Mobile Filtration Units

Available with a flow rate up to 50 L/min





PASSION TO PERFORM



System Cleaning Requireme	nts			
Typical Hydraulic Applications	Cleanliness C	lass Required	Outlet Filter Requ	iired
Component Types	IS04406	NAS1638	Туре	Element Types
High-precision and laboratory servo-systems	14/12/9	3	3 Micron absolute	A03
Robotic and servo-systems	17/15/11	6	3-6 Micron absolute	A03, A06
Very sensitive high-reliability systems	18/16/13	7	10-12 Micron absolute	A10, A16
Sensitive, reliable systems	20/18/14	9	12-15 Micron absolute	A10, A16
General equipment	21/19/16	10	15-25 Micron absolute	A16, A25
Low-pressure equipment not in continuous use	23/21/18	12	25-40 Micron absolute	A25

Approximate S	System Cle	eaning Tin	nes					
GRF 100								
Reservoir Capacity (litres)	100	200						
Cleaning time (mins/hours)	1hr	2hrs						
GRF 261								
Reservoir Capacity (litres)	100	200	400					
Cleaning time (mins/hours)	30mins	45mins	1hr 30mins					
GRF / GRM 302								
Reservoir Capacity (litres)	100	200	400	600				
Cleaning time (mins/hours)	20mins	40mins	1hr 20mins	2hrs				
GRF / GRM 503								
Reservoir Capacity (litres)		200	400	600	800	1000	1200	1500
Cleaning time (mins/hours)		30mins	45mins	1hr	1hr 15mins	2hrs	3hrs 30mins	4hrs 30mins

Clean-up rates based on an initial contamination rating of ISO 4406 23/21/19 (NAS 1638 Class 12) to 17/15/12 (NAS Class 6) Using MTD - Please note more than one element might be required

Filter Options

Туре	Description	Nominal Water Removal Spin-on CW100	Nominal Water Removal Spin-on CW150	Nominal and Absolute Spin-on CS100	Nominal and Absolute Spin-on CS150	Absolute LMP Length 5 Element CU4005	Absolute LMP Length 1 Element CU2101
GRF100	10 Lpm hand held	•	•	•	•		
GRF261	26 Lpm hand held	•	•	•	•		
GRF/GRM302	30 Lpm sack truck	•	•	•	•		
GRF/GRM302 (L4305)	30 Lpm high DHC					•	
GRF/GRM302 (SP L4305)	30 Lpm high DHC with additional spin-ons	•	•	•	•	•	
GRF/GRM302 SW	30 Lpm sack truck - water glycol version						•
GRF/GRM503 (L4305)	50 Lpm high DHC					•	
FTU111522	FTU 80I tank, spin on and high DHC	•	•	•	•	•	





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Mobile Filtration Unit

Mobile Filtration Unit Maximum working pressure up to 5 bar Flow rate up to 10 L/min

A highly portable oil transfer/filtration unit, designed for both filling/transferring hydraulic oils from containers to the hydraulic tank as well as filtering and cleaning hydraulic systems.

The unit utilises Spin-on standard cartridge (supplied as an option), available in two lengths, thus increasing the dirt-holding capacity and lowering the pressure drop of the unit.

Light and compact, the GRF 100 supports a wide range of medias and micron ratings to suit multiple applications.



Available features:

- 10 L/min Flow rate
- Continuous operation at 5 bar
- Light and portable
- Compact design
- Quick and easy to set up
- High-efficiency filtration
- Easy to maintain
- Comes with MPS100 filter head filters as standard
- Water removal (optional element)
- Compatible with mineral oil
- Electric control box
- Visual indicator
- Nitrile seals

Applications:

- Filling/transferring hydraulic oils from containers to the hydraulic tank
- Filtering and cleaning hydraulic systems.

