



*heating and plumbing products  
that won't cost the **earth***

**Filling & flushing station  
for ground loop systems**



# Filling & flushing station for ground loop systems

## Introduction

This complete filling and flushing system comprises two key elements. The Flush Pro filling and flushing station is combined with the Flush Pro mixing tank set.

Developed and tested in collaboration with a manufacturer of ground collectors, the major challenge was to be able to charge large amounts of heat transfer medium in a minimum of time - as ground based systems carry much more fluid than solar systems. As you can see from the features list below, we've managed to achieve just the results needed to make the job as simple - and quick as possible. And of course, although delivering great results for ground loop systems, there's no reason why it can't be used to charge solar systems as well.

## Pump key features

- Heavy duty trolley mounted pump set
- Flow rate - 60l/m at a max pressure of 4 bar
- 30 litre reservoir tank
- Filter with sight glass
- 3 metre long flow and return hoses
- Diverter valve to engage fill or flush
- Can be used with all Glycols and even Lime

## Mixing tank set features

- 2 x 150 litre PE tanks with handles
- Sealing lids for filling & isolating valves
- 3 way connector
- 6 metre suction hose
- Delivery hoses from container

## How it works

The two 150 litre tanks are used to mix water and Glycol to make the heat transfer medium. The liquid is then circulated between the tanks and the filling pump until it is completely mixed. The high delivery volumes reduce the risk of air getting trapped in the mix.

As soon as the system is filled, one move changes the flow direction to the supply line of the pump. The multifunction valve closes the connection to the mixing tanks and opens the line to the canister of the filling station. Now the heat transfer liquid is circulated between the collector and filling station. Any air is removed through the open canister.



Flush Pro filling and flushing station



Flush Pro mixing tank set

product description	product code
Flush Pro filling pump for ground loop systems	UNISTAR 2000 B 230V
Flush Pro mixing set	105012



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