

GLF TROLLEY

Portable Filtration Trolley

The portable GLFTrolley removes free water and contaminants from hydraulic liquid. It is important to filter hydraulic fluids before use as they can contain high levels of contaminants. If not polished or cleaned, contaminants can significantly impact system performance and cause damage to critical components.

The GLFTrolley has been designed as a versatile solution for a wide range of offline filtration applications. The compact, powerful and robust units are designed to support preventative maintenance by purifying existing hydraulic and lubrication oil systems, or when transferring oils.

The GLFTrolley uses high-quality components, making it suitable for purifying small and medium-sized systems in a short amount of time, as well as for permanent offline filtration on large hydraulic systems.

The GLFTrolleys offer high nominal flow rates of 20 l/min or 5.2 US GPM, and 40 l/min or 10.6 US GPM, respectively, using high-quality gear pumps and energy-efficient, high-performance single phase motor that are suitable for continuous duty cycle. Additionally, these units are highly flexible in their use, as they can be utilized as either mobile or stationary offline filtration solutions.



Features

- Small footprint, lightweight and easy to transport
- High nominal flow rates of 20 lpm / 5.2 US GPM & 40 lpm / 10.6 US GPM
- iCount PD for real time fluid condition monitoring
- High-quality Parker gear pumps
- Energy-efficient, high-performance single-phase motor (230VAC, 1.1Kw)
- Pre filter / strainer
- Filter bypass (fluid transfer mode)
- Flexible EZ-Form Hose (2meters)
- Steel wand (1meter)
- Removable oil drip tray for residual oil and easy cleaning
- iProtect^(R) GLF33 filter with 10 µm fiberglass media provides high dirt holding capacity and filtration performance
- CE EU Declaration of Conformity:
 - Machinery Directive (MD) (2006/42/EC)
 - Electromagnetic Compatibility Directive (EMC) (2014/30/EU)
 - The Restriction of Hazardous Substances Directive (RoHS) (2011/65/EU)



Applications

The GLFTrolley is the ideal way to prefilter and transfer fluids into reservoirs or to clean up existing systems. Fluid should always be filtered before being put into use. New fluid is not necessarily clean fluid. Most new fluids (right out of the drum) are unfit for use due to high initial contamination levels. Contamination, both particulate and water, may be added to a new fluid during processing, mixing, handling and storage. Using a Parker portable GLFTrolley is the most economical way to protect your system from the harm that can be caused by contamination.

- Filtering new fluid before putting into service
- Transferring fluid from drums or storage tanks to system reservoirs
- Conditioning fluid that is already in use
- Complimenting existing system filtration
- Removing free water from a system
- For use with fluids such as hydraulic, gear and lube oils

Technical Specification

General	Max. Working Viscosity / Nominal Flow Rates ¹ / Max. pressure	400 cSt / 20 lpm / 10 bar	GLFT2010QIBNN GLFT2010QIB3WN
		250 cSt / 40 lpm / 10 bar	GLFT4010QIBNN GLFT4010QIB3WN
		108 cSt / 40 lpm / 10 bar	GLFT4010QIB3WIPD
	Particle Detection (GLFT4010QIB3WIPD only)	ISO 4406 Code 7 to 22 Parker iPD used for particle detection ²	
	Fluid Compatibility	Mineral and synthetic oils	
Environment	Environmental Temperature	0 °C to 45°C	
	Fluid Temperature	Max 70°C (Minimum temperature acc. to maximum working viscosity) ³	
	Ingress Protection	IP55	
	Altitude ¹	0 to 500 m	
Filtration	1 Stage Filtration (Inlet)	850 µm	GLFT2010QIBNN GLFT4010QIBNN GLFT2010QIB3WN GLFT4010QIB3WN
		125 µm	GLFT4010QIB3WIPD
	2 Stage Filtration (Outlet)	10 µm standard	
	Element Bypass Valve	Opens at 3.5 bar	
	Clogging Indicator	Visual indicator 2.5 bar	
	Magnetic Column	Standard	
Electrical	Input Voltage	~230 V	
	MPCB set value	~5 A	
	Plug	EU (Type F) and UK (Type G)	
Materials	Wetted Flow Path	FKM, NBR, CPE Rubber, Brass, Stainless steel (iPD) Aluminium and Structural steel	
CE Certification	Directives	Machinery Directive (MD) (2006/42/EC) Electromagnetic Compatibility Directive (EMC) (2014/30/EU) The Restriction of Hazardous Substances Directive (RoHS) 2002/95/EC	

