

# Guardian

## Portable Hydraulic Filtration Systems

Max. 15 l/min - 3.4 bar



### Making portable system cleanliness available all the time

#### A 'use anywhere' fluid transfer solution

The Guardian portable filtration system is designed to 'clean' new oil and deliver it to a system or carry out a clean up of used fluid to its original condition. Maximum pressure 3.4 bar. Maximum flow 15 l/min. A water removal element option is also available.



### Contact Information: Product Features:

Parker Hannifin  
**Hydraulic Filter Division Europe**

**European Product  
Information Centre**  
**Freephone: 00800 27 27 5374**  
(from AT, BE, CH, CZ, DE, EE, ES,  
FI, FR, IE, IT, PT, SE, SK, UK)  
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[www.parker.com/hfde](http://www.parker.com/hfde)

- Guardian is designed to 'clean' new oil and deliver it to a system.
- Carries out a clean up of existing fluid to its original condition.
- Maximum pressure 3.4 bar. Maximum flow 15 l/min.
- Filters petroleum based oils, water emulsions and diesel fuels.

# Guardian

## Portable Hydraulic Filtration Systems

### Features & Benefits

Features	Advantages
Portable and robust design	Guardian is designed to be used anywhere. Take it to the system or transfer new oil from the drum.
Lightweight design	Only 10.6 kg
Quick disconnect hose connections	Storage is simple. Guardian's compact design means it is easily stowed.
Visual indicator	Operational condition is constantly monitored
110VAC or 220/240VAC options	Guardian's power flexibility means it can be used anywhere.
A range of clean-up elements	A user can specify the media that will best achieve his clean up/filtering requirements.
Water removal element option	Water removal from the system is an important requirement for fluid efficiency.

Note: 15 l/min / Fluid transfer at a controlled rate

- Fluid transfer
- Offline reservoir clean-up
- Injection moulding machines
- Royal navy surface fleet systems
- Paper mills
- Industrial equipment
- Mobile equipment
- Marine system support

### The Parker Filtration Guardian portable filtration systems.

Guardian is a portable filtration system with two main functions: to ensure that new 'dirty' fluid often contaminated during handling, is delivered to the system at a specific cleanliness; and to permit periodic clean up of existing fluid to original condition.

**Recommended fluids: Petroleum based oils, water emulsions and diesel fuels.**

### Application Example

A hydraulic system reservoir had become heavily contaminated and the hydraulic system was in danger of a catastrophic failure from particulate and water contamination. These contaminants were introduced from various points – airborne, wear and introduction of new 'dirty' fluids. The Guardian filtration system was installed into the hydraulic systems reservoir and run completely off-line for a period of time until acceptable contamination levels were achieved.

This off-line attachment allowed the hydraulic system to continue operating without costly downtimes. Additionally a Water Removal (WR) Element was also fitted to the Guardian, which radically reduced the water contamination within the entire system.