Pump	Gear Pump
Electric Motor	0.37 Kw 110/230 Volt single phase electric motor
Flow Rate	10 L/min
Max Operating Pressure	5 bar
Viscosity Range	Min. operation 10 cSt Max. operation 120 cSt
Inlet Filter	250 µm metal mesh strainer
Outlet Filter	$1/3/6/10/25~\mu m$ ß>1000 flow through the element Out/In
Bypass Indicator set at 1.75bar	Visual clogging indicator gauge - pop-up manual reset.
Fluid Temperature	From 0° to +80°C
Ambient Temperature	From 0° to +45°C
Protection Class	IP 55
Seal	NBR
Fluid Compatibility	Mineral oil
Suction / pressure hose	SAE100R4 1" swaged female 2000mm hose SAE100R4 3/4" swaged female 2000mm hose
Dimensions	Weight: 18kg Dimensions: 697mm (H); 400mm (D); 215mm(W)
Equipment	N/A



GRF 100

Order example	GRF 10 0 1 M90	S
1. Model		
GRF= GRF Mobile Filtration Trolley		
2. Flow		
<u>10= 10 L/min</u>		
3. Electric Power		
0 = 0.37 kW		
4. Electric Motor		
1= 110v single phase		
2= 240v single phase		
5. Replacement Suction Element		
5. Replacement Suction Element M90= 250um suction strainer		
6. Filtration		
S= No filter fitted, to be ordered seperately		

Spin-on Filters

Filter element - Standard length: Inorga	nic microfiber element
CS 100 A01 A P01	1 µm absolute
CS 100 A03 A P01	3 µm absolute
CS 100 A06 A P01	6 µm absolute
CS 100 A10 A P01	10 µm absolute
CS 100 A25 A P01	25 μm absolute
Filter element - Standard length: Wire-n	nesh element
CS 100 M25 A P01	25 μm
CS 100 M60 A P01	60 μm
Filter element - Extended length: Inorga	nic microfiber element
CS 150 A01 A P01	1 µm absolute
CS 150 A03 A P01	3 µm absolute
CS 150 A06 A P01	6 µm absolute
CS 150 A10 A P01	10 µm absolute
CS 150 A25 A P01	25 μm absolute
Filter element - Extended length: Wire-n	nesh element
CS 150 M25 A P01	25 um
03 130 WZ3 A PUT	25 μm

Mobile Filtration Unit

Mobile Filtration Unit Maximum working pressure up to 5 bar Flow rate up to 26 L/min

GRF 261 mobile filtration units have been created for filling and refilling filtered hydraulic fluids and lubrication tanks.

The filter unit connected off-line to the tank (recommended maximum volume 400L), can be used as a support to the filtration plant on start-up for fast flushing action, or as additional filtration for systems with a high incidence of contamination.

Light and compact, the GRF 261 supports a wide range of medias and micron ratings to suit multiple applications.

Available features:

- 26 L/min Flow rate
- Continuous operation at 5 bar
- Light and portable
- Fast clean-up times
- Compact design
- Quick and easy to set up
- High-efficiency filtration
- Easy to maintain
- Comes with MPS100 filter head filters as standard
- Water removal (optional element)
- Compatible with mineral oil
- Electric control box
- Visual indicator
- Nitrile seals

Applications:

- Filling/transferring hydraulic oils from containers to the hydraulic tank
- Filtering and cleaning hydraulic systems.



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Pump	Gear Pump
Electric Motor	0.55 Kw 110/230 Volt single phase electric motor
Flow Rate	26 L/min
Max Operating Pressure	5 bar
Viscosity Range	Min. operation 10 cSt Max. operation 120 cSt
Inlet Filter	250 µm metal mesh strainer
Outlet Filter	$1/3/6/10/25~\mu m$ ß>1000 flow through the element Out/In
Bypass Indicator set at 1.75bar	Visual clogging indicator gauge pop-up, manual reset.
Fluid Temperature	From 0° to +80°C
Ambient Temperature	From 0° to +45°C
Protection Class	IP 55
Seal	NBR
Fluid Compatibility	Mineral oil
Suction / Pressure hose	SAE100R4 1" swaged female 2000mm hose SAE100R4 3/4" swaged female 2000mm hose
Dimensions	Weight: 18kg Dimensions: 697mm (H); 400mm (D); 215mm(W)
Equipment	N/A

