



ATH-Heinl

USER MANUAL

ATH RB20-3




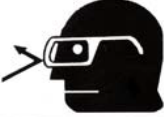



Content

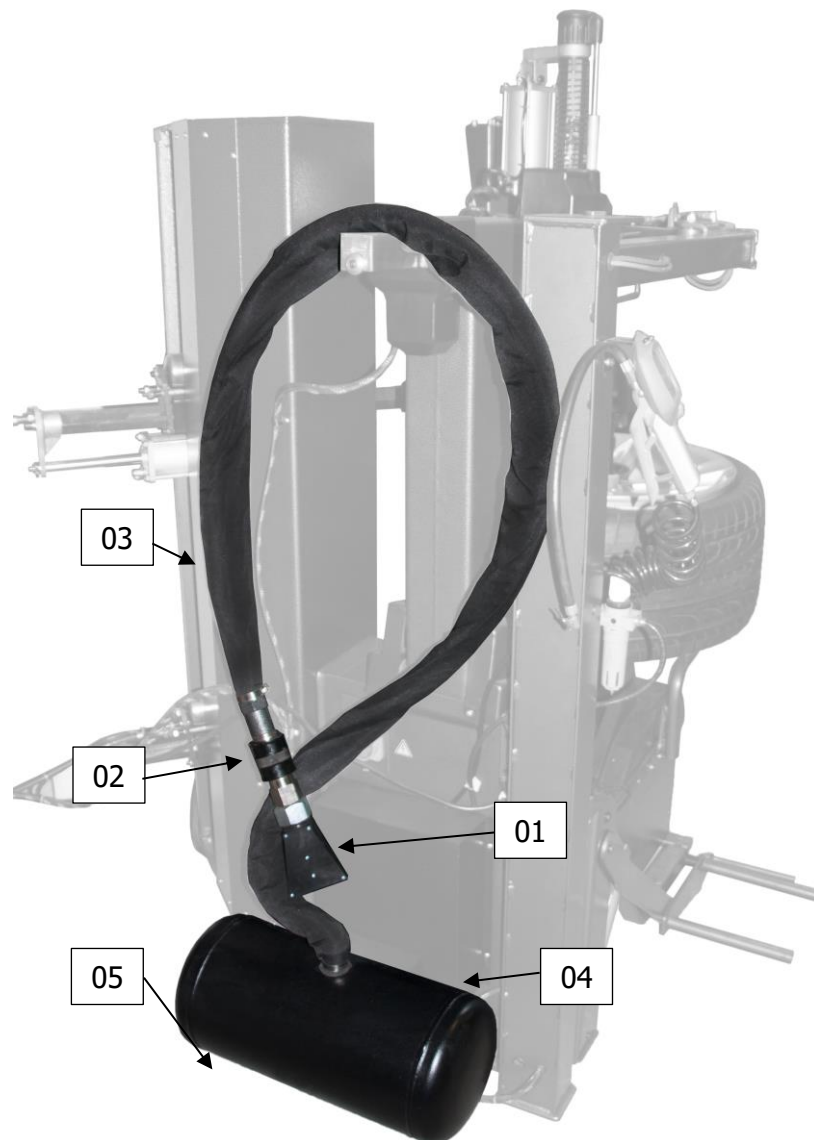
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INTRODUCTION

General Informations

| | |
|---|--|
|  | <p>THIS MANUAL IS AN INHERENT PART OF THE MACHINE. IT MUST BE READ AND UNDERSTOOD FROM THE OPERATOR. THERE IS NO RESPONSIBILITY FOR DAMAGES, WHICH ARE RESULTING FROM NON-OBSERVANCE OF THIS MANUAL OR THE GUILTY SAFETY REGULATIONS.</p> |
|  | <p>ATTENTION: Follow the instructions to avoid injuries or damages.</p> |
|  | <p>TIP: Gives further informations to the functions and tips for using the machine efficiently.</p> |
|  | <p>Protective clothes must be worn for all works on the described machine.</p> |
|  | <p>During operation the noise level can reach 85dB (A), therefore the operator should wear corresponding protective clothing.</p> |

Description



| | | |
|---|---------------------|-----------------------------------|
| 1 | Filling part | For set up on the edge of the rim |
| 2 | Release | For start the boost of the air |
| 3 | Pipe | |
| 4 | Tank | For pressurized air |
| 5 | Over pressure valve | Security valve |

