



# TORISHIMA

Fluid Power

## Filter Trolleys



All filter trollies have been designed and manufactured in the UK and are available from stock.



WIND



TIDAL



HYDRO



RENEWABLE



DEFENCE



SUBSEA



PETROCHEMICAL



AUTOMOTIVE



HEAVY PLANT



AEROSPACE



OFF-SHORE



NUCLEAR

# Applications

Torishima Fluid Power has developed the FT range of filter trolleys which are the best way of transferring fluid from barrels and cleaning fluid in reservoirs. Fluid should always be pre-filtered in any system, even oil from a new barrel. This is because 90% of oil from a drum does not meet the manufacturer's ISO cleanliness level for a hydraulic system. Whilst handling or storing the fluid, both particulate and water contamination could have been added to the new fluid.

The FT series are designed for use on hydraulic and lubrication systems. A filter trolley is a vital part of any contamination control process, ensuring clean oil is transferred into the reservoir and providing a backup when contamination is discovered. Many of our customers have used the trollies

for thoroughly cleaning their oil as the filters fitted on their systems are not effective enough. The trollies provide consistent flow at a consistent pressure which are the best conditions for efficient and effective filtration.

Torishima's filter trolleys make use of two spin on can type filters to maximise the dirt holding capacity but to also make changing the cans easy for the operator. In addition there is the option of water removal elements. Our first trolley was designed in 2007 and is still in operation today as part of our hire fleet demonstrating our robust design.

Using a Torishima Filter trolley is the most cost effective way of protecting your hydraulic or lubrication system from contamination.

Features	Benefits
A wide range of flow capabilities	Can be used in many applications
Dual Filters	Two stage filtration, easy to change filters & high dirt holding capacity for fewer element changes
Water removal elements available	Removes "free water from a system"
Hand held version for small flows	Easy to carry around onsite
Robust design	Will operate reliably for many years
Puncture proof wheels	No need for pumping up the tyres periodically
Modular design	Quick & inexpensive changes can be made to increase the flow and change the filtration
Motor power higher than other carts	Ensures the pump does not stall with viscous fluids. The Torishima trolley can comfortably filter fluids up to 250 cSt viscosity

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APPLICATIONS



*Try before you buy...*

# Features



Clear hoses

Visual gauge indicator to show filter blockage

Design allows for multiple micron filtration options

Tyres that will never run flat.

Modular design so that filter cans can be changed for different media, including water removal.

Two spin on filters for high dirt holding capacity

Robust components for a very long service life

Available in both single and 3 phase. As well as NEMA standard for North America.

Hand held with a rubber grip. Particularly useful onsite or carrying around in vans.



Visual indication shows when the filter needs changing.

Absolute micron mesh for better element life

Plug and play

rent one of our trollies.

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FEATURES



# Hand Carried Trolley

Our hand carried trolley with the following features.

## FT105

- 13 l/min flow
- 25 micron and 10 micron cans installed
- 0.37 kW 240 V, 1 phase 50 Hz motor
- 3 metre hoses and 500mm dip pipes
- 3 meters of electrical cable and 3 pin connector



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HAND CARRIED  
TROLLEY



*Rental options available...*

# Robust Trolleys

Our robust trolley with the following features.

## FT106

- 18 l/min flow
- 25 micron and 10 micron cans installed
- 0.75 kW 240 V, 1 phase 50 Hz motor
- 4 metre hoses and 1000mm dip pipes
- 4 meters of electrical cable and 3 pin connector

## FT107

- 23 l/min flow
- 25 micron and 10 micron cans installed
- 1.1 kW 240 V, 1 phase 50 Hz motor
- 4 metre hoses and 1000mm dip pipes
- 4 meters of electrical cable and 3 pin connector

## FT108

- 40 l/min flow
- 25 micron and 10 micron cans installed
- 1.5 kW 240 V, 1 phase 50 Hz motor
- 4 metre hoses and 1000mm dip pipes
- 4 meters of electrical cable and 3 pin connector



*hire daily... weekly... monthly...*

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ROBUST  
TROLLEY

# Specification

## Material Construction

*Trolley Frame:* 2 Pack Epoxy coated steel

*Tyres:* Rubber (never goes flat)

*Filter Assembly:* Aluminium head, steel cans

*Blockage Indication:* Visual 2.5 Bar

*Hoses:* Reinforced synthetic

*Dip Pipes:* Carbon steel

## Suitable fluids

Standard hydraulic fluids

## Weight

- FT105 = 20kg
- FT107 = 80kg
- FT106 = 78kg
- FT108 = 86kg

## Electric motor specifications

50Hz – 1450 rpm (4 pole)

50Hz – 3000 rpm (6 pole)

## Recommended viscosity range

Suitable for viscosities up to 250 centistokes.

## Pump Specifications

External gear pump with a 6 Bar check valve to protect the pump from over pressurising.

## Options

- 110 VAC 1 phase motors.
- Range of filter elements from 90 micron to 3 micron
- Water removal elements
- Inline contamination monitor for live cleanliness readings.

