





# FU1250 & FU2550

Hydraulic oil transfer and filtration mobile unit

#### **TECHNICAL INFORMATION**

FRAME			
Support frame and filter Housing:	Carbon steel, painted, mounted on 4 wheels (2 are lockable).		
THREE PHASE ELECTRIC MOTOR:	1,1 kW, 4 poles, 230/440 V 50 Hz for FU1250 3 kW, 2 or 4 poles, 230/440 V 50 Hz for FU2550		
PUMP PROTECTION:	Y type filter, 500 $\mu$ m.		
OVERALL DIMENSIONS (LxPxH):	700 x 1.050x 1.250 mm for FU1250 700 x 1.050 x 1.400 mm for FU2550		
WEIGHT:	kg 155 approx for FU1250 kg 175 approx for FU2550		

<b>ELEMENT</b> tested according to ISO 2941, 2942, 2943, 3968, 16889, 23181	
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⚠ A filter element must be fitted in the filter housing before start: See page 3.

OPERATING TEMPERATURE RANGE:	0°C +80°C
FLUID COMPATIBILITY:	Full with HH-HL-HM-HV (acc. To ISO 2943). For use with other fluid please contact Filtrec Customer Service (info@filtrec.it).
	Viscosity: from 30 cSt to 1000 cSt For use with other fluids please contact the FILTREC Customer Service (info@filtrec.it)

The unit is supplied complete with a Use and Maintenance Manual and it can be used only by authorized operators, that have read and understood completely the Manual.

# The FU units are CE certified



#### **ORDERING INFORMATION**

1.	2.	3.	4.	5.	6.	7.
FU	1250	4	T	040	В	01

1. FILTER SERIES	FU	
2. MODEL	1250	fits 1x RU1250 filter element
	2550	fits 1x RU2550 filter element
3. ELECTRIC MOTOR	2	2 poles electric motor (FU2550 only)
	4	4 poles electric motor
4. ELECTRIC MOTOR	T	three phase electric motor
5. FLOW RATE	040	flow rate 40 I/min (FU12504T)
	080	flow rate 80 I/min (FU25504T)
	160	flow rate 160 l/min (FU25502T)
6. SEALS	В	NBR
7. VERSION	00	STD version

#### **FILTER ELEMENTS**

The filter element must be replaced:

- 1. When the oil transfer is completed (when used as oil transfer unit).
- 2. When the target cleanliness class is reached (when used as off line filtration unit); (more filter elements could be necessary to reach it, depending on the oil volume to be cleaned and from the initial contamination level).
- 3. When both the differential pressure indicators show the red sector.
- 4. When a different filter media is required.

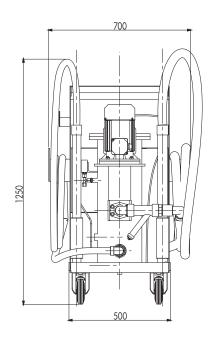


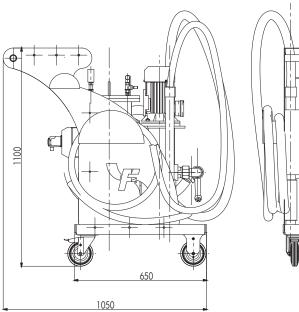
FILTER ELEMENT	FITS	FILTRATION
RU1250G03B	FU1250	glassfiber $\beta_{4,5~\mu m~(C)} \geq 1000$
RU1250G10B	FU1250	glassfiber $\beta_{12\mu\mathrm{m}(\mathrm{C})} \geq 1000$
RU1250GW10B	FU1250	glassfiber $\beta_{12\mu\mathrm{m}(\mathrm{C})} \geq 1000+\mathrm{water}$ absorber
RU2550G03B	FU2550	glassfiber $\beta_{4,5~\mu m~(C)} \geq 1000$
RU2550G10B	FU2550	glassfiber $\beta_{12  \mu m  (C)} \geq 1000$
RU2550GW10B	FU2550	glassfiber $\beta_{12\mu\mathrm{m}\;(\mathrm{C})} \geq 1000$ +water absorber

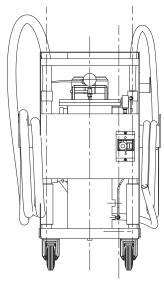


#### **OVERALL DIMENSIONS**

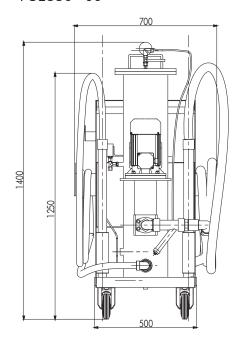
# "FU1250\*\*00"

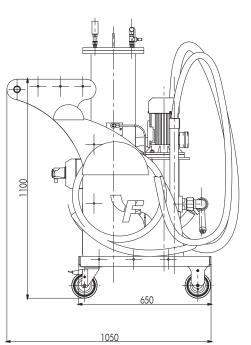


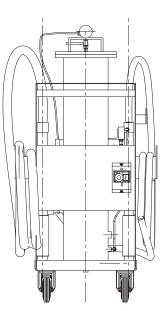




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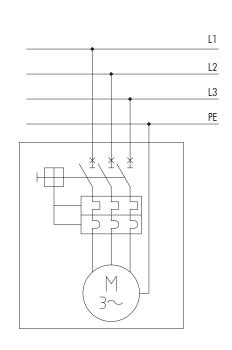




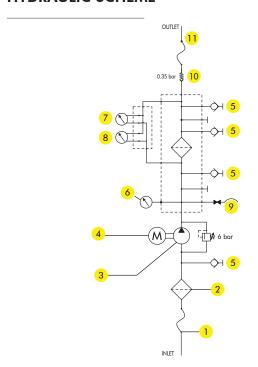




# **ELECTRIC DIAGRAM**



# **HYDRAULIC SCHEME**



#### **COMPONENT LIST**

ITEM	DESCRIPTION	MODEL			
		FU12504T	FU25504T	FU25502T	
1	Inlet flexible hose,dia,length, with rigid ends	TF-IN-42-5000	TF-IN-48-5000	TF-IN-60-5000	
2	Suction filter "Y" type	1" 1/4 Y filter	1" ½ Y filter	2" Y filter	
3	Screw pump (I/min) with integrated safety valve	Screw pump 40 I/min	Screw pump 80 l/min	Screw pump 160 I/min	
4	Electric motor	TR_4P_kW1,1_V230/440	TR_4P_kW3_V230/440	TR_2P_kW3_V230/440	
5	Sampling port Minimess type	1620 ISO228 G1/4"			
6	Pressure gauge	213-53-63 0-16 bar G1/4" rad.			
7	Visual clogging indicator 2,5 bar	V02			
8	Visual clogging indicator 5 bar	V05			
9	Air drain valve complete with microhose	ART1800			
10	Check valve	VU114-5PSI			
11	Outlet flexible hose,dia,length, with rigid ends	TF-OUT-42-5000			