

Mobile Trolleys

Mobile Filtration Units

Available with a flow rate up to 50 L/min



PASSION TO PERFORM



GRF 503 / GRM 503

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.

Available features:

- 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



SPECIFICATION

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 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 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)

How to order

GRF/GRM 503

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

3= 415v 3 phase

5. Replacement Suction Element

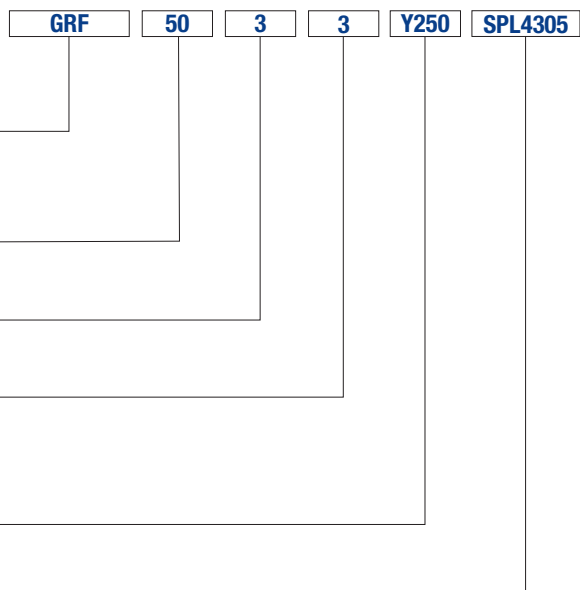
Y250= 250µm suction strainer

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)



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