

# MAGNETI MARELLI

AC FLUSH PRO

*Manual*

007935110700



Magneti Marelli Aftermarket Spółka z.o.o.

Plac Pod Lipami 5, 40-476 Katowice

Tel.: + 48 (032) 6036107, Fax: + 48 (032) 603-61-08

e-mail: [checkstar@magnetimarelli.com](mailto:checkstar@magnetimarelli.com)

[www.magnetimarelli-checkstar.pl](http://www.magnetimarelli-checkstar.pl)



## IMPORTANT !

We recommend you thoroughly read the instructions provided in this manual before switching on the device.

This will enable you to obtain excellent performance and reliability over time.

Store this manual close to the device for quick reference by operators!

The Manufacturer shall not be liable for failures or other consequences deriving from incorrect procedures on the part of the User.

Dear Customer,

Congratulations on your purchase of AC FLUSH PRO, a new system for washing AC circuit for the car. The safety instructions provided below are guidelines to help you use the System under conditions of maximum safety.

Every device that uses chemical substances is potentially dangerous if the user is not familiar with the operating instructions or if the instructions are not accurate.

This manual is to be considered an integral part of the instrument as it contains general instructions for correct use of the device.

We therefore invite you to carefully read through the instructions before switching on the device, to adequately train operators and to store the manual for future reference. These good practices shall ensure that you obtain from the instrument top performance and reliability over time.

*No part of this manual may be reproduced in any form without prior written consent by the manufacturer.*

*The manufacturer reserves the right to make improvements or changes in its instruments at any time and without prior notice.*

*Other product names and companies mentioned in this document may be registered trademarks registered by the respective owners.*

# INDEX

<b>1</b>	<b>SAFETY RULES</b>	<b>PAG. 4</b>
1.1	OF THE AC FLUSH PRO	PAG. 4
1.2	OF THE USER	PAG. 4
1.3	DISPOSAL	PAG. 5
<b>2</b>	<b>TECHNICAL FEATURES</b>	<b>PAG. 5</b>
<b>3</b>	<b>DESCRIPTION</b>	<b>PAG. 6</b>
3.1	AC FLUSH PRO COMPONENT	PAG. 6
<b>4</b>	<b>DELIVERY TRANSPORT, START UP</b>	<b>PAG. 8</b>
4.1	FIRST DELIVERY AND START UP	PAG. 8
4.2	TRANSPORT	PAG. 8
<b>5</b>	<b>PREPARING WORKING</b>	<b>PAG. 8</b>
5.1	AC FLUSH PRO PREPARING	PAG. 8
5.2	VEHICLE PREPARING	PAG. 9
<b>6</b>	<b>USE</b>	<b>PAG. 9</b>
<b>7</b>	<b>AC FLUSH PRO MAINTENANCE</b>	<b>PAG. 12</b>
7.1	FILTER MAINTENANCE	PAG. 13
7.2	PRINTER PAPER REPLACEMENT	PAG. 13

# 1 SAFETY RULES

## 1.1 OF ATF KOMPACT



Carefully read this manual before using the unit.

Forbid the use of this device to any non-allowed persons.

Do not remove or make illegible tags or danger, obligatory or forbidden signals.

Do not connect the unit to voltage or frequency other than those indicated on the plate.

Use the device only in dry places, sufficiently light and well aired.

Do not expose the device to warm sources.

Do not bump the device.

During transport or handling, ensure that there are no other objects on the instrument to prevent them from falling.

Do not move the device pulling it with the cables connected.

Do not to cling to the cap, of the auxiliary tank, during handling of the device.

Do not wet the device and protect it from any direct contact with the rain.

Do not clean the device with products that may make damages on the plastic box or LCD.

Only qualified staff must do maintenance.

It is avoid the opening of the device by not authorized personals.

Do not repair blown or defective fuses but replace them with fuses having equivalent characteristics.

## 1.2 OF THE USER



Carefully read this manual before using the unit.

- Keep protective wearing and behave properly.
- Always wear glasses protection when working on the piping system of the vehicle's transmission, to protect your eyes from violent jets of hot liquid. Do not use common glasses, but only security glasses.
- Always clean up the floor, in the event of a spill of fluid, because it can cause falls.
- Stop the vehicle using the parking brake, (if the vehicle is equipped with), insert running idle, (or in case of automatic gear, parking position), and lock the wheels.
- Pay attention to the moving devices on the vehicle. Particularly the electric fans may start even when the vehicle is switched off.
- Use proper protections in case the noise emissions are more than the prescription of the law.

- Do not smoke, and do not use free flames or sparks sources near to the vehicle.
- Protect the face, arms and legs to avoid contact with hot surfaces of the vehicle.



