

# RephiTEKT Prefiltration System

**A pretreatment pack for your lab water system - EASY TO INSTALL, NO TOOLS, NO LEAK**



*Frustrated with installation of barrels? Cannot stop leak?*

RephiTEKT is an easy installation and maintenance prefiltration system. It takes seconds to install the RephiDuo PreFilter cartridge, no leak, no tools required.

RephiDuo PreFilter cartridge consolidates pretreatment media to remove chlorine, organics, particles, calcium and magnesium, and many other contaminants in the feed water to protect your water system.

## Features

- Push-N-Lock connections. Quick and convenient installation and easy exchange of cartridges
- Cartridge support is wall mountable or stand-alone on a bench top
- High water pressure tolerance for the kit, minimal risk of water leak
- Optimized pretreatment media to remove harmful contaminants in feed water
- Inlet and outlet pressure gauges to monitor the cartridge conditions
- Highly compact set-up and space-saving

## Easy Operation

*Minimal maintenance*

Multiple components with accessories. Difficult and time consuming to install

Low tolerance to water pressure and high risk of water leakage

Bulky, hard to stand alone

Complicated preventive maintenance of the whole pack including lots of valves, O-rings and connectors

Fast push-n-lock connections. Quick and easy installation and cartridge exchange without use of tools

Higher pressure tolerance. Much lower risk of water leakage

Wall mountable or stand-alone. Flexible in installation. Small footprint

Expert design with minimal connections. Easy handling. Lower maintenance cost



**Regular Pretreatment kit**

**RephiTEKT**

**A good prefiltration pack should be:**

- ✓ Quick and easy installation and handling
- ✓ Reliable treatment of feed water
- ✓ Small overall footprint
- ✓ Worry-free operation

## RephiDuo PreFilter Cartridge

RephiDuo PreFilter cartridges are designed to remove most harmful contaminants in feed water.

A RephiDuo PreFilter cartridge contains optimized purification media - for efficient removal of various contaminants.



### Microporous Depth Filters

It removes suspended solids, such as particles, colloids and larger color causing organics in feed water from reaching the system. It plays an important role in maintaining a satisfactory performance and longevity of downstream purification technologies.

### Activated Carbon

Activated carbon contains numerous tiny pores and a surface area of about 1000 m<sup>2</sup>/g. It reduces organics, chlorine residues, chloramine, most residual oxides and other soluble materials by adsorption and chemical reactions. Such contaminants foul or oxidize the RO membranes, EDI modules and other components in the water systems.

### Anti-scaling Reagent

The anti-scaling compound used in a RephiTEKT pack removes Ca, Mg, Fe and other minerals to soften water. Such contaminants scale upon RO membranes and EDI modules, thus greatly reduce their usage life.

It is recommended that the dual-column pre-filter should be either exchanged every 3 months or when the pressure gap between the inlet and the outlet is higher than 0.1 MPa, whichever occurs first.

## Specifications

	RephiTEKT
Dimensions	20 cm × 16 cm × 50 cm (L x D x H)
Weight	3.2 kg (without cartridge) 6.1 kg (with a cartridge)
Product water flow rate	4.1 L/min (feedwater pressure at 2 kg/cm <sup>2</sup> )
Operating temperature	5 - 45°C
Feedwater pressure	1 - 6 kg/cm <sup>2</sup> (15 - 90 psi)
Cartridge operating pressure	15 kg/cm <sup>2</sup>
Diameter, Inlet/Outlet tubing	9.53 mm (3/8")

## Ordering Information

Description	Cat. No.
RephiDuo PreFilter Support (no cartridge)	RW50211KT
RephiDuo PreFilter cartridges, 4/pack	LAB02CP04



## Main Applications

- Feed water pretreatment for bench-top water purification systems
- General water purification for any instrument that requires softened, particle removed or chlorine free water

Bottle washing machines

Ice makers

Rotary evaporators

Water bath systems