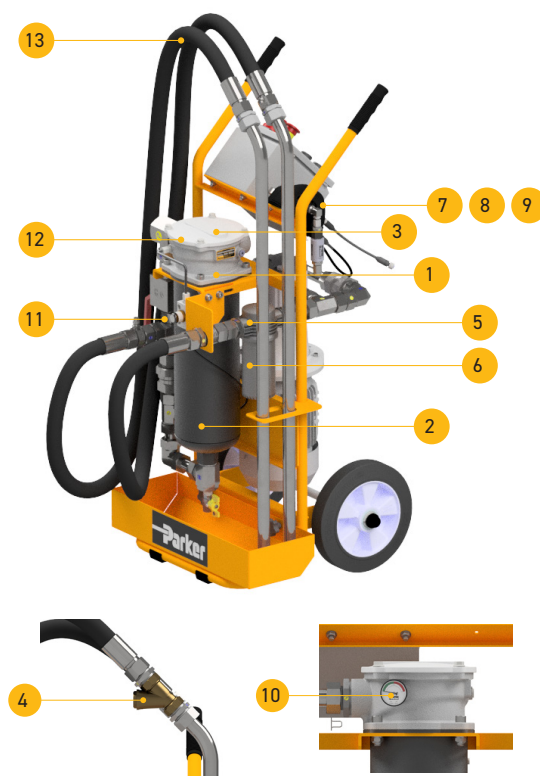
¹ Product flow rate will be affected by both altitude and temperature.

² Refer to iPD manual for product specifics.

³ The product is not recommended to operate outside of this range.

GLFTrolley Spare Part List

Key	Part No.	Description	Qty
1	GLF3310QIBP2KG20M	Main Filter	1
2	930000372	Main Filter Bowl	1
3	944882Q	Replacement Element Main Filter	1
4	930000373	Y-Strainer (non-IPD Variant)	1
5	IL761151	Prefilter (IPD Variant)	1
6	R.76115	Element for Prefilter IL761151	1
7	IPD12322230	iCount PD	1
8	930000375	iCount Power Cable	1
9	ACC6NH001	iCount Hoses	2
10	FMUG2JBPG02L	Pressure Gauge	1
11	FMUM3KVMU12H	Visual Indicator	1
12	GLFSK300	Seal Kit GLF3 NBR	1
13	930000374	Hose	2



GLFTrolley Variants

Variant	Part #	Nominal Flow Rate	Max. Fluid Viscosity	Prefilter	Main Filter	Main Filter By-Pass Valve	Particle Detection
Basic	GLFT2010QIBNN	20 L/min	400 cSt	850 µm	10 µm	No	No
	GLFT4010QIBNN	40 L/min	250 cSt	850 µm		No	No
3-Way Valve	GLFT2010QIB3WN	20 L/min	400 cSt	850 µm		Yes	No
	GLFT4010QIB3WN	40 L/min	250 cSt	850 µm		Yes	No
iPD	GLFT4010QIB3WIPD	40 L/min	108 cSt	125 µm		Yes	Yes

Spare Elements (Nitrile) with Bypass setting 3.5 bar

Media	Item #	Description
20QI	944885Q	GLF33 20QI B B35 LP
10QI	944882Q	GLF33 10QI B B35 LP
05QI	944879Q	GLF33 05QI B B35 LP
02QI	944876Q	GLF33 02QI B B35 LP
WR	945038Q	GLF33 WR B B35 LP