**Take always in consideration the safety data sheet of the material involved and follow the instruction**



**Procurarsi sempre la scheda di sicurezza dei materiali impiegati ed attenersi a quanto in essa contenuto!**

### **1.3 DISPOSAL**

- Separate electrical, electronic, plastic and ferrous parts before demolishing the instrument.  
Dispose of the material in recycling bins as required by local regulations in force

## **2 TECHNICAL FEATURESE TECNICHE**

Power supply:

- Battery 12 Vcc (car battery)

Pump:

- range max = 5,5 litri/min
- pressure max =9 bar

Display:

- LCD 20 character x 4 line, back-lighted, alfanumeric

Dimension:

- L = 600 mm, H = 1100 mm, P = 490mm

weight:

- ~30 Kg

Functioning temperature:

- + 5 ° C ÷ + 40°C

### 3 DESCRIPTION

For the field expert is necessary an easy and reliable device for the AC circuit high level wash.

The service has to be done very fast and safety by avoiding wasting time.

With AC FLUSH PRO, the expert can do it in the passenger cars.

AC FLUSH PRO thanks to its innovative hydraulic system ensure the total fill of the AC circuit in phase of washing. The glass will constantly show the presence of the cleaner liquid inside the AC circuit. As matter of fact, when the glass is completely full, also the car AC circuit is completely full (without presence of air).

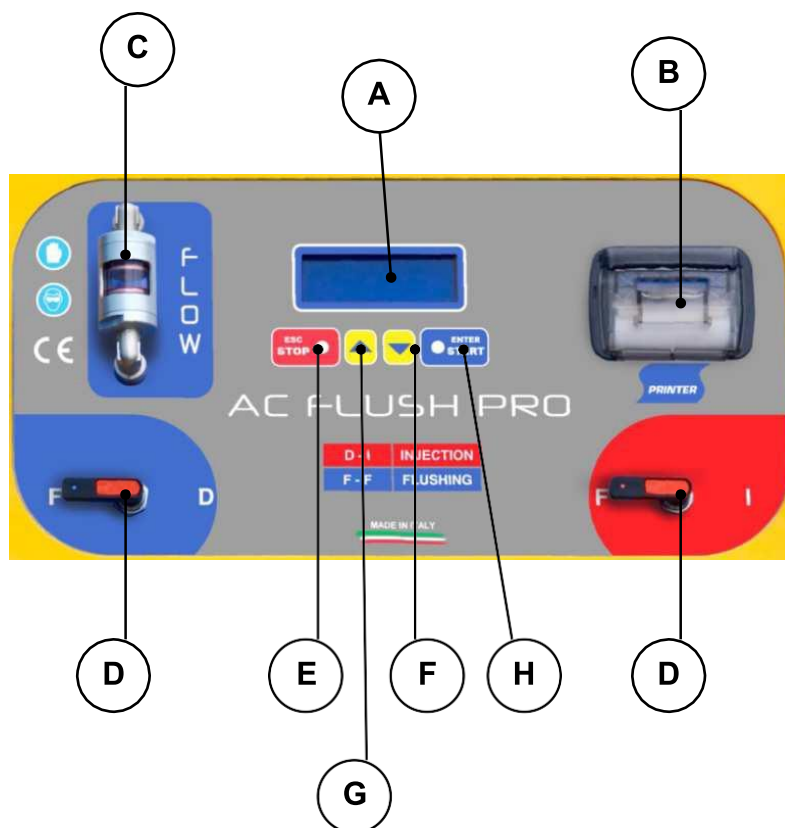
When the glass is completely full the expert discharge the first part of the dirty cleaner directly in the “old tank” then place the tap in the “F-F” position to run the count-down of the circuit cleaning.

AC FLUSH PRO is equipped with the OLD cleaner tank easy accessible for the proper disposal by following the local law.

#### 3.1 AC FLUSH PRO components



- |   |                  |   |                        |
|---|------------------|---|------------------------|
| 1 | CONTROL PANEL    | 5 | NEW CLEANER TANK       |
| 2 | CONNECTION HOSE  | 6 | FRONT WHEEL WITH BRAKE |
| 3 | CONNECTION HOSE  | 7 | REAR WHEEL             |
| 4 | OLD CLEANER TANK | 8 | POWER SUPPLY CABLE     |
|   |                  | 9 | HANDLE                 |





## CONTROL PANEL

**DISPLAY:** the step by step guide follow the operator.

- A. **PRINTER:** print the final report with the car data, plate and vin number.
- B. Cleaner **GLASS:** show the exhausted cleaner flow
- C. Tap **“NEW ” and “ OLD”** : the F:F position permitt the AC circuit cleaning  
The D:I position permitt to fill in the new cleaner by dischargint the old one.

