



**Air**SOLUTIONS

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**TOTAL QUALITY PHILOSOPHY**

**CATALOGUE 2022**



*Air*SOLUTIONS



**CATALOGUE 2022**

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# OUR HISTORY

Air Solutions has been operating in the automotive industry for 20 years designing and manufacturing professional equipment for garages.

Always linked to the philosophy of "made in Italy", has made the quality of its products and its company philosophy its own workhorse.

Always close to the needs of the professional operator in the search for cutting-edge solutions that guarantee to operate with **simplicity, safety and effectiveness**, has developed over time innovative projects in the fields:



MAINTENANCE  
AUTOMATIC  
GEARBOXES



MAINTENANCE  
AIR CONDITIONING SYSTEMS

Research and innovation are the pillars on which we have built our development, pursuing a constant path in the time in which we have set ourselves as a reference for the operator not only as suppliers of equipment but also and above all as providers of professional training alongside it in a path of professional growth in a world, the automotive one, with technical and technological contents always in continuous evolution.

# AUTOMATIC TRANSMISSION

- ATF MACHINE LEARNING
- ATF + EVOLUTION
- STANDARD EQUIPMENT KIT
- EXPERT EQUIPMENT KIT
- TAB-PRO
- TECHNICAL TRAINING
- OVERHAUL SERVICE
- INFORMATION PROGRAMME
- LIBRARY

# ATF MACHINE LEARNING

Multi-purpose equipment for the maintenance of **automatic transmissions** with integrated and constantly updated database, managed by a 10.1" **tablet** for the execution and control of the individual work phases

**CODE ATF+ EV-ML**

**COMPLETE FITTING SET FOR THE LATEST GENERATION OF GEARBOXES.**

CONTAINS FITTINGS N°:  
1 · 2 · 3 · 4 · 5 · 6 · 7 · 8 · 9 · 10 · 11  
12 · 13 · 14 · 15 · 17 · 21 · 23 · 57



Meets the requirements of the government decree **INDUSTRY 4.0** to Category 2,

**"Systems for quality assurance and sustainability"**

The only equipment that guarantees the absolute **NON CONTAMINATION** of oil released by pollutants

# AUTOMATIC PROCEDURES

- automatic maintenance procedure from database
- flow recognition
- pressure detection gearbox outlet
- pressure detection radiator outlet
- temperature detection gearbox output
- temperature detection radiator outlet
- maintenance procedure with step by step guide
- maintenance procedure with qr code scanning
- automatic level procedure
- automatic database update
- print maintenance procedure report on A4 paper with workshop logo
- preventive printing on A4 sheet with workshop logo
- print purchase order on A4 sheet with workshop logo and automatic sending by e-mail
- automatic filter clogging detection function
- automatic oil quantity control function in tanks
- mail support for missing database information
- monographic manuals revision transmissions with photographic procedures step by step

VOLTAGE	<b>230V</b>
FREQUENCY	<b>50Hz</b>

MAX. PRESSURE	<b>16 BAR</b>
MAX. CAPACITY	<b>14 l/min</b>

2	<b>50 KG LOAD CELLS</b>
2	<b>PRESSURE SENSORS</b>
2	<b>TEMPERATURE SENSORS</b>
1	<b>ELECTRIC PUMP</b>
1	<b>10 MICRON EFFICIENCY FILTER</b>

1	<b>ELECTRONIC BOARD WITH SMD TECHNOLOGY</b>
1	<b>BLUETOOTH MODULE</b>
1	<b>DISTRIBUTION MANIFOLD ANTI-LEAKAGE UTILITIES</b>
1	<b>TABLET</b>
2	<b>20L OIL COLLECTION TANKS</b>

## FUNCTIONS

Database with selection by **brand/model**, by **engine code**, or **gearbox code**. Data content

- Quotation procedure
- Purchase order procedure
- Automatic maintenance procedure
- Automatic filling cup procedure
- oil specification and quantity
- service interval
- working temperature
- code and photo of original filter

### Quotation procedure

- The equipment allows to realise and print the estimate for the routine maintenance operation of the selected transmission
- print on form with workshop logo
- preventive storage

### Purchase order procedure

- The equipment allows to realise and print the purchase order of the materials (filter/gasket/oil) for the routine maintenance operation of the selected transmission
- Print on form with workshop logo
- Automatic sending of the purchase order to the user's spare parts dealer

### Automatic maintenance procedure

- Automatic cup filling procedure
- oil specification and quantity
- service interval
- working temperature
- code and photo of original filter
- photo connection points
- code and photo of the fitting to be used
- photo maintenance procedure
- photo level point and level procedure
- automatic management of the procedure with car selection or recall estimate (the operator does not have to do anything except select the car from the database or recall the quote if previously made)

### Automatic cup filling procedure

- The station proceeds to fill the cup with the correct amount of oil, according to the manufacturer's specifications

Automatic level procedure with all necessary information

- The station is equipped with an automatic procedure to carry out the procedure of washing with exact indication of the temperature at which it must be done, the state of the engine (on/ off), the display of all the level points and all the procedures required by the parent company for the execution of the same (please note that today's transmission technology requires maximum precision in carrying out this procedure)



# ATF+ EVOLUTION

Automatic station for maintenance of **automatic transmissions** with wizard.

**CODE ATF+ EV**

**COMPLETE FITTING SET FOR THE LATEST GENERATION OF GEARBOXES**

CONTAINS FITTINGS N°:  
1 · 2 · 3 · 4 · 5 · 6 · 7 · 8 · 9 · 10 · 11  
12 · 13 · 14 · 15 · 17 · 21 · 23 · 57



The only equipment that guarantees the absolute **NON CONTAMINATION** of oil released by pollutants



## AUTOMATIC PROCEDURES

- automatic maintenance procedure
- automatic additive injection
- printing of each operation carried out
- Automatic filter clogging detection function
- automatic level function
- temperature detection function
- automatic washing function of the cooling system
- credentials for database consultation with selection by brand/model, by engine code, or gearbox code (validity 12 months). Data contained:
  - oil specification and quantity
  - maintenance interval
  - working temperature
  - code and photo of original filter
  - photo of connection points
  - code and photo of coupling to be used
  - photo of maintenance procedures
  - photo of level point and level procedure
- e-mail assistance for missing information in database

VOLTAGE	<b>230V</b>	MAX. PRESSURE	<b>16 BAR</b>
FREQUENCY	<b>50Hz</b>	MAX. CAPACITY	<b>14 l/min</b>

2	<b>50 KG LOAD CELLS</b>	1	<b>DISTRIBUTION MANIFOLD ANTI-LEAKAGE UTILITIES</b>
1	<b>ELECTRIC PUMP</b>	2	<b>20L OIL COLLECTION TANKS</b>
1	<b>10 MICRON EFFICIENCY FILTER</b>	2	<b>BACKLIT FLOW METERS</b>
1	<b>MAGNETIC DETECTOR</b>	1	<b>THERMAL PRINTER</b>
1	<b>ELECTRONIC BOARD WITH SMD TECHNOLOGY</b>	1	<b>TEMPERATURE PROBE</b>



# STANDARD EQUIPMENT KIT

01



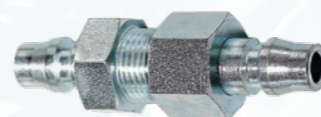
- BMW ALL SeriesS
- VOLVO Series C / S / V / XC
- MERCEDES 7 gear