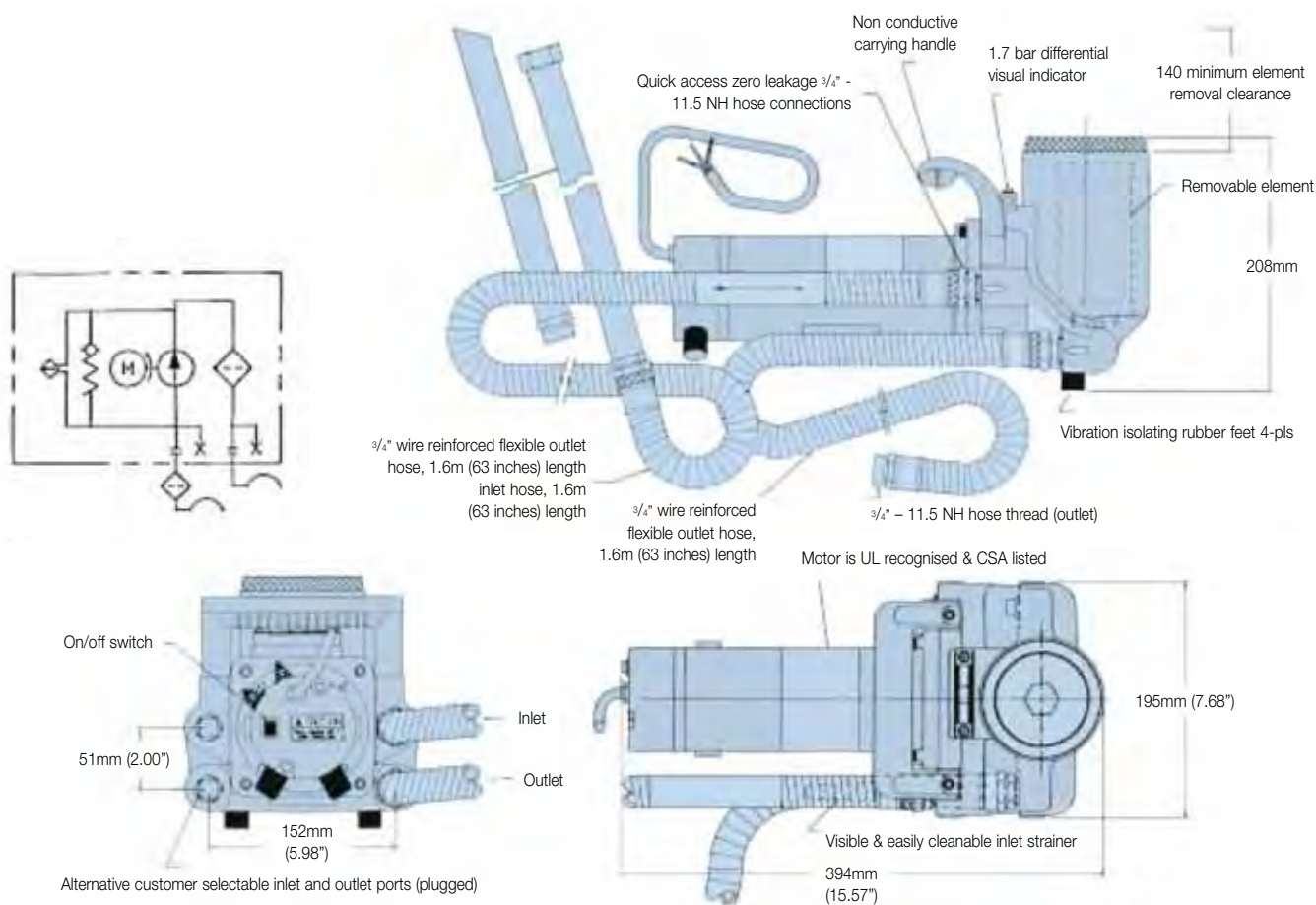
This customer will 'only now' introduce new fluids into his hydraulic application by using the Guardian filtration system and in addition utilises the Guardian off-line option to maintain and protect his system.

Contamination levels are monitored by an LCM202022 which controls the Guardians operation.

Result: reliability and complete confidence restored.



## Specification



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### Ordering Information and Product Configurator

#### Standard products table

Part number	Supersedes	Model (fluorocarbon)	Motor option	Element (μ)	Options	Plug type	Replacement element
<b>GT4E110Q1UK</b>	F3-GT4E-1-10Q-1-UK	GT4E	1	10Q	1	UK	<b>G04396Q</b>
<b>GT4E110Q1EUR</b>	F3-GT4E-1-10Q-1-EUR	GT4E	1	10Q	1	EUR	<b>G04396Q</b>
<b>GT4E210Q1IND</b>	F3-GT4E-2-10Q-1-IND	GT4E	2	10Q	1	IND	<b>G04396Q</b>

Note 1: Motor Options\*

Option 1 = 220/240 VAC

Option 2 = 110 VAC.

Note 2: Plug Type\*\*

IND = Industrial 110VAC UK Option.

Note 3: (Options) Quick disconnect hose connections are available. Consult Parker.

#### Replacement elements

Guardian replacement elements to ISO16889		
Part number	Media code	Media type
<b>G04396Q</b>	10Q	Microglass III
<b>G04394Q</b>	02Q	Microglass III
<b>G04395Q</b>	05Q	Microglass III
<b>G04397Q</b>	20Q	Microglass III
<b>G04400</b>	25	Wire mesh
<b>G04401</b>	40	Wire mesh
<b>G04402</b>	74	Wire mesh
<b>932019</b>	WR	Water removal

Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.

Note 2: Alternate displayed part number selection will require you to contact Parker Filtration for availability.