Technical data

| | |
|----------------------|---|
| Type | ATH RB20-3 |
| Capacity of tank | 20 Liter |
| Measurements of tank | Ø240x530 mm |
| Hose length | 2230 mm |
| Working pressure | 8 bar (0,8 Mpa) |
| Noise | Max. 140 dB !!! ATTENTION: USE EAR PROTECTION!!! |
| Weight net | 13 kg |

INSTALLATION

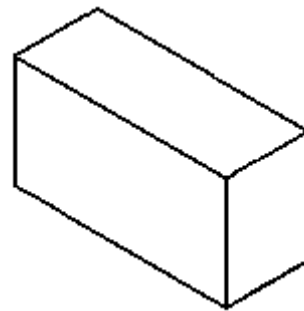
The tire filler should be installed only by authorized personal according to the manual.

Transport & Storage

Always use suitable means for transporting and positioning the machine and keep attention to the gravity center of the machine.

The machine should only be transported with the original packing.

| | |
|---------------------|----------------|
| Data: | |
| Width mm | 440 mm |
| Length mm | 570 mm |
| Height mm | 440 mm |
| Storage temperature | -25 bis +55 °C |
| Weight gross | 15 kg |



Unpacking



Remove the upper cover of the carton and make sure that there were no damages during the transport.

The packing material of the machine should be stored carefully.
Keep the packing material away from children as it could be dangerous for them.

Place of installation

The machine should be kept away from flammable and explosive materials as well as from solar radiation and intensive light. The machine should also be installed in a well-ventilated place.

It is not allowed to install the machine outside, but only inside, as the machine has no corresponding safety provisions (IP-protection, zinc coated and so on)

| | |
|--------------|----------------------------|
| Temperature | 4-40 °C |
| Sea level | < 1000 m |
| Air humidity | 50% at 40°C – 90% at 20 °C |

Installation

The tire filler is already ready to use.

You can fix this on the backside of the car tire changer by using screws and nuts (not in scope of delivery).

Optionally you can install the tire filler on a wall by using screws and dowel (not in scope of delivery).

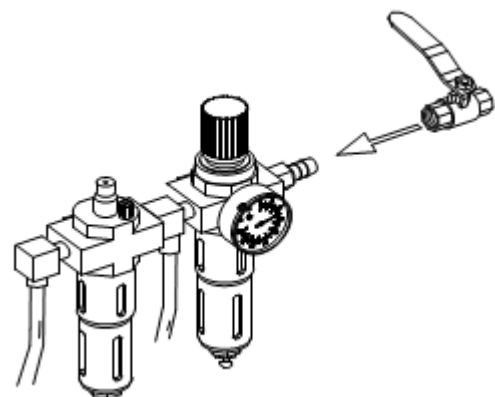
Pneumatic connection

The air pressure should correspond to the technical data.

The maximum respectively minimum pressure guarantees a correct function without possible damages.

It is recommended to use a non-return valve (D) – it is NOT in the scope of delivery.

Connect the compressed air supply to the maintenance unit (4).



Final works

Fill the tank with 8.5 bars.

Read if there's a difference after one hour to check if there is a leakage.

OPERATION

Operation instructions

Tire filler

Risk for human and environment



- Bursting tires, balancing weights or rim parts which blow away can cause serious injuries.
- By abrasion of brake linings harmful dust will be released.
- Do not expose the device to persons, animals or moving objects during activating.

Precaution and rules of conduct

- Do not blowing air onto the rim.
- To avoid dust, only clean rims and tires wet; if possible use washer for tires. Never use flameable products to clean the tire.
- Remove dust on the brake drums with exhausting bell in connection with a suitable industrial vacuum cleaner. Use equipment of Category U for nonasbestos dust and equipment of Category K1 for asbestos-containing dust.
- Do only use faultless rims. By flat mould rims, which are sticked together by spot welding, the seam resistance has to be checked.
- Faulty tires have to be made unusable.
- While inflating the tire position a safety device for collecting parts which blow away.
- Keep persons away from the danger zone.
- On tire changers with vertical positioned tires the working with heavy weight tires (e.g. earth mover tire molds) must be made by 2 persons.
- At tires with a diameter > 1,4 m or a weight > 200 kg safety devices against falling over must be used.
- The inflating of tires must be observed and the maximum mounting pressures are not allowed to exceed.
- There is a danger to other persons therefore always a safety distance of min. 10m.
- Jumping of the bead into the desired position takes place at a high speed, therefore always ensure that:
- Multi-part rims must be tight
- Inflate the tire with the specified pressure
- Use a safety cage
- Pay attention to tire damage

Behaviour in case of error

- Detected errors have to be reported to the responsible person.

