

## Portable Trough under high pressure situations :

In order to successfully de-couple Kiwitech portable troughs from Kiwitech Hydrant Tees that have been incorporated into permanent water lines, a water pressure gradient must be created in the permanent line.

Under normal circumstances this pressure gradient is created by emptying the trough before attempting to de-couple the portable trough lead from the permanent line hydrant using the bayonet-release method.

In the following circumstances the bayonet-release method will be difficult to action:

- When permanent lines have a big diameter (e.g. 40mm) and/or are short
- When the feeding hydrant is in proximity to the pump or hilltop gravity feed tank
- When the portable trough lead is long (e.g. 20m +)

In order to create a pressure gradient for the above scenarios there are a number of options:

- 1) Activate another Hydrant in the permanent line (if one is close by) AND empty the portable trough before the de-coupling event (the nearby Hydrant can be "activated" by inserting a short piece of polypipe into the valve letting the water run free).
- 2) If there is no Hydrant close by and the trough lead is long, add a Hydrant Tee close to the free end of the portable trough's lead. Before de-coupling, insert a short piece of polypipe into this Hydrant AND tip the water out of the portable trough.
- 3) Use the High Pressure Release Sleeve on the free end of the pipe.

The big flow created by these actions will make it easier to action the quick bayonet-release method.