GRF 261

Order example		GI	RF	26	1	1	M25	0	S
1. Model									
GRF= GRF Mobile Filtration Trolley	-								
2. Flow									
26= 26 L/min									
	-								
3. Electric Power									
1= 0.50kW	_								
4. Electric Motor									
1= 110v single phase	_								
2= 240v single phase	_								
5. Replacement Suction Element									
M250= 250um suction strainer	_								
6. Filtration	I								
S= No filter fitted, to be ordered seperately									_

Spin-on Filters

Filter element - Standard length: Inorgan	nic microfiber element
CS 100 A01 A P01	1 µm absolute
CS 100 A03 A P01	3 µm absolute
CS 100 A06 A P01	6 μm absolute
CS 100 A10 A P01	10 μm absolute
CS 100 A25 A P01	25 µm absolute
Filter element - Standard length: Wire-m	nesh element
CS 100 M25 A P01	25 μm
CS 100 M60 A P01	60 μm
Filter element - Extended length: Inorga	nic microfiber element
CS 150 A01 A P01	1 µm absolute
CS 150 A03 A P01	3 μm absolute
CS 150 A06 A P01	6 μm absolute
CS 150 A10 A P01	10 µm absolute
CS 150 A25 A P01	25 µm absolute
Filter element - Extended length: Wire-n	nesh element
CS 150 M25 A P01	25 μm
CS 150 M60 A P01	60 μm

Available with ICM 2.0 In-line Contamination Monitor

Mobile Filtration Unit

Mobile Filtration Unit Maximum working pressure up to 5 bar Flow rate up to 30 L/min

Compact and simple to use, the GRF and GRM302 mobile filtration units enable service teams to clean oil and hydraulic fluids quickly and easily - protecting complex components, machines and systems from particulate contamination.

GRF/GRM 302 units are ideal for filling and filtering hydraulic fluids and lubrication tanks.

The unit can be connected off-line to the tank (recommended max volume of 500 L), and can be used as a support to the filtration plant on start-up for fast flushing or as an additional filtration system for highly contaminated systems.

Available features:

- 30 L/min Flow rate
- Continuous operation at 3.5 bar
- Compact size
- Comes with MPS100 filter as standard optional LMP4305 filter
- Water removal (optional element)
- Compatible with mineral oil
- Electric control box
- Calibrated to relevant ISO standards (GRM only)
- Electric control box
- Visual electrical indicator
- Nitrile seals
- ICM included for real-time monitoring (GRM only)
- Data logging and storage of up to 4000 test results in memory (GRM only)

Applications:

- Filling and filtering hydraulic fluids and lubrication tanks
- Filter unit can be connected off-line to the tank (recommended max volume 500 L), and can be used as a support to the filtration plant on start-up for fast flushing action - or as an additional filtration system for highly contaminated systems