First aid



- Keep in mind in case of an accident not only to save the injured person and to render first aid but also to secure the scene of accident.
- Report every accident immediately to the responsible person.

Emergency call:

Maintenance, Disposal

- Reparations are only allowed to be made by the after sales service of the manufacturer.

General instructions

THE TIRE FILLER IS ONLY ALLOWED TO BE OPERATED BY SKILLED AND TRAINED TECHNICIANS OVER 18 YEARS.

THE TIRE FILLER IS ESPECIALLY MADE FOR FILLING TUBELESS TIRES. THE TANK CAN BE ALSO USED FOR TRANSPORT OF PRESSURIZED AIR.

THIS TOOL CAN BE USED FOR DIFFERENT DIMENSIONS OF WHEELS.

DO ALWAYS TAKE THE INTENDED MATERIAL, e.g. THE CORRECT TIRE DIMENSION, SUITABLE VALVES OR THE CORRECT MOUNTING GREASE.

BEFORE MOUNTING OR DEMOUNTING CHECK ALL COMPONENTS. THOSE MUST NOT HAVE ANY DAMAGES.

PAY ATTENTION TO POSSIBLE SPECIAL MOUNTING OR DEMOUNTING INSTRUCTIONS OF THE TIRE MANUFACTURER.

DURING MOUNTING OR DEMOUNTING OR INFLATING OF TIRES OBSERVE STRICTLY THE GUIDELINES OF WDK (TRADE ASSOCIATION OF THE GERMAN RUBBER INDUSTRY).

MOUNTING OR DEMOUNTING OF TIRES WHICH ARE OLDER THAN 30 YEARS CAN CAUSE ACCIDENTS OR DAMAGES.

ALL WARNING SYMBOLS MUST BE ALWAYS READABLE; THEY MUST BE REPLACED IMMEDIATELY IN CASE OF ANY DAMAGE ON IT.

Recomendations

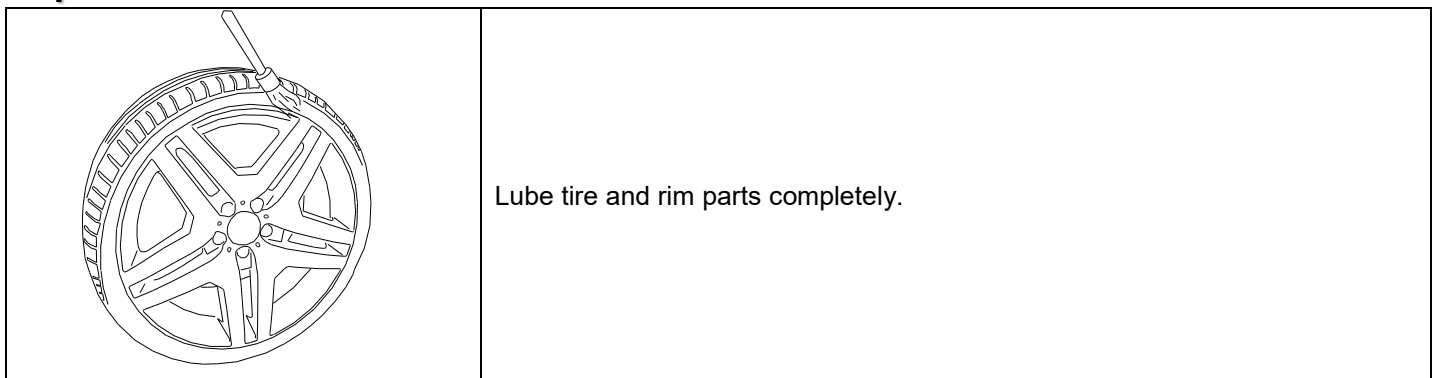
| Use | Size | Recomended pressure | Notice |
|-----------------|------------|---------------------|-----------------------------|
| Wheelbarrow | 6" | 1,7 bar | |
| Quad / ATV | 8-11" | 2,7 bar | |
| Garden tractors | 8-12" | 2,7 - 3,5 bar | |
| Car | 13-14" | 3,5 - 4,2 bar | |
| Off-Road | 15-16" | 4,5 - 5,5 bar | Preferably vertical filling |
| Van | 16-17,5" | 5,5 - 6,7 bar | |
| Truck | 19,5-22,5" | 6,9 – 8,3 bar | Preferably vertical filling |
| Traktor | 28 – 33" | 6,9 – 8,3 bar | |

