Chemical Test Kit Instructions

Reinstate your confidence in a clean seal with our Chemical Test Kit. Designed to test the compatibility of your chemical compound with our O-rings, this is the first step in ensuring your pump will remain secure and leak-free once it's installed out in the field.

Parts Included:

- 1X 500 ml Jar
- 2X 2oz Jars
- 2X XF1 O-Rings
- 2X XF2 O-Rings
- 2X Teflon O-Rings
- 1X One N' Done sample (cut in half)

With this kit, we are doing two different tests. One, to test the chemical compatibility with our two different O-Rings, and the other, an oxygen exposure test.

Use the 500 ml jar to collect the chemical you would like to test.

Test 1: O-Rings

Suggested Duration: 24 Hours

From the 500 ml jar, pour a small amount of the chemical into each 2oz jar.

There are samples already placed into respective jars: XF1 O-ring & One N' Done sample in one jar, and XF2 & Teflon O-rings in the other jar. The extra O-rings and One N' Done sample in the labelled baggies are for comparison. DO NOT ADD CHEMICAL TO THESE. After 24 hours, compare the O-Ring in the jar to the non-chemical exposed O-Ring (In the baggie). Be sure to look for changes such as:

- Swelling or Shrinking
- Hardness
- Check for Deterioration
    - Rub Test: Remove the O-Ring from the chemical, lay it on a piece of paper towel, and rub the O-Ring against a hard surface. We are checking for flaking or material deformation.

Test 2: Oxygen Exposure

Suggested Duration: 3-10 Days

For this test, leave the chemical in the 500ml jar with the lid removed for the duration stated. This test is to see if the chemical, once exposed to oxygen, has sediment and/or constituents at the base of the jar.

The purpose for this test is to understand how your packing will wear overtime, and if a sediment is formed simply due to oxidization. Depending on results, a filter may need to be added to your chemical inlet lines.