PumpGear Pump or Screw Pump (for diesel)Electric Motor0.75 Kw, 1400rpm, 110V/240V single phase, 415V three-phaseFlow Rate30 L/minMax Operating Pressure3.5 barViscosity RangeMaximum 150 cStInlet Filter100 mesh washable as standardOutlet Filter1/3/6/10/25 μm β>1000 flow through the element Out/InBypass Indicator set at 1.75barRating 3.5 bar with bypass (LMP) 1.75 bar bypass (MPS) Visual/electrical indicator (on LMP) set at 2 barFluid TemperatureFrom -10° to +80°CAmbient TemperatureFrom 0° to +45 °CProtection ClassIP 55SealNBRFluid CompatibilityMineral oil and diesel oil variantsSuction and hoseSAE100R4 1" swaged female 2000mm hose - available with lancesDimensionsGRF - 75kg, 860mm (H); 560mm (D); 500mm (W) GRM - 80kg, 860mm (H); 560mm (D); 500mm (W)EquipmentICM 2.0 Version available (GRM Models)		
phase, 415V three-phase Flow Rate 30 L/min Max Operating Pressure 3.5 bar Viscosity Range Maximum 150 cSt Inlet Filter 100 mesh washable as standard Outlet Filter 1/3/6/10/25 µm ß>1000 flow through the element Out/In Bypass Indicator set at 1.75bar Rating 3.5 bar with bypass (LMP) 1.75 bar bypass (MPS) Visual/electrical indicator (on LMP) set at 2 bar Fluid Temperature From -10° to +80°C Ambient Temperature From 0° to +45 °C Protection Class IP 55 Seal NBR Fluid Compatibility Mineral oil and diesel oil variants Suction and hose SAE100R4 1" swaged female 2000mm hose - available with lances Dimensions GRF - 75kg, 860mm (H); 560mm (D); 500mm (W) GRM - 80kg, 860mm (H); 560mm (D); 500mm (W)	Pump	Gear Pump or Screw Pump (for diesel)
Max Operating Pressure 3.5 bar Viscosity Range Maximum 150 cSt Inlet Filter 100 mesh washable as standard Outlet Filter 1/3/6/10/25 μm β>1000 flow through the element Out/In Bypass Indicator set at 1.75bar Rating 3.5 bar with bypass (LMP) 1.75 bar bypass (MPS) Visual/electrical indicator (on LMP) set at 2 bar Fluid Temperature From -10° to +80°C Ambient Temperature From 0° to +45 °C Protection Class IP 55 Seal NBR Fluid Compatibility Mineral oil and diesel oil variants Suction and hose SAE100R4 1" swaged female 2000mm hose - available with lances Dimensions GRF - 75kg, 860mm (H); 560mm (D); 500mm (W) GRM - 80kg, 860mm (H); 560mm (D); 500mm (W)	Electric Motor	
Viscosity Range Inlet Filter 100 mesh washable as standard 1/3/6/10/25 µm ß>1000 flow through the element Out/In Bypass Indicator set at 1.75bar Rating 3.5 bar with bypass (LMP) 1.75 bar bypass (MPS) Visual/electrical indicator (on LMP) set at 2 bar Fluid Temperature From -10° to +80°C Ambient Temperature From 0° to +45 °C Protection Class IP 55 Seal NBR Fluid Compatibility Mineral oil and diesel oil variants SAE100R4 1" swaged female 2000mm hose - available with lances Dimensions GRF - 75kg, 860mm (H); 560mm (D); 500mm (W) GRM - 80kg, 860mm (H); 560mm (D); 500mm (W)	Flow Rate	30 L/min
Inlet Filter 1/3/6/10/25 µm β>1000 flow through the element Out/In Bypass Indicator set at 1.75bar Rating 3.5 bar with bypass (LMP) 1.75 bar bypass (MPS) Visual/electrical indicator (on LMP) set at 2 bar Fluid Temperature From -10° to +80°C Ambient Temperature From 0° to +45 °C Protection Class IP 55 Seal NBR Fluid Compatibility Mineral oil and diesel oil variants Suction and hose SAE100R4 1" swaged female 2000mm hose - available with lances Dimensions GRF - 75kg, 860mm (H); 560mm (D); 500mm (W) GRM - 80kg, 860mm (H); 560mm (D); 500mm (W)	Max Operating Pressure	3.5 bar