02



- RANGE ROVER  
(Discovery / Sport / Freelander)
- JAGUAR • ISUZU

03



- AUDI  
(included 0AW e Multitronic)
- VOLKSWAGEN

09



- DSG • AUDI
- VOLKSWAGEN

10



- AISIN • FIAT • ALFA • LANCIA
- RENAULT • PEUGEOT • VOLVO

15



- AUDI q5 - q7

04



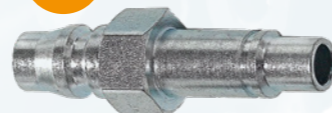
- OPEL • SUBARU • MAZDA
- CITROEN • RENAULT
- ALFA ROMEO • LANCIA

05



- BWM 8 MARCE

06



- MERCEDES • JEEP
- FIAT • CHRYSLER

16



- BMW • MERCEDES
- LAND ROVER

17



- ZF 9HP WITHOUT EXCHANGER  
LAND ROVER

20



- MERCEDES

07



- MERCEDES 5 gear • HIUNDAY
- KIA • SSANGYONG

07



- MERCEDES 5 gear • HIUNDAY
- KIA • SSANGYONG

08



- HYUNDAY • TOYOTA
- KIA • ASIAN CARS

23



- VOLKSWAGEN • PORSCHE
- LEXUS • MITSUBISHI

50



- N.3 TUBI GENERAL USE  
DIAM.MM. 10-13-15

51



- N.3 PROBES

# EXPERT EQUIPMENT KIT

11



- DSG MPS6 (POWERSHIFT)
- FORD • RANGE ROVER EVOQUE
- VOLVO

12



- DSG MERCEDES

13



- AUDI 8 HP

26



- MITSUBISHI

27



- AISIN TF71  
VERTICAL HOLES

28



- AISIN TF71  
PARALLEL HOLES

14



- AUDI WITH EXCHANGER  
0B5/0AW

18



- ZF 9HP

19



- AUDI 0CK

29



- AISIN TF71  
OPPOSITE HOLES

30



- AISIN TF71
- VOLVO • PEUGEOT

31



- AISIN TG81

21



- MERCEDES 9 G-TRONIC

24



- NISSAN • RENAULT
- JEEP • MITSUBISHI

25



- DPO • PEUGEOT
- RENAULT • CITROEN

32



- AISIN TG82
- BMW 2 SeriesS

33



- MAZDA

34



- TOYOTA K311-K313



35

• TOYOTA IQ



36

• NISSAN  
• SUZUKI  
• MITSUBISHI



37

• NISSAN JUKE MR16DDT



44

• AG4 - ZF 4HP20



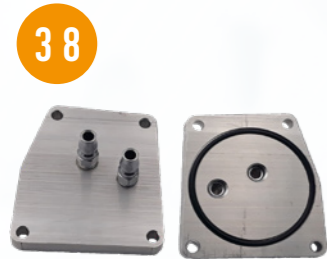
45

• LAND ROVER FREELANDER



46

• ZF8 HP ALFA STELVIO  
• FCA



38

• RENAULT LAGUNA III  
ESPACE IV



39

• SKODA



40

• KIA • OPEL • HYUNDAI  
• NISSAN • SUZUKI • JF404



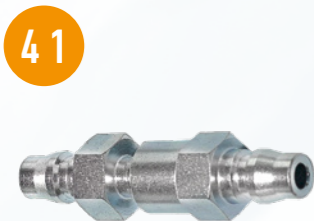
48

• DIPSTICK ZF 9HP



49

• DIPSTICK  
722.6 - 722.8



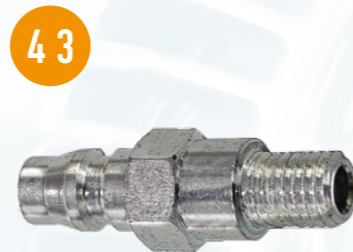
41

• VOLVO



42

• OPEL GM



43

• FIAT



LC0201U

• CASE EXPERT

THE CASE CONTAINS FITTINGS N°

16 · 18 · 19 · 24 · 25 · 26 · 27 · 28 · 29 · 30 · 31  
32 · 33 · 34 · 35 · 36 · 37 · 38 · 39 · 41 · 42 · 44  
46 · 47 · 48 · 52 · 54 · 55

## AUTOMATIC TRASMISSIONS PROFESSIONALS

## TAB-PRO

Membership of the 'automatic transmission professionals' community. This tablet is the most comprehensive information and training tool on automatic transmissions on the market today.



- Access to a database containing **20,000 car models** and over **360 different types** of transmissions.
- Access to the **quick quote function** for the customer with details of all components required for the maintenance operation
  - Access to the purchase function at **advantageous commercial conditions** of all spare parts required for the correct execution of the maintenance operation
  - Access to information on **recurring faults** and their solution
  - Access to **e-mail support** for transmission failures
  - Access to the **WhatsApp** service for transmission information from licence plate or vehicle chassis
  - Access to information on the **emergency release procedures** of the lever
  - Access to consultation of **maintenance video courses** and transmission repair
  - Possibility to purchase **single-issue professional handouts** for the revision of automatic transmissions at advantageous conditions
  - Interaction between all **community participants**

## TECHNICAL TRAINING ACADEMY

The evolutionary trend of the diffusion of automatic transmissions on the market requires an **increasingly professional competence** for the maintenance and the revision of the same.

### DIAGNOSIS      REPAIR      OVERHAUL

In consideration of all this our main objective is to fill a gap of information and training on automatic transmissions, currently on the market, offering a professional training course that covers all the different needs of repair of an automatic transmission.

This sector today offers an opportunity for the development of the single market as completely new and constantly subject to technological innovations by manufacturers, so workshops that want to keep up with the times and the demands of the market must maintain high educational standards on the different technical content required.

For this reason we have created a professional and qualitatively superior training course that allows even a neophyte workshop to undertake this path.

Highly specialized personnel will be able to support workshops and mechanics with different experiences, in the acquisition of all the knowledge and skills necessary to face, understand and solve the different problems of any automatic transmission.

All courses address the different topics at both theoretical and practical level, testing accordingly all the information directly on the transmission or the component of the course, thus proving the correct execution of the process of revision or repair of the change at the end of the course. All courses are interactive and each question of the participants is addressed and discussed until its complete clarification.

At the end of each course, the corresponding handout with a step-by-step photo-guided explanation of all the operations carried out during the course is provided on a pen drive.

### BASIC TECHNICAL COURSES \_\_\_\_\_ 8 Hours

- CB-01 BASIC TRAINING COURSE
- CI-01 TRAINING REPAIR OF FAULTS WITH A MOUNTED GEARBOX

### SPECIALISATION COURSES \_\_\_\_\_ 8 Hours

- CS-01 REVISION COURSE MERCEDES 722.6
- CS-02 REVISION COURSE MERCEDES 722.8
- CS-03 REVISION COURSE MERCEDES 722.9
- CS-04 REVISION COURSE ZF 6HP
- CS-04 REVISION COURSE ZF 8HP
- CS-05 REVISION COURSE AISIN TF60
- CS-06 REVISION COURSE AISIN TF80
- CS-07 REVISION COURSE DSG VW 02E
- CS-08 REVISION COURSE DSG VW 0AM
- CS-09 REVISION COURSE MULTITRONIC 01J/0AN
- CS-10 REVISION COURSE MULTITRONIC 0AW
- CS-11 REVISION COURSE GM 5L40E
- CS-12 REVISION COURSE DSG AUDI 0B5
- CS-13 REVISION COURSE GETRAG MPS6 (POWERSHIFT)
- CS-14 REVISION COURSE CHRYSLER 62TE
- CS-15 REVISION COURSE CHRYSLER 45RFE
- CS-16 REVISION COURSE FIAT DUALOGIC
- CS-17 REVISION COURSE GM6T45
- CS-18 REVISION COURSE TOYOTA U660E
- CS-19 REVISION COURSE ZF 9HP
- CS-20 REVISION COURSE POWERSHIFT DC4
- CS-21 REVISION COURSE AISIN TG-81
- CS-22 COURSE REPLACEMENT AND ADJUSTMENT DOUBLE CLUTCH FOR:
  - DSG 6 GEARS VW 02E
  - DSG 7 MARCE VW 0AM
  - TCT ALFA ROMEO
  - DC4 RENAULT
- CS-23 HYDRAULIC GROUP OVERHAUL COURSE FOR:
  - MERCEDES 722.6
  - ZF 6HP
- CS-24 HYDRAULIC GROUP OVERHAUL COURSE FOR:
  - MERCEDES 722.9
  - ZF 8HP
- CS-25 COURSE OVERHAUL HYDRAULIC UNIT DSG VW 0AM

NEW

## AUDIT SERVICE AT YOUR WORKSHOP

To enable the start of a new business in the world of automatic transmissions in all safety and professionalism or to help develop it, a new complete overhaul and testing service is provided at the customer workshop by our highly specialized technicians.

All the equipment necessary to carry out the work and all the spare parts necessary for the proper performance of the operation will be made available. With this activity will be transferred all the necessary information, and at the end of the overhaul, after verification and appropriate testing of the transmission, will be released documentation on pen drive of the entire cycle of work carried out with photographic representation of **EVERY PHASE** of the work performed.

The handout is entirely in Italian.

The service is provided by appointment and availability of technicians and previous telephone diagnosis of the operation to be performed and normally lasts a whole working day.

## PROGRAM INFORMATION

### COD. DBASE

Access to website with database with selection by brand/model, by engine code, or gearbox code. Data content:

- Oil specification and quantity
- Maintenance interval
- Working temperature
- Original filter code and photo
- Photo of connection points
- Code and photo of the fitting to be used
- Photo of maintenance procedures
- Photo point and level procedure
- Spare parts exploded view

### COD. C-CENTER

Access to a dedicated telephone line for ordinary maintenance assistance and extraordinary automatic transmissions.

The service is provided during the hours **8.30 - 13.00/14.15 - 17.45** and covers all information required for the routine maintenance of an automatic transmission, including the search for the transmission from licence plate or car registration data, diagnostic data analysis information and diagnostic data analysis information and advice and technical support for operations repair and overhaul of a transmission.

# LIBRARY

Monographic technical handouts for the revision of an automatic transmission. The handout contains the photographs taken on the transmission in each individual phase of the review with indication of the operation to be performed.

The handout provides all the information necessary for the repair (tightening torques, play, tolerances, etc.), highlighting all the equipment required to correctly perform the transmission overhaul, as well as detailed test procedures to verify the success of the work carried out.



## TECHNICAL MONOGRAPHS OVERHAUL OF AUTOMATIC TRANSMISSIONS

The handouts will be released on a protected pen drive.

Cod.	Title
D-01	MONOGRAPHIC HANDOUT MERCEDES 722.6 OVERHAUL
D-02	MONOGRAPHIC HANDOUT MERCEDES 722.8 OVERHAUL
D-03	MONOGRAPHIC HANDOUT MERCEDES 722.9 OVERHAUL
D-04	MONOGRAPHIC HANDOUT ZF 6HP OVERHAUL
D-05	MONOGRAPHIC HANDOUT ZF 8HP OVERHAUL
D-06	MONOGRAPHIC HANDOUT AISIN TF60 OVERHAUL
D-07	MONOGRAPHIC HANDOUT AISIN TF80 OVERHAUL
D-08	MONOGRAPHIC HANDOUT DSG VW 02E OVERHAUL
D-09	MONOGRAPHIC HANDOUT DSG VW 0AM OVERHAUL
D-10	MONOGRAPHIC HANDOUT MULTITRONIC 01J/0AN OVERHAUL
D-11	MONOGRAPHIC HANDOUT MULTITRONIC 0AW OVERHAUL
D-12	MONOGRAPHIC HANDOUT GM 5L40E OVERHAUL
D-13	MONOGRAPHIC HANDOUT DSG AUDI 0B5 OVERHAUL
D-14	MONOGRAPHIC HANDOUT GETRAG MPS6 (POWERSHIFT) OVERHAUL
D-15	MONOGRAPHIC HANDOUT CHRYSLER 62TE OVERHAUL
D-16	MONOGRAPHIC HANDOUT CHRYSLER 45RFE OVERHAUL
D-17	MONOGRAPHIC HANDOUT FIAT DUALOGIC OVERHAUL
D-18	MONOGRAPHIC HANDOUT GM6T45 OVERHAUL
D-19	MONOGRAPHIC HANDOUT TOYOTA U660E OVERHAUL

