62641 - TF1 Complete System Filter 22mm With Valves

A high-performance in-line system filter for central heating and heat pump systems. It utilizes a sealed, lidless design for increased reliability and strength, with full bore valves to ensure maximum efficiency and performance on a heat pump system.

This simple to install, composite plastic filter fits onto vertical and horizontal pipework, and works by allowing Hydronic Particle Separation (HPS) action to deliver contaminants to the unit's powerful magnet assembly for easy and safe removal.

- Pressure tested, innovative sealed unit design to maximise reliability and promote fast, easy cleaning via the drain valve
- Unique action, capturing a range of magnetic and non-magnetic debris through HPS technology
- The filter is supplied with full bore isolation valves with steel handles to maximise efficiency in Heat Pump and other higher flow rate systems
- Easy to install – fits on horizontal and vertical pipework orientation
- Durable and robust construction, made from a high quality glass reinforced engineering polymer with brass on plastic manifold

Packaging, Handling & Safety

As with all magnetic products, if you have an implanted cardiac device extra caution should always be taken when handling any magnetic filter.
Individually packaged, with instructions included. No special storage requirements.

Specification

Filter Body – Glass filled, engineering polymer
Manifold – Nickel plated brass and glassed filled engineering polymer
Drain Valve – Nickel plated brass
Circlip – Stainless Steel
Seals & Washers – EPDM

Copyright Fernox © 2026

Performance

Suitable Fluids:
Water
Inhibited Glycol Solutions
Fernox Chemical Range / System Additives
Maximum Percentage of Glycol - 50%

Maximum Working Pressure – 5 bar
Maximum flow rate - 50 L/min
Maximum Working Temperature - 100ºC
Capture Rate - Up to 100% of system contaminates

Operating Principle - Contaminated water enters the filter via the manifold, carrying a variety of system debris and particulate matter held in suspension. This debris, including ferrous impurities such as Magnetite, moves through the manifold and into the main body of the filter.
Water is forced down towards the bottom of the filter due to the engineered flow characteristics created within the filter by the Hydronic Particle Separator (HPS). The HPS action helps to disrupt any dirt particles held in suspension by the water, as well as direct these particles towards an engineered area of low flow at the base of the filter.
The dynamic flow of the water within the filter also allows ferrous impurities to be captured by the high-powered magnet assembly.
To exit the filter, water must pass over the magnet sheath and around the HPS, then out of the manifold. In this way, system debris has difficulty escaping the unit, and is either trapped in the area of low flow, or captured by the powerful magnet, meaning clean water exits the filter.
Any dirt collected within the filter can then be discharged by removing the magnet from the sheath and opening the drain valve. This procedure is shown in the cleaning guide and does not require system shutdown or the filter to be disassembled.

Volumetrics & Barcodes

Barcode EAN	5014551626416	OCU Barcode	05014551003279
Single Unit Weight (kg)	1.66	Outer Carton Weight (kg)	6.88
Single Unit Height (mm)	115	Outer Carton Height (mm)	241
Single Unit Width (mm)	255	Outer Carton Width (mm)	362
Single Unit Depth (mm)	180	Outer Carton Depth (mm)	268

Last Modified	2026-10-01T08:31:21.474000

Copyright Fernox © 2026