Outlet Filter 1/3/6/10/25 µm ß>1000 flow through the element Out/In Bypass Indicator set at 1.75bar Rating 3.5 bar with bypass (LMP) 1.75 bar bypass (MPS) Visual/electrical indicator (on LMP) set at 2 bar Fluid Temperature From -10° to +80°C Ambient Temperature From 0° to +45 °C Protection Class IP 55 Seal NBR Fluid Compatibility Mineral oil and diesel oil variants Suction and hose SAE100R4 1" swaged female 2000mm hose - available with lances Dimensions GRF - 75kg, 860mm (H); 560mm (D); 500mm (W) GRM - 80kg, 860mm (H); 560mm (D); 500mm (W)	Viscosity Range	Maximum 150 cSt
element Out/In Rating 3.5 bar with bypass (LMP) 1.75 bar bypass (MPS) Visual/electrical indicator (on LMP) set at 2 bar Fluid Temperature From -10° to +80°C Ambient Temperature From 0° to +45 °C Protection Class IP 55 Seal NBR Fluid Compatibility Mineral oil and diesel oil variants Suction and hose SAE100R4 1" swaged female 2000mm hose - available with lances Dimensions GRF - 75kg, 860mm (H); 560mm (D); 500mm (W) GRM - 80kg, 860mm (H); 560mm (D); 500mm (W)	Inlet Filter	100 mesh washable as standard
1.75bar bypass (MPS) Visual/electrical indicator (on LMP) set at 2 bar Fluid Temperature From -10° to +80°C Ambient Temperature From 0° to +45 °C Protection Class IP 55 Seal NBR Fluid Compatibility Mineral oil and diesel oil variants Suction and hose SAE100R4 1" swaged female 2000mm hose - available with lances Dimensions GRF - 75kg, 860mm (H); 560mm (D); 500mm (W) GRM - 80kg, 860mm (H); 560mm (D); 500mm (W)	Outlet Filter	
Ambient Temperature From 0° to +45 °C Protection Class IP 55 Seal NBR Fluid Compatibility Mineral oil and diesel oil variants Suction and hose SAE100R4 1" swaged female 2000mm hose - available with lances Dimensions GRF - 75kg, 860mm (H); 560mm (D); 500mm (W) GRM - 80kg, 860mm (H); 560mm (D); 500mm (W)		bypass (MPS) Visual/electrical indicator (on LMP) set at
Protection Class Seal NBR Fluid Compatibility Mineral oil and diesel oil variants Suction and hose SAE100R4 1" swaged female 2000mm hose - available with lances Dimensions GRF - 75kg, 860mm (H); 560mm (D); 500mm(W) GRM - 80kg, 860mm (H); 560mm (D); 500mm (W)	Fluid Temperature	From -10° to +80°C
Seal Fluid Compatibility Mineral oil and diesel oil variants Suction and hose SAE100R4 1" swaged female 2000mm hose - available with lances Dimensions GRF - 75kg, 860mm (H); 560mm (D); 500mm (W) GRM - 80kg, 860mm (H); 560mm (D); 500mm (W)	Ambient Temperature	From 0° to +45 °C
Fluid Compatibility Mineral oil and diesel oil variants Suction and hose SAE100R4 1" swaged female 2000mm hose - available with lances Dimensions GRF - 75kg, 860mm (H); 560mm (D); 500mm(W) GRM - 80kg, 860mm (H); 560mm (D); 500mm (W)	Protection Class	IP 55
Suction and hose SAE100R4 1" swaged female 2000mm hose - available with lances Dimensions GRF - 75kg, 860mm (H); 560mm (D); 500mm(W) GRM - 80kg, 860mm (H); 560mm (D); 500mm (W)	Seal	NBR
hose - available with lances GRF - 75kg, 860mm (H); 560mm (D); 500mm(W) GRM - 80kg, 860mm (H); 560mm (D); 500mm (W)	Fluid Compatibility	Mineral oil and diesel oil variants
500mm(W) GRM - 80kg, 860mm (H); 560mm (D); 500mm (W)	Suction and hose	
Equipment ICM 2.0 Version available (GRM Models)	Dimensions	500mm(W) GRM - 80kg, 860mm (H); 560mm (D); 500mm
	Equipment	ICM 2.0 Version available (GRM Models)