TOOLS

# TOOLS





**cod. PC100AS**

Compressed air bench for testing and testing operation automatic transmissions



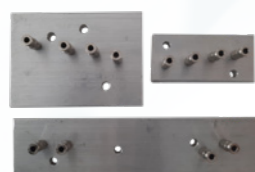
**cod. PC-PST-01**

Connection plates for transmission test automatic VW DSG 6-speed 02E



**cod. PC-PST-02**

Connection plates for transmission test automatic ZF 5HP



**cod. PC-PST-03**

Connection plates for automatic transmission test ZF 6HP



**cod. PC-PST-04**

Connection plates for automatic transmission test AISIN AW 55 50



**cod. PC-PST-05**

Connection plates for automatic transmission test AISIN TF80



**cod. PC-PST-06**

Connection plates for transmission test automatic MERCEDES 722.8



**cod. PC-PST-07**

Connection plates for transmission test automatic MERCEDES 722.9



**cod. PC-PST-08**

Connection plates for transmission test automatic GM 5L40E



**cod. KIT 0AM**

Kit for mounting and adjusting double clutch and mechatronic automatic transmission VW DSG 7 gears 0AM



**cod. AS-T10407-0AM**

Lever for mechatronic transmission disassembly VW DSG 7-speed automatic 0AM



**cod. AS-PR01**

press for dismantling brake/clutch baskets automatic transmissions

# FILTERS

- BMW
- MINI
- FCA
- MITSUBISHI
- FORD
- NISSAN
- GM
- OPEL
- HONDA
- SSANGYONG
- HYUNDAI
- SUBARU
- JAGUAR
- TOYOTA
- MAZDA
- VOLKSWAGEN
- MERCEDES

All the filters of the present price list are sold in complete kit of filter and gasket (where necessary) required for routine transmission maintenance, even if in the photo only the filter appears.



**AS24111-218-899**

**Transmission Type** 4L30  
 Model Series 3 - Z3  
 Year 1991-UP  
 Oem No **24111-218-899,**  
**96015432**  
 Description Filter and gasket kit



**AS24341-422-513**

**Transmission Type** ZF5HP18  
 Model Series 3  
 Year 1991-UP  
 Oem No **24341-219-631,**  
**24341-422-513,**  
**1056-298-047,**  
**0501-004-208**  
 Description BMW 2.0l, 2.5l



**AS24341-423-376**

**Transmission Type** ZF5HP19  
 Model  
 Year 1997-UP  
 Oem No  
 Description Low filter with grommet



**AS24341-422-673**

**Transmission Type** ZF5HP24FLA  
 Model BMW, JAGUAR  
 Year  
 Oem No **01L-325-429,**  
**0501-004-925,**  
**0501-005-998,**  
**24341-422-673**  
 Description Filter and gasket kit



**AS24341-422-419**

**Transmission Type** ZF5HP30  
 Model Series 5 - Series 7 - Series 8  
 Year 1991-UP  
 Oem No **1055-298-015,**  
**24341-421-200,**  
**24341-422-419,**  
**0501-004-331**  
 Description Filter and gasket kit



**AS24117-533-700**

**Transmission Type** 5L40E,  
 5L50E  
 Model X5  
 Year 2001-UP  
 Oem No **24117-533-700,**  
**24117-510-012,**  
**24117-557-069,**  
**2-4722-200**  
 Description For deep filter cup  
 with plastic protection on the bottom



**AS24117-557-070**

**Transmission Type** 5L40E,  
 5L50E  
 Model Series 3 - Series 5 - X3 - Z3  
 Year 1999-UP  
 Oem No **2-4722-100,**  
**24117-557-070**  
 Description For deep cup with spacer on suction pipe



**AS24117-557-071**

**Transmission Type** 5L40E,  
 5L50E  
 Model Series 3 - Series 5 - X3 - Z3  
 Year 2002-UP  
 Oem No **24111-423-604, 24117-533-699,**  
**24117-510-010, 24117-557-071,**  
**2-4722-000, 96041844**  
 Description For low cup without spacer on suction pipe



**AS24117-593-565**

**Transmission Type** GA6L45R,  
 GA6L45E  
 Model X3  
 Year 2007-UP  
 Oem No **24117-593-565,**  
**24117-581-604,**  
**24152-357-284**  
 Description Filter and gasket kit

**AS24152-333-907**



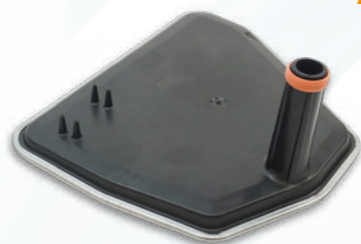
**Transmission Type** ZF6HP19  
 Model Series 1 - Series 3 - Series 5 - Series 6 - Series 7 - X1 -X3 - X5 -X6 -Z4  
 Year 2004 - UP  
 Oem No **24117-536-387, 24117-571-217, 24152-333-907, 0501-220-297**  
 Description Plastic filter pan

**AS24152-333-903**



**Transmission Type** ZF6HP26  
 Model Series 3 - Series 5 - Series 6 - Series 7 X3 - X5 - X6 - Z4  
 Oem No **0501-321-556, 24117-522-923, 24117-571-227, 2-4638-000, 24152-333-903, 24117-519-359, 0501-216-243**  
 Description Plastic filter pan

**AS24117-543-550**



**Transmission Type** ZF6HP26  
 Model Series 7 - X3 - X5  
 Year 2001-UP  
 Oem No **24117-543-550**  
 Description Metal filter pan filter ZF6HP26

**AS24117-571-202**



**Transmission Type** ZF6HP26  
 Model X3 - X5  
 Oem No **24117571202**  
 Description Metal filter pan filter

**AS50121-62-72**



**Transmission Type** ZF6HP19, ZF6HP26, 6R60  
 Description Cable connector

**AS24118-612-901**



**Transmission Type** ZF8HP45, ZF8HP70  
 Model Series 1 - Series 2 - Series 3 - Series 4 - Series 5 - Series 6 - Series 7 - Series 8 X1 - X3 - X4 - X5 - X6  
 Year 1991-UP  
 Oem No **24117-624-192, 24117-613-253, 24117-604-960, 68142478AA, 24118-612-901, 0501-218-048, 1087 298 247**  
 Description Plastic filter pan

**AS24118-632-189**



**Transmission Type** ZF8P75PH  
 Model Series 1 - Series 3 - Series 5 - X5  
 Year  
 Oem No **0501220521, 1102298018, 1102298019, 24118632189**  
 Description Plastic filter pan

**AS24117-595-897**



**Transmission Type** GA7AHSCD  
 Model X6 Hybrid  
 Year 2019-UP

**AS50122-09-29**



**Transmission Type** ZF8HP  
 Description Wiring connector



**AS4864505**

**Transmission Type** 41 te  
 Brand CHRYSLER  
 Model pt cruiser - voyager  
 grand voyager - journey  
 Year 1988-UP  
 Oem No **4504048,**  
**4431722,**  
**4864505**  
 Description Filter and gasket kit



**AS4796730AB**

**Transmission Type** 42LE  
 Model 300 M - VISION  
 Year 1993-2005  
 Oem No **04626449,**  
**04796730**  
 Description Filter and gasket kit



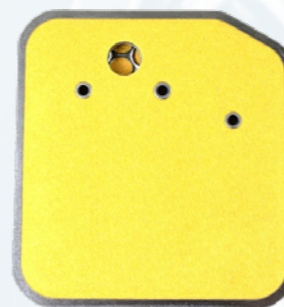
**AS52118789**

**Transmission Type** 42RE  
 Model GRAND CHEROKEE  
 Year 1992-2005  
 Oem No **AM-1904422500**  
 Description Filter and gasket kit



**AS52852913AB**

**Transmission Type** 42RLE  
 Model CHEROKEE - WRANGLER - 300C  
 Year 2001-2014  
 Oem No **52852913AB,**  
**68059549AA**  
 Description Filter and gasket kit



**AS3515996**

**Transmission Type** 44RE  
 Model GRAND CHEROKEE  
 Year 1991-1999  
 Oem No **3515996,**  
**8126042**  
 Description Filter and gasket kit



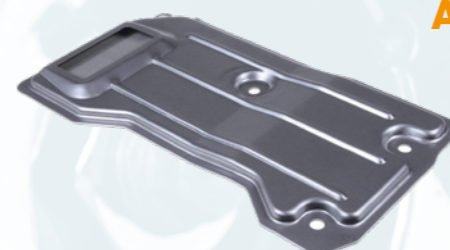
**AS5013470AC**

**Transmission Type** 5-45RFE  
 Model GRAND CHEROKEE - CHEROKEE  
 WRANGLER - COMMANDER - RAM  
 Year 1999-2013  
 Oem No **5013470AC,**  
**4799507AA,**  
**04799507,**  
**04799662,**  
**04800029AA,**  
**05013470AA**  
 Description Filter and gasket kit



**AS05078555AA**

**Transmission Type** 62TE  
 Brand CHRYSLER, DODGE  
 Model FREEMONT, 200, SEBRING,  
 TOWN&COUNTRY, AVENGER,  
 GRAND CARAVAN  
 Year 06-UP  
 Oem No **1-6801-8555AA,**  
 Description Filter and gasket kit



**AS83504032**

**Transmission Type** AW 4  
**A340H**  
 Model CHEROKEE  
 Year 1986-2000  
 Oem No **83504032,**  
**89835-04032**  
 Description Filter and gasket kit

FORD

**AS3W4Z-7A098-AA**



**Transmission Type** 5R55S  
 Model EXPLORER  
 Year 2003 - UP  
 Oem No 3W4Z-7A098-AA  
 Description DRAFT HEIGHT 4 CM

**AS1006974**



**Transmission Type** AG4  
 Model GALAXY  
 Year 1994 - UP  
 Oem No 01M-325-429  
 Description FILTER KIT

**AS1589089**



**Transmission Type** MPS 6 - SPS 6  
 Model C-MAX - FOCUS - KUGA - GALAXY  
 MONDEO - S-MAX  
 Year 2007 - UP  
 Oem No 7M5R-6C631-AD,  
 1-589-089,  
 31-259-415,  
 7M5R-6K870-AA,  
 31256837,  
 2513A040  
 Description CARTRIDGE FILTER