D. The **STOP/ESC**: cancel the selection or step back

E. The  : move down the scroll menu.

F. The  : move up the scroll menu.

G. The **ENTER START**: confirm the selection and start the operation.

## 4 DELIVERY,TRANSPORT,START UP

### 4.1 FIRST DELIVERY AND START UP

The operator must:

- unload the machine in conformity with the provisions of current workplace safety regulations;
- remove packaging material and dispose of it properly.



Check integrity of components and devices. If needed contact our local authorized dealer immediately.

### 4.2 TRANSPORT

During the transport the following rules must be observed strictly:

apply current workplace safety regulations (especially with respect to overall weight which is approximately 35 kg);

remove any accessory device or other parts that may obstruct movement;

if lifting the unit manually, take a firm hold of the system;

staff not involved in the handling of the unit must stay clear of the area.



In case of transport on ensure that the unit is firmly positioned before proceeding.

## 5 PREPARING WORKING

### 5.1 PREPARING OF ATF KOMPACT

Pluge the AC FLUSH PRO to the car battery. The black clamp on the (-) and the red clamp to the (+).





**ATTENTION:** AC FLUSH PRO working only with 12 Volt.  
In case of wrong supply the machine does not switch on

## 5.2 Car preparing

Divide the car AC circuit by take a part the compressor, and the expansion valve.

## 6 USO

- 1 PLACE THE TAP IN THE POSITION F-F:



- 2 Supply the AC FLUSH PRO to the accumulator.



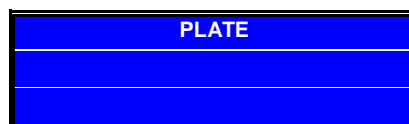
### NOTE:

always check car oil level with engine running, taking in consideration the manufacturer's indications.

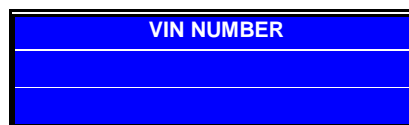
The display show:



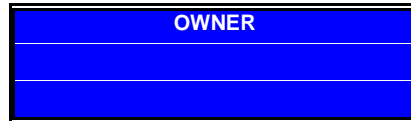
Choose Automatic cycle then confirm with **Enter/START**



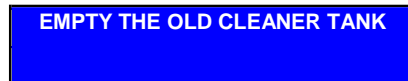
Type the plate number with the push button F and G then confirm with **Enter/START**



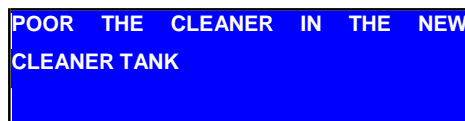
Type the vin number with the push button F and G then confirm with **Enter/START**



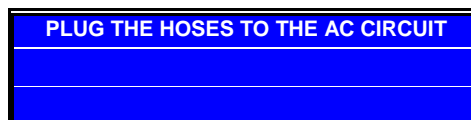
Type the owner data with the push button F and G then confirm with **Enter/START**



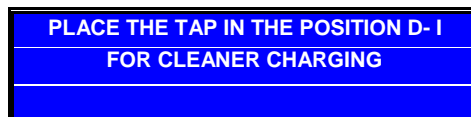
Empty the old cleaner tank “ **OLD**” and confirm with **Enter/START**



Poor the cleaner in the new cleaner tank “ **NEW**” then confirm with **Enter/START**

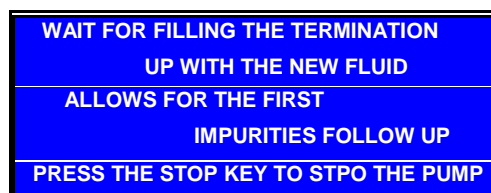


Plug the hoses to the AC circuit with the universal adaptors then confirm with **Enter/START**



Turn the tap in the “ **D**” and “ **I**” position, then pusch the **Enter/START**

The pump start to fill in the cleaner in the AC circuit then the display will show:



Wait untill the glass is full of cleaner to be sure the AC circuit is full fill without air inside.

