

PRESSURE TESTING KIT INSTRUCTION MANUAL



 **Plastica**

The UK's Leading Independent Swimming Pool Manufacturer and Distributor

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The Plastica Pressure Testing Kit is designed to test new installations where a leak is not necessarily expected. It is also ideal for testing existing installations when a leak is present, prior to carrying out any work to prove soundness.

The kit is an accumulation of high-quality components for testing 1.5" to 2" domestic swimming pool plumbing. The test manifold has been designed with simplicity and reliability in mind. It hooks up to a standard garden hose and is also provided with an inline 20psi pressure regulator. We recommend this is always used to prevent accidental damage to the filtration and pipework (we would suggest testing is carried out at 15psi).

For safety, the kit has been developed to test with water only, and any air should be purged from the system before pressure testing begins (water has far less stored energy than compressed air).

The 38mm/1.5" and 50mm/2" hollow bungs are designed to be hooked directly to the testing manifold for simplicity, and should prevent the need to cut into pipework.

Also included in the kit is a selection of solid bungs and threaded bungs. These can be used either for testing purpose or to leave on site if a leak is found; to help prevent excessive water loss. These bungs can be re-purchased from us and are more cost effective than replacing the hollow bungs.

KIT CONTENTS

- 1 x Comprehensive testing manifold.
- 1 x 20psi Pressure regulator.
- 1 x 50mm/2" Hollow bung (standard length).
- 1 x 50mm/2" Hollow bung (extra length).
- 3 x 38mm/1.5" Hollow bung (standard length).
- 1 x 38mm/1.5" Hollow bung (extra length).
- 2 x 31mm Hollow bung long reach.
- 2 x 25mm Hollow bung long reach.
- 2 x 19mm Hollow bung long reach.
- 2 x 12mm Hollow bung long reach.
- 4 x 1.25" to 1.5" Solid bung.
- 4 x 1.5" to 2" Solid bung.
- 4 x 2" to 2.5" Solid bung.
- 10 x 1.5" Threaded plug.
- 10 x PTFE tape.
- 1 x Syringe of leak detection dye.
- 1 x 8oz Leak detection dye refill.



THE 38MM/1.5" AND 50MM/2" STANDARD AND LONG REACH HOLLOW BUNGS

These should be secured into the open end of pipework, preferably where there is a fitting present rather than just a straight cut pipe. This should help prevent any creep from the bung. When testing with water pressure only, a small amount of creep can make a big difference on the pressure gauge. Once all the openings are sealed off, you can choose the most conveniently placed hollow bung to attach your pressure test manifold to.

For safety, we have provided a 20psi water pressure regulator to prevent accidental spikes in pressure, which could be harmful to other pool equipment and is also potentially dangerous. We recommend testing at around 15psi for a duration of 15 minutes.

THE 12MM, 19MM, 25MM AND 31MM HOLLOW BUNGS

These are for any unusual fittings that require testing. In addition, the 12mm hollow bung can be used in conjunction with the 1.5" and 2" hollow bungs to make a smaller hole to help with dye testing with underwater fittings. The smaller hole provides faster flow which helps visually recognise any leaks.

SOLID BUNGS AND THREADED PLUGS

These are provided as additional support when testing a pool with multiple fittings, but also an easily replaceable, cost-effective, short-term solution to leave behind once a leak has been found. This will help prevent the loss of any more water and minimise the risk of consequential damage.

LEAK DETECTION DYE

We have included a leak dye kit from Leakmaster, which includes a prefilled syringe with 6" plastic needle to minimise interference from unwanted currents. Also provided is a 236ml refill bottle which is enough for approximately 40 refills. This can be used to check the pool shell and liner for leaks, as well as submerged pool fittings.

PRODUCT CARE

After each use, we recommend each component that has been used is rinsed with fresh water and dried before being put back in the box. This will help prevent staining, corrosion and bad odours.



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