**AS5275555**



**Transmission Type** 6R80  
 Year 06-UP  
 Oem No 7L1P-7G186-AB,  
 7L1Z-7A098-A,  
 7L1P-7G186-AD  
 Description PAN DEPTH 3,8 CM

**ASXR818567**



**Transmission Type** 5R55S  
 Brand FORD - JAGUAR  
 Model S-TYPE  
 Year 1999 - UP  
 Oem No XR818567  
 Description SUCTION HEIGHT 2 CM

GM

**AS24225323**



**Transmission Type** 4L60E,  
 4L65E  
 Brand GM - HUMMER - CHEVROLET - ISUZU  
 Model CAMARO - H3 - D MAX - SILVERADO  
 Year 2004 - UP  
 Oem No 24225323  
 Description FILTER KIT

**AS24236931**



**Transmission Type** 6L50  
 6L80  
 6L90  
 Brand GM - GMC - CHEVROLET  
 Year 2007 - UP  
 Oem No 24236931  
 Description FILTER KIT

**AS25430-PLR-003**



**Transmission Type** MRMA,  
 MCVA,  
 MRVA  
 Model ACCORD - CIVIC - CRV - FRV  
 Year 2004 - UP  
 Oem No 25430-PLR-003  
 Description CARTRIDGE FILTER

HONDA



**AS463213B000**

**Transmission Type** A6LF1, A6LF2, A6LF3  
**Brand** KIA - HYUNDAI - MITSUBISHI  
**Model** CARENS  
**Year** 2009 - UP  
**Oem No** 46321-3B000  
**Description** FILTER KIT



**AS4561102700**

**Transmission Type** JF402 - JF405  
**Brand** KIA - HYUNDAI - MITSUBISHI  
**Model** PICANTO - ATOS  
**Year** 2000 - UP  
**Oem No** 45611-02700  
**Description** FILTER KIT



**AS4632122731**

**Transmission Type** A4AF-1, A4AF-2, A4BF3  
**Brand** KIA - HYUNDAI - MITSUBISHI  
**Model** ACCENT - COUPE - CERATO - GETZ  
 ELANTRA - RIO  
**Year** 1997 - UP  
**Oem No** 46321-22731, 45050-25A00  
**Description** FILTER KIT



**AS4632123000**

**Transmission Type** A4CF-0, A4CF-1, A4CF-3  
**Brand** KIA - HYUNDAI - MITSUBISHI  
**Model** CARENS - CEE'D - CERATO - PICANTO  
 I10 - I20 - I30 - IX20  
**Year** 2007 - UP  
**Oem No** 456321-23000  
**Description** PAN DEPTH 3,8 CM



**ASMD752072**

**Transmission Type** F4A41-1, F4A42-1, F4A51, F5A51  
**Brand** KIA - HYUNDAI - MITSUBISHI  
**Model** SANTA FE - SPORTAGE - TUCSON - RIO - CARENS  
**Year** 1996 - UP  
**Oem No** MD752072  
**Description** CARTRIDGE FILTER

**AS24118-612-901**



**Transmission Type** ZF8HP45, ZF8HP70  
**Model** Series 1 - Series 2 - Series 3 - Series 4  
 Series 5 - Series 6 - Series 7 - Series 8  
 X1 - X3 - X4 - X5 - X6  
**Oem No** 24117-624-192, 24117-613-253,  
 24117-604-960, 68142478AA,  
 24118-612-901, 0501-218-048,  
 1087 298 247  
**Description** PLASTIC PAN FILTER

**AS24152-333-903**



**Transmission Type** ZF6HP26  
**Brand** BMW  
**Model** Series 3 - Series 5 - Series 6 - Series 7 -  
 X3 - X5 - X6 - Z4  
**Oem No** 0501-321-556, 24117-522-923,  
 24117-571-227, 2-4638-000,  
 24152-333-903, 24117-519-359,  
 0501-216-243  
**Description** PLASTIC PAN FILTER

**AS6438348**



**Transmission Type** TH400, 3L80, TH375, TH475, 3L80-HD, AT540  
**Brand** GM - JAGUAR  
**Year** 1967 - UP  
**Oem No** 6438348, 6438326, 6837428,  
 6881429, 86337741  
**Description** FILTER KIT

**ASXR818567**



**Transmission Type** 5R55S - 5R55N  
**Brand** FORD - JAGUAR  
**Model** S-TYPE  
**Year** 1999 - UP  
**Oem No** XR818567  
**Description** DRAFT HEIGHT 2 CM

**ASFZ0121500**



**Transmission Type** ASFZ0121500  
**Model** 3 - 6 - CX5  
**Oem No** FZ01-21-500  
**Year** 2014 - UP  
**Description** FILTER KIT



**ASA1262770295**

**Transmission Type** 722.3 - 722.4  
 Year 1981-UP  
 Oem No 126-277-0295,  
 126-270-0298,  
 126-270-0598



**AS1402770095**

**Transmission Type** 722.6, W5A/580  
 Year 1992-UP  
 Oem No 140-277-0095,  
 52108325AA



**AS1683770395**

**Transmission Type** 722.7  
 Year 1998-2006  
 Description (Mercedes CLASS A)



**ASA1693771395**

**Transmission Type** 722.8  
 Model CLASS A, CLASS B W  
 Year until 10/05/2007  
 Oem No 169-377-1395,  
 169-377-1195,  
 169-377-0995,  
 169-377-1295



**AS1693771395F**

**Transmission Type** 722.8  
 Model CLASS A, CLASS B W  
 Year from 10/05/2007 onwards  
 Oem No 169-377-1395,  
 169-377-1195,  
 169-377-0995,  
 169-377-1295

**AS2212770100**



**Transmission Type** 722.9  
 Model W204, W212, W221  
 Year 10-UP  
 Oem No 221-277-01-00,  
 2-1087-000  
 Description W204, 212, 221(7G-TRONIC 722.9 ECO)

**ASA2463772400**



**Transmission Type** 724.0  
 Model CLASS A (W176), CLASS B (W246),  
 CLA (C117)  
 Oem No 246-377-2400,  
 246-377-1400,  
 2-1066-100  
 Description 7G-DCT - DOUBLE CLUTCH

**AS7252703707**



**Transmission Type** 725.xx  
 Model GLE (W166) Coupe, GLS (X166), S-CLASS  
 (W222), SL (R231), SLC (R172) CLS Shooting,  
 E-CLASS (W212) / (W213) / All-Terrain, /  
 Convertible / Coupe /  
 T-Model, GLC (X253)/ Coupe  
 Year 10-UP  
 Oem No 725 270 37 07,  
 7252703707,  
 A 725 270 37 07,  
 A7252703707,  
 725 270 87 04,  
 7252708704,  
 A 725 270 87 04,  
 A7252708704

**AS2035400253**



**Transmission Type** 722.6,  
 W5A-330,  
 W5A-580  
 Year 1996-UP  
 Oem No 140-270-0250  
 203-540-0253  
 Description ECM PLUG CONNECTOR

**MERCEDES AUCTION KIT**



**Application** 722.8 - 722.6 - 724.0





**AS24117518741**

**Transmission Type** ZF GACVT16Z,  
ZFGA6F21WA,  
ZF VT1F  
**Model** MINI COOPER 1.6 - MINI ONE  
**Year** 2002-2009  
**Oem No** 24117-518-741  
**Description** FILTER KIT



**AS24347566358**

**Transmission Type** 09G - TF60SN  
**Year** 2006-UP  
**Oem No** 24347-566-358  
**Description** FILTER KIT



**ASMR528836**

**Transmission Type** V4A51,  
R4A51,  
AW30-40LE,  
A340F,  
R5A51,  
V5A51  
**Model** MONTERO  
**Oem No** MR528836,  
46321-22040  
**Description** FILTER KIT



**AS31726-1XD0A**

**Transmission Type** JF010E(RE0F09A/B)  
 Year 03-UP  
 Oem No 31726-1XD0A



**ASF09-G28-403**

**Transmission Type** JF010E(RE0F09A/B)  
 Model MURANO  
 Year 03-UP  
 Oem No F09-G28-403



**AS31728-1XF02**

**Transmission Type** F1CJA,  
 JF011E,  
 RE0F10A,  
 RE0F10B  
 Brand NISSAN, GM, MITSUBISHI,  
 JEEP, CITROEN  
 Model JUKE, QASQHAI, X TRAIL,  
 PRIMERA, OUTLANDER, ASX,  
 LANCER, COMPASS, C CROSSER  
 Year 2006-UP  
 Oem No 5191890AA,  
 2824A007,  
 31728-1XF02  
 Description FILTER KIT



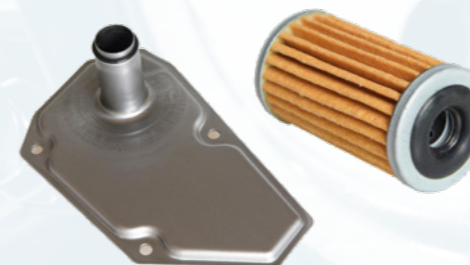
**AS31728-3TX0A**

**Transmission Type** JF011E(RE0F10B),  
 JF016E(RE0F10D)  
 Model QASQHAI, X TRAIL  
 Year 2011-2017  
 Oem No 31728-3TX0A  
 Description FILTER KIT



**AS31728-1XZ0A**

**Transmission Type** JF011E(RE0F10A),  
 JF016E(RE0F10A-D),  
 JF017E (RE0F10E)  
 Model MURANO, X TRAIL  
 Year 2011-2017  
 Oem No AS31728-1XZ0A  
 Description FILTER KIT



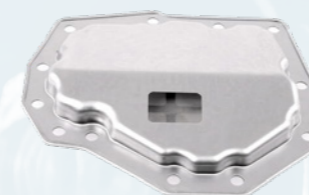
**AS31728-3JX0B**

**Transmission Type** JF015,  
 RE0F11A  
 Brand NISSAN, GM, MITSUBISHI  
 Model VERSA NOTE, MICRA, CUBE,  
 JUKE, MARCH, SPARK  
 Year 2010-UP  
 Oem No 31728-3JX0A,  
 31728-3JX0B,  
 31728-3JX0C,  
 31728-04X0B,  
 31728-04X0C,  
 2824A021 MITSUBISHI  
 Description FILTER KIT