Fill the tank with pressurerized air

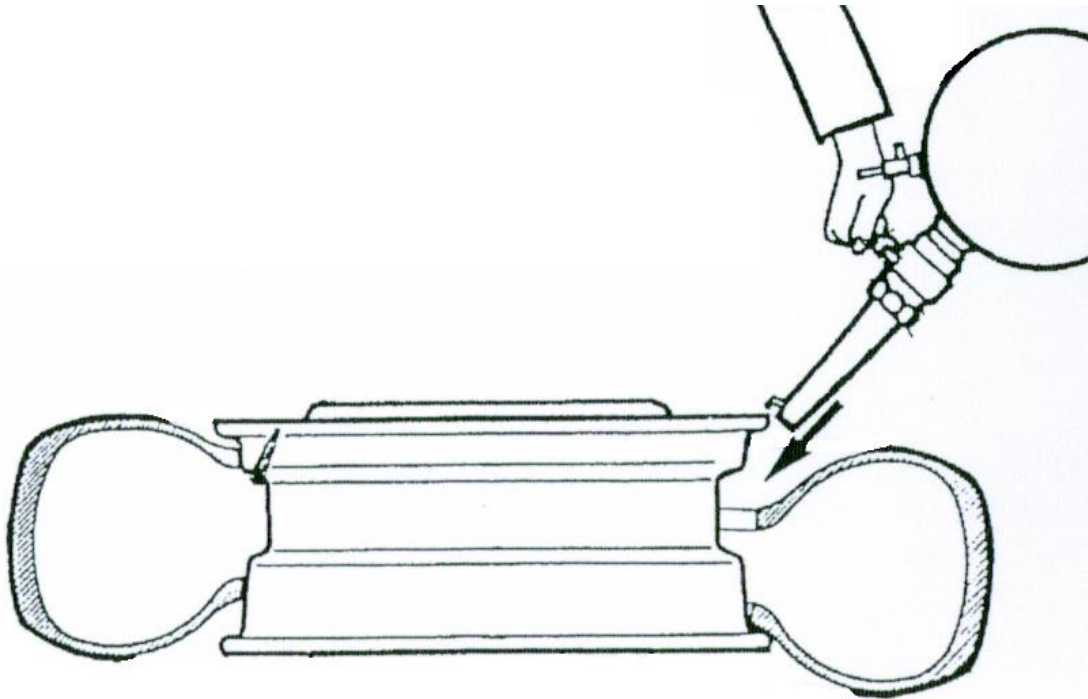
Close the main air valve of compressor and the air inlet valve of tire filler.
 Connect the filling hose of the tire filler to compressor and open the valves.
 Watch out for correct inflation and close the valves as soon as you reach the max. air pressure.
 Disconnect the air filler of the compressor.



Preparation of wheel



Place the tire on the rim like shown.
 Hereby you can fill the tire in horizontally or vertically position. By vertically use the most lower position for the tire.



Fill the tire

Use a separate small tire filler on the tire valve and start to inflate air.



Take the filling piece and locate this on the opposite side of the rim in an angle of approx. 70°

Inflate the air by using the release handle.



The max. pressure of the tire may not be more then 3,5 bar.

Keep away parts of the body from the tire.

| | |
|---|--|
|  | <p>If the air quantity of the inflator is not enough to press the tire over the bead of the rim it is possible to increase it by removing the inner valve. Afterwards the valve must be quickly inserted again.</p> |
|  | <p>Make sure that the tire was filled with the correct pressure, pay attention here to the instructions of the manufacturer. A too low tire pressure can lead to a higher wear and a shortened endurance of the tire. The interior of the tire can also be damaged.</p> <p>The tire pressure has to be checked once a week. Check the tire pressure only at a normal tire temperature (that means the vehicle was not moved longer than an hour and not more than 2-3 km.)</p> |

MAINTENANCE

TO GUARANTEE A SAFE OPERATION OF THE MACHINE THE OPERATOR IS OBLIGED TO MAINTAIN THE MACHINE REGULARLY.