GRF/GRM 302

Order example	GRF 30 2	1 M149 S
1 Model	_	
1. Model GRF= GRF Mobile Filtration Trolley		
GRM= GRM Mobile Filtration Trolley with ICM 2.0	_	
drivi — drivi viobile i ilitation froncy with fow 2.0	_	
2. Flow		
30= 30 L/min		
0.51		
3. Electric Power		
<u>2</u> = 0.75kW	_	
4. Electric Motor		
1= 110v single phase		
2= 240v single phase		
3= 415v 3 phase	_	
E Daniesement Custion Flowert		
5. Replacement Suction Element M149= 173um suction strainer		
NITTO IT JUIN SUCTION STRAING	_	
6. Filtration		
S= No filter fitted, to be ordered seperately	_	

Spin-on Filters

Filter element - Standard length: Inorga	nic microfiber element
CS 100 A01 A P01	1 µm absolute
CS 100 A03 A P01	3 µm absolute
CS 100 A06 A P01	6 µm absolute
CS 100 A10 A P01	10 µm absolute
CS 100 A25 A P01	25 µm absolute
Filter element - Standard length: Wire-n	nesh element
CS 100 M25 A P01	25 μm
CS 100 M60 A P01	60 μm
Filter element - Extended length: Inorga	nic microfiber element
CS 150 A01 A P01	1 µm absolute
CS 150 A01 A P01	1 µm absolute
CS 150 A01 A P01 CS 150 A03 A P01	1 μm absolute 3 μm absolute
CS 150 A01 A P01 CS 150 A03 A P01 CS 150 A06 A P01	1 μm absolute 3 μm absolute 6 μm absolute
CS 150 A01 A P01 CS 150 A03 A P01 CS 150 A06 A P01 CS 150 A10 A P01	 1 μm absolute 3 μm absolute 6 μm absolute 10 μm absolute 25 μm absolute
CS 150 A01 A P01 CS 150 A03 A P01 CS 150 A06 A P01 CS 150 A10 A P01 CS 150 A25 A P01	 1 μm absolute 3 μm absolute 6 μm absolute 10 μm absolute 25 μm absolute
CS 150 A01 A P01 CS 150 A03 A P01 CS 150 A06 A P01 CS 150 A10 A P01 CS 150 A25 A P01 Filter element - Extended length: Wire-n	1 μm absolute 3 μm absolute 6 μm absolute 10 μm absolute 25 μm absolute nesh element

Available with ICM 2.0 In-line Contamination Monitor

Mobile Filtration Unit

Mobile Filtration Unit Maximum working pressure up to 3.5 bar Flow rate up to 50 L/min

With fast cleaning times and the option of adding a state of the art ICM 2.0 particle counter, the GRF and GRM 503 mobile filtration units enable service teams to clean oil and hydraulic fluids quickly and easily - protecting complex components, machines and systems from particulate contamination.

GRF/GRM 503 units are ideal for filling and filtering hydraulic fluids and lubrication tanks. The unit can be connected off-line to the tank (recommended max volume of 1000 L), and used as a support to the filtration plant on start-up for fast flushing or as an additional filtration system for highly contaminated systems.



- 50 L/min Flow rate
- Continuous operation at 3.5 bar
- Portable
- Water removal (optional element)
- Quick and easy to set up
- Compatible with mineral oil
- Calibrated to relevant ISO standards (GRM only)
- Wide variety of communication protocols as standard
- Electric control box w/pressure safety switch
- Indicators: Outlet filter w/electric cut-out switch
- Nitrile seals
- ICM included for real-time monitoring (GRM only)
- Data logging and storage of up to 4000 test results in memory (GRM only)

Applications:

- Filling and filtering hydraulic fluids and lubrication tanks.
- Filter unit can be connected off-line to the tank (recommended max volume 1000 L), and can be used as a support to the filtration plant on start-up for fast flushing action - or as an additional filtration system for highly contaminated systems