**AS31728-29X0A**

**Transmission Type** JF017E  
 Model MURANO, PATHFINDER, X TRAIL  
 Year 2014-UP  
 Oem No 31728-29X0A,  
 31728-29X01,  
 31728-3YX0A  
 Description FILTER KIT



**AS31728-3MX0A**

**Transmission Type** JF414E  
 Model ALMERA, MICRA, PRIMERA, NOTE  
 Year 1996-2007  
 Description FILTER KIT

### AS31726-1XF00



**Transmission Type** CVT,  
F1CJA,  
JF010E,  
RE0F09A,  
RE0F09B,  
JF011E,  
RE0F10A,  
RE0F10B

**Brand** NISSAN - CHRYSLER - DODGE

**Year** 2006-UP

**Oem No** 31726-1XF00,  
2824A006

### AS31726-3JX0A



**Transmission Type** JF015E(RE0F11A),  
JF016E (RE0F10A, RE0F10D)  
JF017E (RE0F10E)  
JF017E (RE0F10E)

**Year** 2010-UP

**Oem No** 31726-3JX0A,  
3172628X0A,  
317263XX0A

### AS31728-41X03



**Transmission Type** RE4R01A,  
RL4R01A,  
R4A-EL RE4R03A,  
RG4R01A,  
JR403E,  
JR502E

**Year** 1987-UP

**Oem No** 31728-41X01,  
BV11-19815,  
31728-41X03

**Description** FILTER KIT

### AS309010-AF



**Transmission Type** RE7R01A,  
JR710,  
JR711E

**Brand** NISSAN, INFINITI

**Model** EX37, FX30, FX35, FX50, FX56, G37,  
M35, M37, M45, M56, Q30, QX56, 370Z

**Year** 2009-UP

**Description** FILTER KIT

### AS31728-31X01



**Transmission Type** RL4F03A,  
RE4F03A

**Brand** SENTRA, CUBE

**Year** 90-UP

**Oem No** 31728-31X01

**Description** PAN 21 HOLES

### AS31728-97X00



**Transmission Type** RE5R05A

**Brand** NISSAN, KIA

**Model** PATROL 350Z, 2WD

**Year** 2006-UP

**Oem No** 31728-97X00

**Description** FILTER KIT



**AS24230708**

**Transmission Type** 6T40E,  
6T45E  
**Brand** GM, CHEVROLET, OPEL  
**Model** MALIBU  
**Year** 08-UP  
**Description** FILTER KIT



**AS24237508**

**Transmission Type** 6T30E,  
MH9  
**Brand** GM, CHEVROLET, OPEL  
**Model** AVEO, CRUZE, ORLANDO  
**Year** 2010- UP  
**Description** FILTER KIT



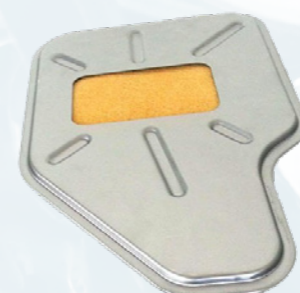
**AS96015062**

**Transmission Type** 4L30E  
**Brand** ISUZU, OPEL  
**Model** TROOPER, OMEGA  
**Year** 1990-UP  
**Oem No** 8-96841-011-0,  
8-96015-062-0



**AS511738008**

**Transmission Type** BTR M11  
**Oem No** 0511-738008  
**Description** 6 Speed



**AS572738004**

**Transmission Type** BTR M78,  
575R6  
**Brand** FORD, SANGYONG  
**Model** KYRON  
**Description** SANGYONG FOR 6 GEAR



**AS578738007**

**Transmission Type** BTR M78,  
575R6  
**Brand** FORD, SANGYONG  
**Model** KYRON

**AS31728-AA091**



**Transmission Type** R4AXEL,  
EC8,  
4EAT  
**Model** IMPREZA, OUTBACK, LEGACY  
**Year** 1998-UP  
**Oem No** 38325AA032  
**Description** CARTRIDGE FILTER

**AS31728-AA130**



**Transmission Type** 4EAT  
**Model** IMPREZA, OUTBACK, LEGACY  
**Year** 2005-UP  
**Oem No** 31728-AA130,  
31728AA091  
**Description** FILTER KIT

**ASA63010B-63300B**



**Transmission Type** 5EAT,  
JR507E  
**Model** LEGACY, OUTBACK, IMPREZA,  
WRX, TRIBECA  
**Year** 2005-UP  
**Description** FILTER KIT



**AS35303-97501**

**Transmission Type** **A4LB1**  
 Brand DAIHATSU, TOYOTA  
 Model TERIOS  
 Year 2002-UP  
 Oem No **35303-97501**



**AS35330-30011**

**Transmission Type** **A340E**  
 Year 85-UP  
 Description FILTER KIT



**AS35330-35020**

**Transmission Type** **A340F - A343F**  
 Model Land cruiser  
 Year 1995-UP  
 Description FILTER KIT



**AS35330-60030**

**Transmission Type** **A343E, A343F**  
 Model LS470, TACOMA, TUNDRA W, SEQUOIA, 4 RUNNER2002-UP  
 Year 1998-1999  
 Oem No **35330-60030**



**AS35330-30070**

**Transmission Type** **A650E**  
 Brand Toyota, Lexus  
 Model ES300, GS300, GS430, IS300, SC430  
 Year 2001-UP  
 Description FILTER KIT



**AS35330-60050**

**Transmission Type** **A750E, A750F**  
 Brand TOYOTA - LEXUS  
 Model LX470  
 Year 03-UP  
 Oem No **35330-60050, 26570-54J10**



**AS35330-60060**

**Transmission Type** **A760, AB60E, AB60F**  
 Brand TOYOTA - LEXUS  
 Model LAND CRUISER  
 Year 2007-2015  
 Oem No **35330-60060, 35330-34010, 35330-0C010**



**AS35330-0W040**

**Transmission Type** K111,  
291K,  
K112  
**Brand** TOYOTA, LEXUS  
**Model** AVENSIS, PREVIA, RAV4



**AS35330-08010**

**Transmission Type** U150,  
U151,  
U250E,  
U250F  
**Brand** TOYOTA - LEXUS  
**Model** AVENSIS, RX  
**Year** 2003-UP  
**Oem No** 35330-08010



**AS35330-0W021**

**Transmission Type** U340E,  
U341E  
**Model** AURIS, AVENSIS, YARIS  
**Year** 00-UP  
**Oem No** 35330-0W020,  
35330-20020,  
35330-0W021



**AS93741509**

**Transmission Type** AW80, 81-40LE,  
AW50-40LE,  
AW84-40LE,  
U440E, U441E  
**Brand** TOYOTA, GM, FORD, DAEWOO, SUZUKI  
**Model** AGILA - FIESTA - FUSION  
KALOS - YARIS - YARIS VERSO  
**Year** 1999-UP  
**Oem No** 35330-52010,  
GM 93741509



**AS35330-97501**

**Transmission Type** U540E  
**Brand** TOYOTA  
**Year** 2002-UP  
**Oem No** 35303-67206



**AS35330-33050**

**Transmission Type** U660E  
**Brand** TOYOTA - LEXUS  
**Model** AVENSIS - PREVIA -RAV4 - VERSO - RX  
**Year** 2014-UP  
**Oem No** 35330-48020,  
35330-33050



**AS02E305051C**

**Transmission Type** 02E(DQ250) DSG  
 Ls Part No 119740E  
 Brand VW, AUDI  
 Model A3, BEETLE, JETTA, TT, GOLF, PASSAT  
 Oem No **02E-305-051C,**  
**02E-398-051**  
 Description CARTRIDGE FILTER



**AS0BH325183B**

**Transmission Type** 0BH,  
 DQ500  
 Brand VW, AUDI  
 Model TIGUAN, Q3, T5, TT  
 Oem No **0BH-325-183B**  
 Description CARTRIDGE FILTER



**AS0B5325429**

**Transmission Type** DL501,  
 0B5  
 Brand AUDI  
 Model A4, A5, Q5, RS6  
 Year 2008-UP  
 Oem No **0B5-325-429E**  
 Description FILTER KIT



**AS0CK321359K**

**Transmission Type** 0CK,  
 DL382  
 Brand AUDI  
 Model A4, A5, A6, A7, Q5  
 Year 2014-UP  
 Oem No **0CK321359K**  
 Description PAN



**AS09G132102500**

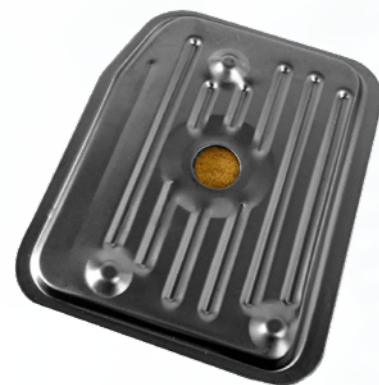
**Transmission Type** PDK  
 Brand PORSCHE  
 Model 911, Cayman, Boxter, 911 targa  
 Year 2007-UP  
 Oem No **9G1321022500**  
 Description PAN



**AS0AW301516H**

**Transmission Type** 0AW  
 Brand AUDI  
 Model A4, A5, A6, A7  
 Year 2007-UP  
 Oem No **0AW-301-516H**  
 Description CARTRIDGE FILTER





**AS01M325429**

**Transmission Type** VW095, VW096, VW097, VW098, JF404E  
**Brand** VW  
**Year** 1996-up  
**Oem No** 01M-325-429  
**Description** FILTER KIT



**AS01F325433**

**Transmission Type** ZF4HP18FLE  
**Brand** AUDI  
**Model** A6  
**Year** 1986-UP  
**Oem No** 01F-325-433  
**Description** FILTER KIT