**FT105**



230mm

700mm

**FT106, FT107 & FT108**



1200mm

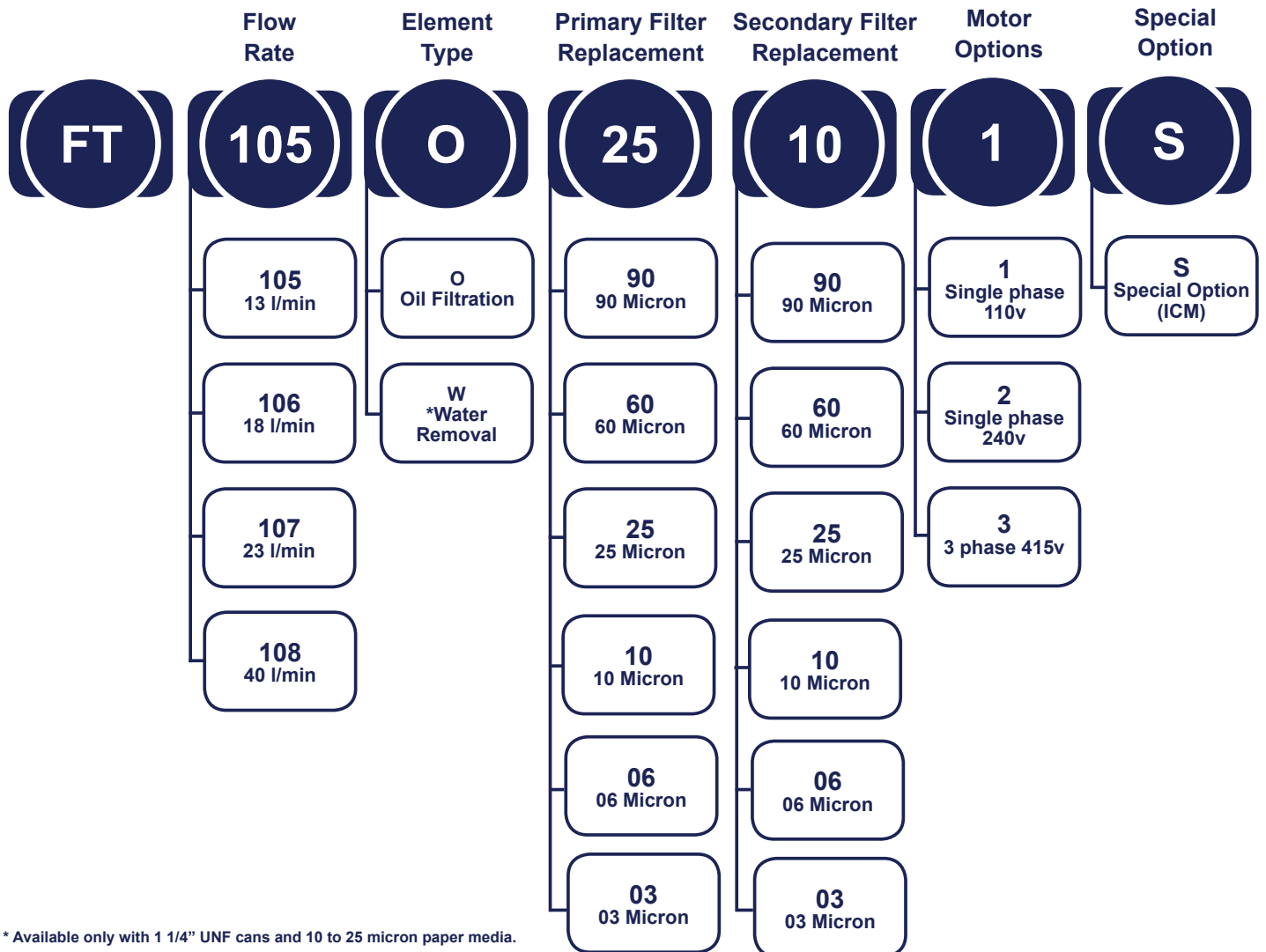
550mm

560mm

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SPECIFICATION

# Ordering Options



To order call us today +44 (0)1926 420847  
or email [salestfp@torishima.co.uk](mailto:salestfp@torishima.co.uk)

## Rental Options

- FT105 – £140 per week
- FT106 – £210 per week
- FT107 – £250 per week
- FT108 – £290 per week

Price includes one set of spare elements.

*Hire daily, weekly, monthly... call us on  
+44 (0) 1926 420847 with your requirement.*

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ORDERING & RENTAL  
OPTIONS





# TORISHIMA

## Fluid Power



Designed and manufactured  
in the UK

### Hydraulics Systems



### Lubrication Systems

### Maintenance & Service Support



### Water Hydraulic Valves

### Components & Spares

We are a division of Torishima Service Solutions Europe.

**Other divisions:**

- Coatings Division – supplying high quality coatings for aggressive environments
- Mechanical Division – on site and in workshop pump overhauls
- Spares Division – provide spares for Torishima’s installed pumps



Popular ranges are held in stock, offering same day delivery at competitive prices

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