Pump	Gear Pump or Screw Pump (for diesel)
Electric Motor	1.1Kw, 1400rpm, 110V/240V single phase, 415V three-phase
Flow Rate	50 L/min
Max Operating Pressure	3.5 bar
Viscosity Range	Maximum 150 cSt
Inlet Filter	250 µm Y type strainer
Outlet Filter	$3/6/10/16/25~\mu m$ ß>1000 flow through the element Out/In
Bypass Indicator set at 1.75bar	Rating 3.5 bar with bypass (LMP) 1.75 bar bypass (MPS) Visual/electrical indicator (on LMP) set at 2 bar
Fluid Temperature	From -10° to +80°C
Ambient Temperature	From 0° to +45 °C
Protection Class	IP 55
Seal	NBR
Fluid Compatibility	Mineral oil and diesel oil variants
Suction and pressure hose	SAE100R4 1" swaged female 2000mm hose - available with lances
Weight	GRF - 92kg, 1151mm (H); 816mm (D); 544mm(W) GRM - 97kg, 1151mm (H); 816mm (D); 544mm (W)
Equipment	ICM 2.0 Version available (GRM Models)

GRF/GRM 503		GRF	50	3	3	Y250	SPL4305
Order example							
1. Model GRF= GRF Mobile Filtration Trolley GRM= GRM Mobile Filtration Trolley with ICM 2.0							
2. Flow							
50= 50 L/min							
3. Electric Power							
3= 1.1 kW 4hp 1400rpm							
4. Electric Motor							
1= 110v single phase 2= 240v single phase							
2= 240v single phase 3= 415v 3 phase							
5. Replacement Suction Element							
Y250= 250um suction strainer							
6. Filtration							
S= Single Spin-on (option) plus LMP430 length 5 (standard)	-						
SP= Double Spin-on (option) plus LMP430 length 5 (standard) L4305= LMP4305 (standard)	-						
1000 (otaliaala)	-						

Filters

Filter element - Standard length: Inorganic microfiber element						
CS 100 A01 A P01	1 µm absolute					
CS 100 A03 A P01	3 µm absolute					
CS 100 A06 A P01	6 µm absolute					
CS 100 A10 A P01	10 μm absolute					
CS 100 A25 A P01	25 µm absolute					
Filter element - Standard length: Wire-mesh element						
CS 100 M25 A P01	25 μm					
CS 100 M60 A P01	60 μm					
Filter element - Extended length: Inorganic microfiber element						
CS 150 A01 A P01	1 µm absolute					
CS 150 A03 A P01	3 µm absolute					
CS 150 A06 A P01	6 µm absolute					
CS 150 A10 A P01	10 µm absolute					
CS 150 A25 A P01	25 µm absolute					
Filter element - Extended length: Wire-mesh element						
CS 150 M25 A P01	25 μm					
CS 150 M60 A P01	60 μm					
LMP Length 5 elements - Inorganic microfibre element						
CU 400 5 A03 A N P01	3 µm absolute					
CU 400 5 A06 A N P01	6 µm absolute					
CU 400 5 A10 A N P01	10 µm absolute					
CU 400 5 A16 A N P01	16 µm absolute					
CU 400 5 A25 A N P01	25 μm absolute					

Equipped with ICM 2.0 In-line Contamination Monitor

Mobile Filtration Unit

Fluid Transfer Unit 80 Litre onboard resevoir Flow rate up to 15 L/Min

Designed for filling; recirculation (via an onboard 80L reservoir), and emptying filtered hydraulic fluids and lubrication tanks.

The FTU can be utilised either as additional filtration for a system with a high incidence of contamination, or as a standalone recirculating filtration circuit to clean fluid to a predetermined cleanliness level - monitored by the onboard ICM - prior to transfer of fluid to the system.