**AS01V325429**

**Transmission Type** ZF5HP-19, ZF5HP-19FL, ZF5HP-19FLA  
**Brand** AUDI  
**Model** A4  
**Year** 96-UP  
**Oem No** 01V-325-429, 0501-209-251, 0501-004-813, 98630740300  
**Description** FILTER KIT



**AS01L325429B**

**Transmission Type** ZF 5HP24FLA  
**Brand** AUDI  
**Oem No** 00501-006-460, 01L-325-429B1M-325-429  
**Description** FILTER KIT



**AS0AT325429**

**Transmission Type** 0AT, ZF6HP19  
**Brand** AUDI  
**Model** Q7  
**Year** 2006-UP  
**Oem No** 0AT325429  
**Description** FILTER KIT



**AS09L325429**

**Transmission Type** 09L, ZF6HP19A  
**Brand** VW, AUDI  
**Model** A4, A6, A8, PHAETON  
**Year** 2007-UP  
**Oem No** 0501-212-401, 09L-325-429  
**Description** FILTER KIT



**AS0B6325429**

**Transmission Type** 09E, ZF6HP26A  
**Brand** AUDI  
**Model** A4, A5, Q5  
**Year** 2011-UP  
**Oem No** 0501-223-001, 2-4945-600, 0B6-325-429  
**Description** FILTER KIT



**AS09E325429**

**Transmission Type** ZF6HP26  
**Brand** VW, AUDI  
**Model** A6, A8, PHAETON  
**Year** 2002-UP  
**Oem No** 09E-325-429, 0501-212-974, 2-4945-300  
**Description** FILTER KIT



**AS09D325435**

**Transmission Type** 09D, TR-60SN  
 Brand VW, AUDI, PORSCHE  
 Model TUAREG, Q7, CAYENNE  
 Year 2002-UP  
 Oem No **09D-325-429,**  
**09D-325-435,**  
**95530740301**  
 Description FILTER KIT



**AS09G325429**

**Transmission Type** VW 09G,  
**AWTF60SN**  
 Brand VW, AUDI, SKODA  
 Model A3, JETTA, OCTAVIA, TOURAN,  
 SUPERB, TT  
 Year 2003-UP  
 Description FILTER KIT



**AS09K325429**

**Transmission Type** VW 09K,  
**AWTF60SN**  
 Brand VW  
 Model TRANSPORTER, MULTIVAN,  
 CARAVELLE  
 Year 2003-UP  
 Oem No **09K-325-429**  
 Description FILTER KIT



**AS09M325429**

**Transmission Type** VW 09M  
 Brand VW  
 Model PASSAT  
 Year 2006-2007  
 Oem No **09M-325-429**  
 Description FILTER KIT



**AS24347566358**

**Transmission Type** 09G,  
**TF60SN**  
 Brand VW, MINI  
 Model Cooper  
 Year 06-UP



**AS0C8325435**

**Transmission Type** AW TR-80SD,  
**0C8**  
 Brand VW, AUDI, PORSCHE  
 Model TOUAREG, Q7, CAYENNE  
 Year 2011-UP  
 Description FILTER KIT



**AS0BK398009**

**Transmission Type** 8HP55AF  
 Brand VW, AUDI  
 Model A4, A5, A6, A7 QUATTRO, Q5  
 Year 2009-2013  
 Oem No **0BK-398-009,**  
**0501-217-777**  
 Description FILTER KIT



**AS0D5398009**

**Transmission Type** ZF 8HP65A  
 Brand AUDI  
 Model A4, A5, A8, Q7, Q8  
 Year 2015-UP  
 Oem No **0D5398009,**  
**0D6398359**  
 Description FILTER PAN

# AIR CONDITIONING

- KK 2
- KK 3
- KY 2
- KY 3
- KF 3
- AIR 03
- 03 SOL
- ACCESSORIES

# KK2 r134a

Fully automatic recovery station, recycle, air conditioner recharge for **gas r134a**.

The machine is managed by an electronic board of innovative conception that guarantees a correct use without possibility of error by the user, paying particular attention to safety and precision.

The machine is also equipped with a database for preloaded car model with over **2000 models** and easily upgradeable through a serial port.

**CODE KK2 - CVP**



**MADE IN ITALY**



## AUTOMATIC FUNCTIONS

- Recovery • Oil drain • Vacuum • Vacuum test
- New oil intake • Tracer fluid intake
- System leakage check • Gas reintegration • System washing

## FUNCTIONAL CHARACTERISTICS

- Automatic operation
- Car/truck database with gas qty, compressor qty and oil type
- Automatic gas recovery from the pipe
- Compensation when recharging the amount of gas contained in the pipes
- Automatic discharge of non-condensable gases
- Automatic reporting of faults and required maintenance.

## TECHNICAL CHARACTERISTICS

DATABASE (models)	<b>2000</b>
COMPRESSOR (cc)	<b>12</b>
VACUUM PUMP (l./min.)	<b>75</b>
HEATED GAS TANK (Kg.)	<b>15</b>
HIGH EFFICIENCY DEHYDRATING FILTER	<b>1</b>
ELECTRONIC BALANCE (resolution)	<b>+/- 10 gr.</b>
ELECTRONIC BOARD WITH DISPLAY	<b>SMD</b>
VENTILATED CONDENSER	
VOLTAGE (V - Hz)	<b>220-50</b>
RECOVERY SPEED (gr./min.)	<b>500</b>
DIMENSIONS (length/width/height mm.)	<b>620x470x1150</b>
WEIGHT (kg.)	<b>73</b>
PACKAGING DIMENSIONS (length/length/height mm.)	<b>620x710x1300</b>
PACKING WEIGHT (Kg)	<b>83</b>

# KK3

## r1234yf

Fully automatic recovery, recycling, air conditioning recharge station for **r1234yf** gas.

The machine is controlled by an innovative electronic board that guarantees correct use without any possibility of error on the part of the user, paying particular attention to safety and precision.

The machine is equipped with a car model database preloaded with over **1000 models** and easily updated via a serial port.

**CODE KK3 - CVP**

**MADE IN ITALY**



## AUTOMATIC FUNCTIONS

- Recovery • Exhaust oil drain • Vacuum • Vacuum test
- Pressure leak test • Vacuum leak test • New oil intake
- Injection of tracer liquid • Gas reintegration • System washing

## FUNCTIONAL FEATURES

- Automatic operation
- Car/truck database with gas qty, compressor qty and oil type
- Automatic gas recovery from the pipeline
- Compensation when recharging the amount of gas contained in the pipeline
- Automatic discharge of non-condensable gases
- Automatic reporting of faults and required maintenance

## TECHNICAL CHARACTERISTICS

DATABASE (models)	<b>1000</b>
COMPRESSOR (cc)	<b>12</b>
VACUUM PUMP (l./min.)	<b>75</b>
HEATED GAS TANK (Kg.)	<b>15</b>
HIGH EFFICIENCY DEHYDRATING FILTER	<b>1</b>
ELECTRONIC BALANCE (resolution)	<b>+/- 10 gr.</b>
ELECTRONIC BOARD WITH DISPLAY	<b>SMD</b>
VENTILATED CONDENSER	
VOLTAGE (V - Hz)	<b>220-50</b>
RECOVERY SPEED (gr./min.)	<b>500</b>
DIMENSIONS (length/width/height mm.)	<b>620x470x1150</b>
WEIGHT (kg.)	<b>73</b>
PACKAGING DIMENSIONS (length/length/height mm.)	<b>620x710x1300</b>
PACKING WEIGHT (Kg)	<b>83</b>

# KY2 R134a

Fully automatic recovery, recycling, air conditioning recharge station for **r134a gas**.

The machine is very versatile thanks to its dimensions and offers first-class performance thanks to the technology developed by Air Solutions.

The machine is managed by an intuitive software capable of driving and step-by-step control of all operations, based on a database of over **2,000 models** complete with all the information necessary for carrying out maintenance work in a professional and extremely safe way.



## AUTOMATIC FUNCTIONS

- Recovery • Oil drain • Vacuum • Vacuum test
- New oil intake • Tracer fluid intake
- System leakage check • Gas reintegration

## FUNCTIONAL CHARACTERISTICS

- Automatic operation
- Car/truck database with gas qty, compressor qty and oil type
- Automatic gas recovery from the pipeline
- Compensation when recharging the amount of gas contained in the pipeline
- Automatic discharge of non-condensable gases
- Automatic reporting of faults and required maintenance

## TECHNICAL CHARACTERISTICS

DATABASE (models)	<b>2000</b>
COMPRESSOR (cc)	<b>12</b>
VACUUM PUMP (l./min.)	<b>75</b>
HEATED GAS TANK (Kg.)	<b>15</b>
HIGH EFFICIENCY DEHYDRATING FILTER	<b>1</b>
ELECTRONIC BALANCE (resolution)	<b>+/- 10 gr.</b>
ELECTRONIC BOARD WITH DISPLAY	<b>SMD</b>
VENTILATED CONDENSER	
VOLTAGE (V - Hz)	<b>220-50</b>
RECOVERY SPEED (gr./min.)	<b>500</b>
DIMENSIONS (length/width/height mm.)	<b>500x380x1050</b>
WEIGHT (kg.)	<b>62</b>

# KY3

## R1234yf

Fully automatic recovery station, recycling, air conditioner recharge for r1234yf gas.

The machine is very flexible thanks to its small dimensions and offers top-level performance due to the technology developed by Air Solutions.

The machine is managed by an intuitive software able to guide and control step by step all operations, based on a database of more than **1,000 models** complete with all the information necessary for the performance of the maintenance in a professional and reliable.