ONLY AUTHORIZED SERVICE PARTNERS ARE ALLOWED TO MAKE REPAIRATION WORKS. THE CUSTOMER IS ONLY ALLOWED TO MAKE THIS AFTER CONSULTING THE MANUFACTURER.

PAY ATTENTION TO THAT ONLY ORIGINAL PARTS AND ACCESSORIES WILL BE USED.



For maintenance and reparation works the tank must be empty.

Maintenance instructions



The machine has to be maintained and cleaned regularly, independent from the dirt.

Periodically clean of dirt and check if all safety devices work.

Periodically check the unit for wear and damage.

Regularly check the air tank in accordance with official regulations.

Replace damaged parts. Only use original spare parts.

Keep the device in the open position and the funnel downwards to drain condensation.

IF THESE POINTS ARE NOT FULFILLED, THE WARRANTY REQUIRES

Disposal

- Remove the air and supply lines.
- Remove all non-metallic material and store it according to the local regulations.
- Dispose all metallic materials



The machine contains some substances which pollute the environment and are dangerous for the human body if they are not handled correctly.

DECLARATION OF CONFORMITY

Declaration of conformity



Type
ATH RB 20-3

For
Tire filler

The following EG-directives are considered

The following harmonized standards are applied

Manufacturer

ATH-Heinl GmbH & Co. KG
Kauerhofer Straße 2
D-92237 Sulzbach-Rosenberg
Germany

Institutur of quality

Reference number for the technical data

Number of the certificate

Herewith we confirm that the above named machines are according to the named EC-directives.

ATH-Heinl GmbH & Co. KG
Kauerhofer Straße 2
D-92237 Sulzbach-Rosenberg
Germany
In March 2016



ATH-Heinl GmbH & Co. KG / Hans Heinl (General manager)

THROUGH CHANGES BY THE TOOL, THE CE EXAMINATION IS EXCLUDED AND EXCLUSION OF LIABILITY.

WARRANTY NOTE

Dealer address:

Company (eventually customer number)

Contact person:

Street:

ZIP code & town:

Tel. & Fax:

e-Mail:

Manufacturer & model:

Serial number:

Description of the message:

Customer address:

Company (eventually customer number)

Contact person:

Street:

ZIP code & town:

Tel. & Fax:

e-Mail:

Year of manufacture:

Reference number:

Description of required spare parts:

Spare part:

Article number:

Quantity:

IMPORTANT NOTES:

Damage caused by improper handling, lack of maintenance or mechanical damage, does not fall into the warranty. For machines that are not installed by a licensed technician from the company ATH, the warranty is limited to the provision of necessary spare parts.

Damages by transit:

- Obvious defect (note on carrier's delivery note, a copy of delivery note, Photos of the delivery have to be sent immediately to ATH-Heinl)
- Latent defect (Shipping damage is discovered upon unpacking the goods, send damage report with pictures within 24 hours to ATH-Heinl)

Place & Date

Sign & Stamp

Product warranty

- Five year on equipment structure
- For power units, hydraulic cylinder and all other wear parts as turntables, rubber plates, ropes, chains, valves, switches and so on the warranty is limited to one year in case of ordinary condition/use.
- ATH-Heinl repairs or replaces the returned parts within warranty time after own investigation

The warranty does not extend to ...

- deficiencies caused by ordinary wear, misuse, transport damages, improper installation, voltage or missing needed maintenance .
- damages caused by neglect or failure to comply with the stated instructions in this user´s manual and / or other enclosed instructions.
- ordinary wear of single parts which require a service to maintain the product in a safe operating condition.
- all components which were damaged during transport.
- other components which are not explicitly listed but are handled as general wear parts.
- water damages caused e.g. by rain, excessive humidity, corrosive environment or other contaminants.
- blemishes that do not affect the function.

WARRANTY DOES NOT APPLY WHEN WARRANTY NOTE HAS NOT BEEN SENT TO ATH-HEINL.

It should be noted that warranty is excluded for any damage or malfunction caused by non-observance of maintenance and adjustment works (according to operation instructions and/or instructions), faulty electrical connections (rotating field, rated voltage, fuse protection) or improper use (overload, outdoor installation, technical changes)!