Wait untill the cleaner color is limpid (about 1 minute) to discharge the first hard dirty. Then press

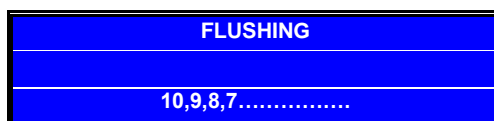
**Esc/STOP to switch off the pump.**

The display show:

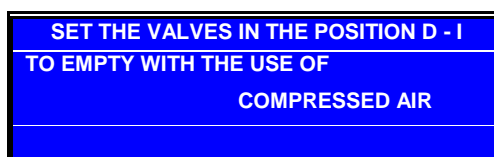




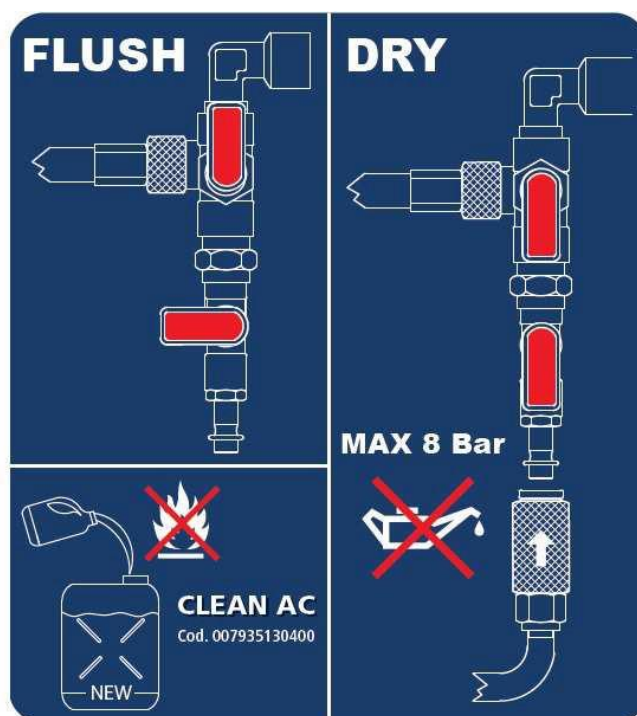
Turn the tap in the position “ **F**” e “ **F**” then press **Enter/START**



The flushing procedure is now running. After 10 minutes the pump will automatically switch off then the display show:



Turn the tap in the position “ **D**” and “ **I**” then plug the compressed air in the side connector and follow the sticker instruction.



In spite of AC FLUSH PRO discharged the old cleaner, a good dry by the compressed air is required. Plug the fast adaptor and turn 180° the upper tap and turn slowly of 90° the lower tap.



**ATTENTION:**

Use max 8 bar. Ensure that the compressed air system is equipped with a good oil dry system and water separator.

In the cycle end the AC FLUSH PRO print the report with all data filled in as a demonstration of the happened washing.

Below the printer example:

MAGNETI MARELLI
AC FLUSH PRO
CLEANING WITH DETERGENT HAS FINISHED.
PLATE
FE 082 DD
VIN
001T40025281
6 OWNER
MARIO ROSSI

## 7 AC FLUSH PRO MAINTENANCE



**CAUTION:** all maintenance operations must be performed with the machine disconnected from supply and from the vehicle. We recommend you wear personal protection gear and comply with current workplace safety regulations.

To enable correct unit operation and ensure reliability over time, it is very important to follow the indications provided below:

Excessive vibrations can shorten the lifetime of the various components, affect measuring accuracy and invalidate the machine's warranty.

Clean the unit's casing with non harsh and non abrasive products such as neutral soap or surface detergents. DO NOT use solvents, they can damage the paint.

Do not leave the unit exposed to sunlight and to the weather. Excessive exposure to sunlight or humidity can cause a malfunction.

Periodically check condition of filter and connection hoses.

In case of worn hoses, replace them immediately with new ones to prevent possible problems.

## 7.1 Filter Maintenance

After 30 complete cycleis necessary replace the filter placed inside the AC FLUSH PRO



### ATTENTION

Use only original component

## 7.1 Replacing printer paper

To change the paper roll, proceed as follows:

Open the printer panel

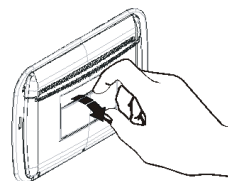
as shown in figure 1;

Position the paper roll and ensure that the paper unrolls in the right direction as shown in figure 2

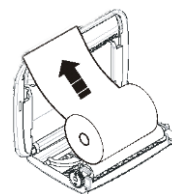
Pull out some of the

paper as shown in figure 3 and close the panel

Picture 1



Picture 2



Picture 3

Magneti Marelli Aftermarket Spółka z.o.o.

Plac Pod Lipami 5, 40-476 Katowice

Tel.: + 48 (032) 6036107, Fax: + 48 (032) 603-61-08

e-mail: [checkstar@magnetimarelli.com](mailto:checkstar@magnetimarelli.com)

[www.magnetimarelli-checkstar.pl](http://www.magnetimarelli-checkstar.pl)

