this little tractor do it for you!

## Setting Up Your Nelson Rain Train Water Tractor

Simply connect your hose pipe to a tap and then lay it out in the middle of the intended route on the area you wish to be irrigated, use wide gradual turns wherever possible. Route the hose pipe around obstacles to get into areas that might normally be missed.

Position the front wheel of the Nelson Rain Train at the end of the run of hose pipe, with the sprinkler facing back towards the tap. Loop the end of the hose pipe back around on itself and connect it to the water tractor.

Once a gear is selected and the water is turned on the sprinkler will follow the hose pipe back towards the tap.

The Nelson Water Tractor is designed to automatically shut off at any given point along your hose track by means of the supplied ramp. The ramp works by applying pressure to a shut off switch on the bottom of the Nelson Rain Train water tractor as it travels over it.

The picture to the right shows the automatic shut off device activating against the supplied ramp underneath the sprinkler.



**Please Note:** Some light dripping may occur from the shut off switch when the sprinkler is in operation, this is normal and does not indicate a fault.

### **Connection to a Hose Pipe**

The Nelson Rain Train water tractor sprinkler is most suitable for connecting to a 12.5mm (½ Inch) hose pipe.

The Nelson Water Train is not recommended for a 19mm (¾ Inch) hose unless it is in short runs as the extra weight of hose pipe and water within it can damage the internal gear box.

### **Recommended Fitting - Snap-On type connector**



Rear view of the Nelson Water Train when unpacked from the box.

The Brass screw connector will move sideways at the point it is connected to the plastic gear box.

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The brass screw is threaded to accept a 19mm (3/4") diameter fitting

Rear view with a 19mm (3/4 inch) male threaded Snap-On style connector fitted into the brass screw connector.

It is important that this arrangement is screwed up tightly to the point where the sideways movement is eliminated. It is at this point the rubber seals will be pulled together to prevent leaks.

This hose pipe connector is suitable for connecting a 12.5mm (1/2 Inch) hose pipe via a Snap-On type coupling.

Please Note: the Snap-On fittings used can be made of either plastic or brass.

### Alternative Fitting - GEKA style Claw-Lock coupling



The Nelson Water Train can also be connected using a GEKA style Claw-Lock coupling.

In this picture a 19mm (3/4 Inch) male threaded GEKA style Claw-Lock coupling is shown screwed into the rear of the gear box.

When using a GEKA style Claw-Lock coupling it is likely that the depth of the thread will not be sufficient to eliminate the sideways movement in the brass screw connector attached to the plastic gear box. If this happens then then a sufficient seal will not be created and water may leak.

To overcome this situation then a pack washer made of either nylon (pictured above) or rubber should be used behind the GEKA style Claw-Lock coupling.

### 1865 Traveling Sprinkler

Cast-iron body with chip resistant, powder-coat paint

Coverage up to 13,500 ft<sup>2</sup>

Travels up to 200 feet

Adjustable aluminum spray arms provide coverage range from 15 feet to 55 feet in diameter

3 speeds (high, low, neutral) to choose from

Automatic shut-off

Performance: @30 PSI - 863l/h; @60 PSI -1226l/h