## AUTOMATIC FUNCTIONS

- Recovery • Spent oil discharge • Vacuum • Vacuum test
- Pressure leak test • Vacuum leak test
- Immersion of new oil • Immersion of tracer liquid • Gas reintegration

## FUNCTIONAL FEATURES

- Automatic operation
- Car/truck database with gas qty, qty and compressor oil type
- Automatic gas recovery from pipeline
- Compensation in recharge of amount of gas contained in piping
- Automatic discharge of non-condensable gases
- Automatic fault reporting and required maintenance

## TECHNICAL SPECIFICATIONS

DATABASE (models)	<b>1000</b>
COMPRESSOR (cc)	<b>12</b>
POMPA VUOTO (l./min.)	<b>75</b>
HEATED GAS TANK (Kg.)	<b>15</b>
HIGH EFFICIENCY DEHYDRATOR FILTER	<b>1</b>
ELECTRONIC BALANCE (resolution)	<b>+/- 10 gr.</b>
ELECTRONIC BOARD WITH SMD DISPLAY	<b>SMD</b>
VENTILATED CONDENSER	
VOLTAGE (V - Hz)	<b>220-50</b>
RECOVERY SPEED (gr./min.)	<b>500</b>
DIMENSIONS (length/prof./height mm.)	<b>500x380x1050</b>
WEIGHT (Kg.)	<b>62</b>

## FLUSHING STATION FOR CLIMATE SYSTEMS

This station makes it possible to do the flushing of the air conditioning system car by removing possible detritus generated by welds, compressor or radiator ruptures, or repair work following accidents.

**CODE KF3**



## TECHNICAL SPECIFICATIONS

TANK	<b>5 liters</b>
PRESSURE	<b>4,5 bar</b>
FILTER	<b>1</b>
FLOW REVERSAL	<b>YES</b>

### Non-flammable washing liquid

**5 liters**

code AS-11.036

Liquid for internal flushing of the climate system NOT FLAMMABLE. Suitable for all types of systems. Removes thoroughly all oil residues, rust, deposits and moisture inside the system.



### Flammable washing liquid

**5 liters**

cod. AS-11.036F

INFIAMMABLE climate system internal flushing liquid. EVAPORATES VERY QUICKLY. Suitable for all types of systems. Thoroughly removes all residues of oil, rust, deposits and moisture inside the system.





# AIR 03

Combined system for room sanitization

**CODE Air-03**



## TECHNICAL SPECIFICATIONS

VOLTAGE (with external power supply)	<b>12v - 220 V</b>
OZONE PRODUCTION CAPACITY	<b>10 gr./h</b>
ABSORPTION	<b>100 W</b>
NOISE LEVEL	<b>&lt; 40 dB</b>
ULTRASONIC CLEANING UNIT	<b>YES</b>
CONTROL	<b>Android App</b>
AIR QUALITY SENSOR	<b>YES</b>
PRESS REPORT	<b>YES</b>
PRESS RECORD OF SANITIZING OPERATIONS	<b>YES</b>
STRUCTURE	<b>Steel</b>
DIMENSIONS	<b>cm 38x20xh33</b>

## FEATURES

The device consists of two separate sanitizing units one with **ozone** and the other with **nebulizer** optimizing the abatement of pollutants, viruses, bacteria and molds in the environment.

These units are operated by an electronic board **controlled wirelessly** Bluetooth by an Android application installed on a tablet or smartphone. The application runs a procedure complete with images and instructions that guides the operator through the execution of the entire sanitization operation.

The device is provided with an hourly programming function that enables the execution of the sanitization procedure at the requested time without the presence of the operator.

In domestic or commercial environments will allow sanitization to be performed during closing hours. At the end of the procedure it will automatically proceed to printing on a customized form and processing the register of the sanitizations performed.

It includes in addition a "scheduling agenda function" for fleets interventions or premises subject of the planned interventions.

This function makes it possible to schedule a timeline of periodic sanitizations for each vehicle in the fleet, or for the local object of intervention with an indication of the dates of the operations made and those scheduled according to the regulations provided for the use of the vehicle or activity carried out on the premises (daily, weekly, biweekly, etc.).



## O3 SOLUTIONS

OZONE GENERATOR FOR ENVIRONMENTAL SANITATION

CODE **O3-Solutions**

## TECHNICAL SPECIFICATIONS

VOLTAGE (with external power supply)	<b>12v - 220 V</b>
OZONE PRODUCTION CAPACITY	<b>10 gr./h</b>
NOISE	<b>&lt; 40 dB</b>
STRUCTURE	<b>Steel</b>
ABSORPTION	<b>100 W</b>
DIMENSIONS	<b>cm 38x20xh33</b>

## DESCRIPTION

The equipment guarantees the complete and professional sanitization of cars, vehicles commercial and industrial, offices and civil and industrial environments by removing viruses, bacteria, pollutants and odours through the production of ozone.

The high oxidizing power of ozone allows the effective and fast neutralization of all pathogens in the air.

At the same time, its natural characteristic of converting in a very short time into oxygen without leaving residues or pollutants, makes it the ideal disinfectant agent for sanitizing in different environments.

O3-solutions guarantees an excellent production of ozone and this allows a particularly effective use in the automotive environment. It only takes a few minutes to sanitize a vehicle.

The Ozone is a gas and it allows the sanitization of the whole environment in which it is used without leaving shady areas or parts still contaminated, reaching even those points difficult to reach with sanitization traditional.

## OPTIONAL AND SPARE PARTS

### CLEANING KIT

COD. CH0049/500

#### Cleaning kit with refrigerant including :

- Filter
- Pipe ap/bp l= 3 m.
- Spy slide
- Universal fittings



### KIT DIAGNOSIS AND FILTRATION AC SYSTEM

COD. AC0066

#### Kit diagnosis and filtration ac system including:

- Filter pyrex one
- 2 High pressure quick couplers
- 2 Flexible hoses
- 1 Low pressure quick coupling



## LUBRICANT SELECTION

### LUBRICANT FOR R134a

Lubricant PAG 46 1 l.	Cod. 11.032
Lubricant PAG 68 1 l.	Cod. 11.063
Lubricant PAG 100 1 l.	Cod. 11.033
Lubricant PAG 125 1 l.	Cod. 11.165
Lubricant PAG 150 1 l.	Cod. 11.052
Universal PAG 1 l.	Cod. 11.033u



### LUBRICANT FOR R1234yf

Lubricant PAG 46 for R1234yf 250 ml.	Cod. 11.029yf
Lubricant equivalent to PSD1 250 ml.	Cod. 11.170
Lubricant equivalent to SPA2 250 ml.	Cod. 11.176
Lubricant equivalent to ND12 250 ml.	Cod. 11.178

### LUBRICANT FOR ELECTRIC COMPRESSORS

Lubricant for electric compressors  
250 ml. Cod. 11.084



Lubricant for electric compressors  
in syringe 60 ml. Cod. 11.808



### LUBRICANT FOR VACUUM PUMP

Lubricant for vacuum pump 68 l.1 Cod. 20.4003



## UV ADDITIVES SELECTION

### UV ADDITIVES



**UV Additives 250 ml.**

Cod. 11.060

**UV Additives for electric compressors 250 ml.**

Cod. 11.005h

**UV Additives for R1234yf 250 ml.**

Cod. 11.005yf

### UV ADDITIVES DISPOSABLE



**UV Additives 250 ml.**

Cod. 11.060

**UV Additives for electric compressors 250 ml.**

Cod. 11.005h

**UV Additives for R1234yf 250 ml.**

Cod. 11.005yf

## SMELL NICE

### REFRESHING SPRAY



**Refreshing spray 200 ml - lavender fragrance**

Cod. 11.024

**Refreshing spray 200 ml - musk fragrance**

Cod. 11.024m

**Refreshing spray 200 ml - pine fragrance**

Cod. 11.024p

**Refreshing spray 200 ml - talc fragrance**

Cod. 11.024t

**Refreshing spray 200 ml - vanilla fragrance**

Cod. 11.024v

## LEAK DETECTOR

**UNIVERSAL LEAK DETECTOR****ELECTRONIC LEAK DETECTOR** Cod. 12.033Temperature: **0° - 40°C**Minimum sensitivity: **< 3 gr/year**Heating time: **45 sec.**Applications: **R134a - R1234yf - R404a - R407c - R22 ecc.****NITROGEN/HYDROGEN LEAK DETECTOR KIT** Cod. 13.215

The kit contains:

- Hydrogen electron leak detector
- Nitrogen/hydrogen cylinder 1 l.
- Pressure gauge with hose
- Pressure regulator
- Cylinder reducer 1 l.
- 1/4 sae high pressure quick coupling with tap
- Yellow tube 1.5 m. F 1/4 sae x f 1/4 sae 180 solid

**LEAK DETECTION LAMP** Cod. 55.008

The kit contains:

- UV lamp 60w rotating head
- Uv additive cleaner spray
- Additive uv 250 ml.
- Yellow protective glasses

**LEAK DETECTION LAMP KIT** Cod. 55.016

The kit contains:

- Rechargeable UV lamp 60 w
- Uv additive cleaner spray
- Additive uv 250 ml.
- Yellow protective glasses

## LEAK SEALER

**LEAK STOP DISPOSABLE****Leak stop in syringe 30 ml.+ hose** Cod. 11.014**Leak stop for R1234yf in syringe 30 ml.+ hose** Cod. 11.014yfk

## SMALL PARTS & TOOLS

### QUICK COUPLERS



**Quick coupling r134a  
high pressure 1/4 SAE**  
Cod. 13.034



**Quick connect r134a  
low pressure 1/4 SAE**  
Cod. 13.035



**Quick coupling r1234yf  
high pressure 1/4 SAE**  
Cod. 13.080yf



**Quick connect r1234yf  
low pressure 1/4 SAE**  
Cod. 13.081yf



**Quick coupling r134a  
high pressure 1/4 SAE**  
Cod. 13.038



**Quick connect r134a  
low pressure 1/4 SAE**  
Cod. 13.039



**Quick coupling for BMW**  
Cod. 13.038D



**Quick connect for Renault**  
Cod. 13.095

### THERMOMETER



**Pen thermometer**  
Cod. 12.021

Temperature: - 50° +300°C  
basic accuracy: +/- 1°C



**electronic thermometer**  
Cod. 12.022

Temperature: - 50° +550°C  
Response time: < 500 ms  
basic accuracy: +/- 2%

88.901 10 pcs	88.902 10 pcs	88.903 10 pcs	88.904 10 pcs	88.905 10 pcs	88.906 10 pcs	88.907 10 pcs	88.908 10 pcs	88.909 10 pcs	88.910 10 pcs
88.911 10 pcs	88.912 10 pcs	88.913 10 pcs	88.914 10 pcs	88.915 10 pcs	88.916 10 pcs	88.917 10 pcs	88.918 10 pcs	88.919 10 pcs	88.920 10 pcs
88.921 10 pcs	88.922 10 pcs	88.923 10 pcs	88.924 10 pcs	88.925 10 pcs	88.926 10 pcs	88.927 10 pcs	88.928 10 pcs	88.929 10 pcs	88.930 10 pcs
88.931 10 pcs	88.932 10 pcs	88.933 10 pcs	88.934 10 pcs	88.935 10 pcs	88.936 10 pcs	88.937 10 pcs	88.938 10 pcs	88.939 10 pcs	88.940 10 pcs