Key features:

- Continuous operation at 3.5 bar
- Specialist onboard filtration unit
- Easy to maintain
- Large dirt-holding capacity
- Comes with LMP4305 and MPS100 spin on filters as standard
- Water removal spin on option
- Compatible with mineral oil
- Calibrated to relevant ISO standards ICM
- Electric control box
- Indicators: Outlet filter with electric cut-out switch
- Nitrile Seals
- ICM 2.0 included for real time monitoring
- Data logging and storage of up to 4000 test memory results

Applications:

- Low flowrate for filling of reservoirs
- Low flow filtration for off-line tanks
- Pre-filtration ability of fluid prior to filling of the hydraulic system
- Configuration with start / stop automatic motor cut-out from differential pressure indicator electrical / visual
- Configuration with start / stop phase inverter automatic motor cut-out from differential pressure indicator - electrical / visual



or Luii iuAi iun					
Pump	Gear Pump				
Electric Motor	0.75kW 1400rpm, 110/230V single phase				
Flow Rate	15 L/min				
Max Operating Pressure	3.5 bar				
Inlet	Inlet (pump protection) filtration steel 250µm Y-type strainer				
Viscosity Range	Maximum 150 cSt				
Tank Filter	250 µm metal mesh suction strainers				
Outlet Filter	In-line filtration 3 µm absolute ß 1000 element bypass set at 3 bar.				
Bypass Valve	Rating 3.5 bar with bypass Water removal "spin-on" type, bypass set at 1.75 bar.				
Controls	Electrical Control Box				
Indicator	Delivery line electric cut out switch				
Fluid Temperature	From -10° to +80°C *				
Ambient Temperature	From 0° to +40 °C* (*viscosity dependent)				
Protection Class	IP 55				
Seal	NBR				
Fluid Compatibility	Mineral oil compatible				
Hose	Flexible hoses - SAE100R4 fw 1" BSP swaged females 2mtr long hose				
Dimensions	Weight: 200kg Dimensions: 1155mm (H); 1082mm (D); 665mm(W)				
Equipment	ICM 2.0 Version available				



FTU080

Order example		FTU	1	1	1	5	2	1	M250	SL4305
1. Model										
FTU= Fluid Transfer Unit	_									
2. Onboard resevoir 1= 80 Litres										
3. Inline Contamination Monitor 1= ICM 2.0										
4. Flow rate	[
15= 15 L/min	-									
5. Motor Power 2= 0.75 kW, 1400 rpm	_									
6. Voltage 1= 110v - 50Hz single phase										
1= 110v - 50Hz single phase 2= 220v - 50Hz single phase	- -									
7. Inlet Filtration M250= 250 µm suction strainer										
8. Outlet Filtration										
SL4305=Single spin on plus LMP length 5 (no elements included*)										

Filters

Filter element - Standard length: Inorganic microfiber element						
CS 100 A01 A P01	1 µm absolute					
CS 100 A03 A P01	3 µm absolute					
CS 100 A06 A P01	6 μm absolute					
CS 100 A10 A P01	10 μm absolute					
CS 100 A25 A P01	25 µm absolute					
Filter element - Standard length: Wire-mesh element						
CS 100 M25 A P01	25 μm					
CS 100 M60 A P01	60 μm					
Filter element - Extended length: Inorganic microfiber element						
CS 150 A01 A P01	1 µm absolute					
CS 150 A03 A P01	3 µm absolute					
CS 150 A06 A P01	6 µm absolute					
CS 150 A10 A P01	10 µm absolute					
CS 150 A25 A P01	25 µm absolute					
Filter element - Extended length: Wire-mesh element						
CS 150 M25 A P01	25 μm					
CS 150 M60 A P01	60 μm					
LMP Length 5 elements - Inorganic microfibre element						
CU 400 5 A03 A N P01	3 µm absolute					
CU 400 5 A06 A N P01	6 µm absolute					
CU 400 5 A10 A N PO1	10 µm absolute					
CU 400 5 A16 A N P01	16 µm absolute					
CU 400 5 A25 A N P01	25 µm absolute					
Water Removal - Extended Length: Multi	-layer water absorber					
CW 150 P10A	10 µm absolute					





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PASSION TO PERFORM