



**MP FILTRI**  
S.p.A.  
filtri per oleodinamica  
Via Matteotti 2  
20060 Pessano con Bornago (Mi)  
Tel. 02-95703. 1  
Fax 02-95741497 / 95740188  
<http://www.mpfiltri.com>  
e-mail: [sales@mpfiltri.it](mailto:sales@mpfiltri.it)

## FLUID CONTAMINATION KIT

Date: 06/09/99

Ref.  
**VPAF 100-Pres.**

### KIT “VPAF – 100”



In hydraulic systems, mechanical energy is transformed in hydraulic energy.

Hydraulic system consist of a set of continuously moving metal parts, which uses hydraulic fluid as the power medium.

Hydraulic fluid is also used to create a lubrication film to keep the precision parts separated as it is also used as a cooling medium.

The very nature of a hydraulic system however is that it produces solid particulate dirt and these are always present in all hydraulic systems.

Solid contamination creates wear and loss efficiency.



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This results in a reduction of component life and system failure.

To ensure reliable system, it is necessary that the fluid used is periodically checked.

A simple way to check the fluid used in hydraulic applications is to verify the contamination of solid particles ; the **KIT “VPAF – 100”** is suitable for checking these contaminants.

### KIT CONTENT

#### Components

	Description	Quantity
1.	Bag	1 piece
2.	Monocular microscopy with 60 magnifications, objects table and lighting lamp.	1 piece
	Electrical vacuum pump with thermal interrupter for overloaded	1 piece
	Glass filtration apparatus ml 300	1 piece
3.	Rubber conical plug	1 piece
4.	Sprinkler 250 ml	1 piece
5.	Bottle 1 lt	1 piece
6.	Hand pump for fluid samples	1 piece
7.	Graduate cylindrical container 50 ml	1 piece
8.	Conical plug with 2 rubber connections	1 piece
9.	Bottle for solvent fluid 500 ml	1 piece
10.	Connections male-female	1 piece
11.	Bottles for sampling fluid 500 ml	3 pieces
12.	Tweezers	1 piece
13.	Membrane 0.8 $\mu\text{m}$ $\phi$ 25 for Swinnex filter	25 pieces
14.	Swinnex filter	1 piece
15.	Rubber tube	1.5 mt
16.	Membrane 1.2 $\mu\text{m}$ $\phi$ 47 for samples	25 pieces
17.	Telescopic stick	1 piece
18.	Sheet membrane $\phi$ 47	25 pieces
19.	Adesive for sheet membrane $\phi$ 47	3 sheets
20.	Manual's Instruction	1 piece