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EXPLODED DRAWING

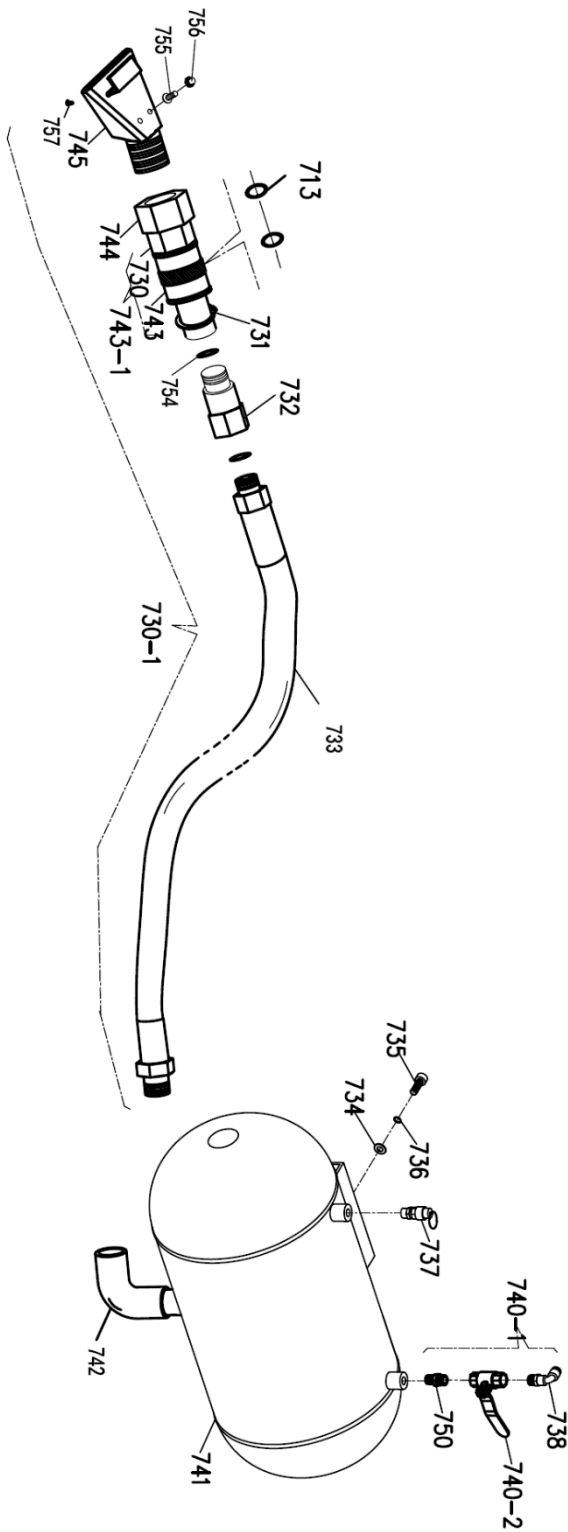


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4500 kg

17. 04. 25



| # | Art.# | Ref.# | Beschreibung | Dimension |
|-------|---------|---------|------------------------|-------------------------------|
| 713 | | 5327512 | O-Ring | Ø40x3,55 |
| 730 | | | Connector | 1" |
| 730-1 | | 5327892 | Hose Assamly | |
| 731 | | 5327611 | Snap ring | M40 |
| 732 | | 5327335 | Handle / Connector | |
| 733 | RFS1910 | 5327603 | Hose | 1" |
| 734 | | | Flat washer | Ø8 |
| 735 | | | Screw | M8x25 |
| 736 | | | Washer | Ø8 |
| 737 | RAS1912 | | Pressure release valve | AXD2. III - 1.0 DN R1/4 aw0.5 |
| 738 | SLA1036 | 5400931 | Fitting | 8mm x 1/4" 90° |
| 740-2 | RKH1913 | | Ball valve | G1/4" |
| 741 | RTA1909 | 5327460 | Tank | |
| 742 | RAS1911 | 5400824 | Elbow fitting | 1" - 90° |
| 743 | | 5324125 | Valve | |
| 743-1 | RAV1915 | | Valve assembly | |
| 744 | | 5327102 | Nozzle adaptor | |
| 745 | RES1914 | 5327044 | Jet blast nozzle | |
| 750 | RVS2000 | | Connector | G1/4" – G1/4" |
| 754 | | 5328235 | O-Ring | Ø28x3,55 |
| 755 | | | Screw | M6x12 |
| 756 | | | Acorn nut | M6 |
| 757 | | | Cross recessed screw | ST4,2x13 |

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Membre de la Bundesverband ASA (Fédération allemande des producteurs et importateurs d' équipement pour garage automobile)



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