

# HOMELAND SECURITY

World Leader in Supplying  
HOMELAND SECURITY Equipment and Training

## WATER PURIFICATION SYSTEM

TA10031



\*Image is for illustration purposes only

### INNOVATIVE

Filament fibres can be back-washed fully automatically

### EFFECTIVE

Removes the smallest particles for safe pre-filtration

### COMPACT

A new class in size and filtration performance

ONE STOP SHOP

#### CONTACT US

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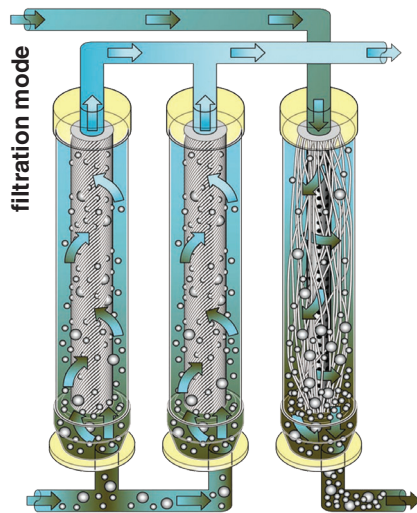


## AN INNOVATION IN FILTRATION

The WATER PURIFICATION SYSTEM is a patented filter equipped with a special synthetic fibre. It is the first self-cleaning, back-washable fine filter capable of meeting all filtration challenges up to a size of approx. 1 µm. The FilaTwist is ideal as a pre-filter for all membrane filtration processes. Due to its fully automatic control system, it can function on its own. Its light-weight construction, continuous operation capacity and high filtration capacity make it superior to conventional filters.

### WATER PURIFICATION PRINCIPLE

Filament fibres are twisted against each other forming a filter through which dirty water is cleaned. For backwashing, the filter fibres are loosened and rinsed creating a new filter. The recurring self-cleaning process guarantees a long life span for the machine.



A comparison between FilaTwist 4000 and conventional filtration systems

	Filter exchange	Size/weight	Rinsing water	Operating
FilaTwist	++	++	+	++
Bag/cartridge filter	--	+	++	-
Media filter	++	--	--	-
Micro ultra-filtration	++	--	-	-

	Possible applications	Extension
WTC 500/1000	●	●
WTC 1600/3000	●	●
WTC 3200/6000	●*	●*
WTC 2000/5000 HS	●*	

\* Double filter

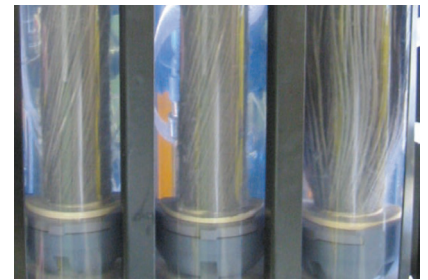
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## TECHNICAL DATA

Part no.	1.539-001.0
Filter mesh	1 $\mu$ m
Filter material	Kärcher filament
Performance	max. 4000 l/h
Connected load	< 200 W / 230 V 50 Hz
Dimensions (l x w x h)	900 mm x 450 mm x 895 mm
Weight	110 kg



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