### TOOLS KIT

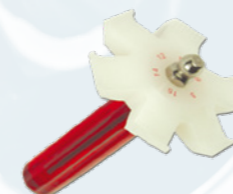
**Kit o-ring standard**  
Cod. 88.901



**Standard valve kit**  
Cod. 88.202



**Valve changer**  
Cod. 13.051



**wing comb**  
Cod. 13.050



**DECARBONIZER**

# HYDRO 4.0 EV



It meets the requirements of the government decree **INDUSTRY 4.0** under Category 2, "Systems for the assurance of quality and sustainability"

**MADE IN ITALY**



Multifunctional station for complete decarbonization from carbonaceous residues present in the entire system of an endothermic engine, starting from the intake manifold to the particulate filter. Actually, the station combines the high efficiency of a of controlled pyrolysis generated by oxyhydrogen, to a thorough and deep chemical action for the removal of residues present in the intake manifold.

**Hydro 4.0** is fully automatic, very easy to use, and is equipped with an optimized delivery system of both of the oxyhydrogen cycle and the cleaner, with wizard procedures and real-time controls real time of the entire work cycle.



## DECARBONIZATION INCLUDES:

**NEW**



**INTAKE MANIFOLD**



**INJECTORS**



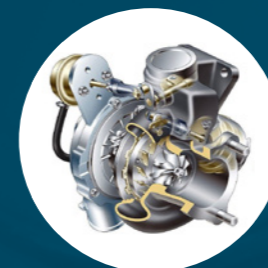
**VALVES**



**PISTONS**



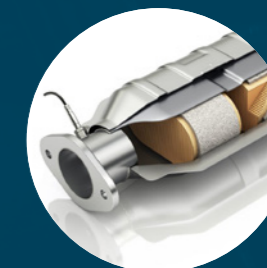
**SPARK PLUGS**



**TURBINE**



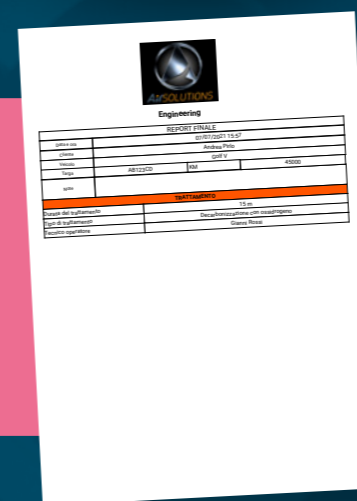
**EGR VALVE**



**FAP FILTER**

**PATENT PENDING**

The station is subject to storage patent application n.102021000026216



All of our models provide the **printing of the report** on workshop letterhead of the work cycle done.



A HYDRO 4.0 EV PERFORMS TWO WORK CYCLES AT THE SAME TIME BY MEANS OF A CONTROLLED MANAGEMENT OF A FLOW OF OXYHYDROGEN AND A CHEMICAL AGENT AND THIS PROCESS PROVIDES:

- Comprehensive engine maintenance
- A significant reduction in machining time
- The optimization of engine performance
- The restoration of engine power and response
- A drastic reduction in fuel consumption
- An increase in the durability of the catalytic converter and particulate filter
- High profit margins

**2<sup>IN</sup>1**



**USE WITH THE CLEANER  
OF OUR OWN FORMULATION  
FOR OPTIMIZATION OF RESULTS  
(COD. CH0099AS)**

## H-CLEAN/220/EV    **HYDRO 4.0 - 220V - EV**

### AUTOMATIC FUNCTIONS

- Auto work cycle selection
- tank pressure safety control and automatic power disconnection procedure
- current absorption safety control with automatic adjustment maximum absorption
- mixture temperature safety control with automatic procedure of power disconnection
- mixture level control and top-up quantity warning
- automatic check of the cell maintenance interval

POWER SUPPLY	<b>220 V</b>
POWER	<b>1,6 Kw</b>
MAX ABSORPTION	<b>8 A</b>
GAS OUTPUT FLOW	<b>1300 l/h</b>
TEMPERATURE SENSOR	<b>1</b>
PRESSURE SENSOR	<b>1</b>
CURRENT SENSOR	<b>1</b>
LEVEL SENSOR	<b>1</b>
ELECTRICAL CELL	<b>25 l.</b>
DIMENSIONS - LENGTH./PROF./ALT. (MM)	<b>620x470x1150</b>
WEIGHT KG	<b>70</b>
PACKAGING DIMENSIONS - LENGTH./PROF./ALT. (MM)	<b>620x710x1300</b>
PACKING WEIGHT	<b>80</b>

# HYDRO 4.0

## MACHINE LEARNING



It meets the requirements of the government decree **INDUSTRY 4.0** under Category 2, "Systems for the assurance of quality and sustainability"

**MADE IN ITALY**



### DECARBONIZATION BY PYROLYSIS GENERATED BY OXYHYDROGEN WORKS ON:



INJECTORS



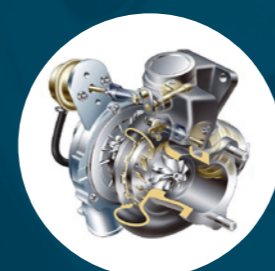
VALVES



PISTONS



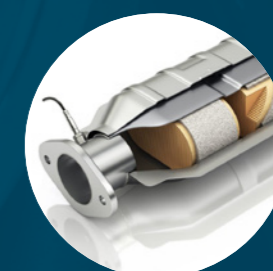
CANDLES



TURBINE



EGR VALVE




FAP FILTER

Fully automatic station for decarbonization from carbon waste present in the whole system of the combustion chamber. The station, through a controlled pyrolysis process, ensures perfect cleaning of the combustion chamber, turbine, egr valve and fap.

The station automatically produces oxyhydrogen gas, which introduced through the intake manifold, raises the burst temperature inside the combustion chamber causing as a consequence the elimination of all carbonaceous residues present in the engine.

The station is equipped with all the necessary safety systems to manage the work cycle in complete security and in a professional manner, with guided procedures and real-time controls of the entire cycle. The station is managed through an Android App, which detects in real time all the operations of the machine and allows remote control of the work cycle.



Engineering

REPORT FINALE	
Data e ora	07/07/2021 15:57
Cliente	Andrea Piffo
Veicolo	Golf V
Tempa	AB123CD KM 45000
Note	
TRATTAMENTO	
Durata del trattamento	15 m
Tipo di trattamento	Decarbonizzazione con ossidrogeno
Tecnico operatore	Gianni Rossi

All of our models provide the **printing** of the report on workshop letterhead of the work cycle done.

## H-CLEAN/200 HYDRO 4.0 - 220V

### AUTOMATIC FUNCTIONS

- Auto work cycle selection
- Tank pressure safety control and automatic power disconnection procedure
- Current absorption safety control with automatic adjustment maximum absorption
- Mixture temperature safety control with automatic procedure of power disconnection
- Mixture level control and topping up amount indication
- Automatic cell maintenance interval control
- Automatic auto engine status control by scantool Eobd

POWER SUPPLY	<b>200 V</b>
POWER	<b>1,6 Kw</b>
MAX ABSORPTION	<b>8 A</b>
GAS OUTPUT FLOW	<b>1,300 l/h</b>
TEMPERATURE SENSOR	<b>1</b>
PRESSURE SENSOR	<b>1</b>
CURRENT SENSOR	<b>1</b>
LEVEL SENSOR	<b>1</b>
ELECTRICAL CELL	<b>25 l.</b>

## H-CLEAN/12 HYDRO 4.0 - 12V

### AUTOMATIC FUNCTIONS

- Auto work cycle selection
- Tank pressure safety control and automatic power disconnection procedure
- Current absorption safety control with automatic adjustment maximum absorption
- Mixture temperature safety control with automatic procedure of power disconnection
- Mixture level control and topping up amount indication
- Automatic cell maintenance interval control
- Automatic auto engine status check

POWER SUPPLY	<b>12 V</b>
POWER	<b>600 W</b>
MAX ABSORPTION	<b>50 A</b>
GAS OUTPUT FLOW	<b>400 l/h</b>
TEMPERATURE SENSOR	<b>1</b>
PRESSURE SENSOR	<b>1</b>
CURRENT SENSOR	<b>1</b>
LEVEL SENSOR	<b>1</b>
ELECTRICAL CELL	<b>25 l.</b>

# ASP-01



System for cleaning the carbon deposits present in the intake manifold, throttled body and the entire suction system of an endothermic engine.

The station, via Android App, delivers in a controlled and optimized manner the flow of a professionally formulated chemical cleaner suitable for both gasoline and diesel engines, capable to remove all the carbon residues present in the system intake.

## ASP-01 REPRESENTS A SOLUTION:

- efficient for both prevention and treatment
- very simple to use
- safe
- practical and manageable
- economical with high profit margins

## EFFECTS:

- reduces engine smokiness
- increases engine performance
- cleans the EGR valve
- cleans turbine and variable geometry
- increases durability of catalytic converter and particulate filter
- cleans intake and exhaust valves of fouling and combustion chamber
- cleans from carbon residue and fouling the entire intake system



**USE WITH THE CLEANER  
OF OUR OWN FORMULATION  
FOR OPTIMIZATION OF RESULTS  
(COD. CH0099AS)**

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