

The need to use specialized equipment for the dismantling and depollution of end-of-life vehicles is based on the European directive 2000/53/EC. It regulates that all vehicle manufacturers and importers of new vehicles are obliged, together with all other affected economical operators of this sector - to take back the end-of-life vehicles from the market and to make sure that their components are dismantled and depolluted in a way that guarantees a respectful treatment of the environment and that until the end of 2006 the recycling and recovery rate of 85 % of the material weight and until 2015 a rate of 95 % must be achieved.

For the vehicle owners the take-back must be free of charge and it concerns all vehicles for the transport of max 9 passengers and a weight of max 3,5 t.

The directive defines the free-of-charge take-back of the vehicles like this:

- the vehicle must be delivered to a permitted treatment facility indicated by the vehicle manufacturer that takes it back free of charge,
- the vehicle must be complete or at least must include all essential components such as motor, gearbox, vehicle body, electronic components and catalyzer,
- the vehicle must not include contain any type of garbage.

Environmental liability

The environmental liability is an important factor of the FLEXBIMEC company philosophy. Actually it gets involved with a continuous environmental protection as one of its essential company targets.

Depollution process

When an "end-of-life" vehicle has been delivered to a suitable facility, it will be dismantled and depolluted in a proper way, including the following operations:

- Drainage of all fluids,
- Dismantling of the battery and of the tyres,
- Neutralization of the airbag system.

Each marketable part that is dismantled can be sold, except of the safety components which content pyrotechnic material (f. ex. airbags, seat belt pretensioner).

With its brand "Toolservice Fluid" FLEXBIMEC has developed a complete line of equipment for the dismantling and waste fluids drainage of end-of-life vehicles for professional users.



Example of an installation for end-of-life vehicle drainage and dismantling



Collection tank for petrol, art. no. 8229

Collection tank for diesel, art. no. 8217

Vehicle ramp, art. no. 3100

Metal staircase with working platform

Waste oil draining kit with wall mounted swivel arms, art. no. 3106

Waste fluids suction kit, art. no. 3125

Spill containment floor with grate

Tank drilling machine, art. no. 3111

Brake fluid draining kit

Fuel suction pumps

Collection tanks for oils, antifreeze, brake fluid and windshield washer fluid, art. nos. 7008 - 7009 - 7010





Art. no. **3100**

Vehicle ramp in painted steel including staircase with working platform. Enables an optimum access to the vehicle from below as well as from above. With spill containment safety floor with galvanized grates for a collection of eventually leaking fluids.

Dimensions (LxWXH): 4900 x 2000 x 2000 mm.
Bearing capacity: 3000 kg.



Art. no. **3101**

One – column lifting ramp for vehicles, specifically manufactured for the use in end - of - life vehicle drainage, including also a spill containment safety floor with galvanized grates for a collection of eventually leaking fluids.

Dimensions (LxWXH): 1576 x 2610 x 3790 mm.
Bearing capacity: 3500 kg.
Weight: 600 kg.
Power input: 2,2 kW – 3 HP – 230–400 VAC / 50 Hz.



Art. no. **3106**

Waste oil gravity draining kit, consisting of two metal collection bowls of 10 l capacity each, including removable anti splash grid and height-adjustable, telescopic tube, ball valves and hydraulic connectors for the connection of the suitable suction equipment. With wall mounted swivel arms, for the installation on the vehicle ramp (art. no. 3100).



Art. no. **3112**

Mobile waste oil gravity drainer with 2 collection bowls in painted steel of 10 l capacity incl. removable anti splash grid, for a simultaneous drainage of motor oil and transmission oil.

The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube. On demand also available with hydraulic quick connector for a connection to a pneumatic waste oil evacuation kit (see catalogue page 123!).



Art. no. **3112**

Art. no.	Capacity collection bowl	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3112	10l	90l	80l	0,5 bar	38 kg	700x900x1700

Art. no. **3111**

Pneumatic tank drilling machine, portable version.

Allows to carry out the evacuation of petrol or diesel in vehicles in an easy, fast and safe way by drilling through the tank.

The machine is equipped with an interchangeable, nonarcing drill bit, an in-line filter with strainer, a flow control tube with transparent insert and connections for the discharge of the fuel by gravity into a can or by the suitable suction equipment into a collection tank.

The drill bit is activated by using a special, pneumatic drill machine with a low number of rotations and with reversal of the rotating direction.



Art. no. **3111**

Art. no. **3118**

Conical silicone closing plugs, \varnothing 7x12 mm, for sealing the drill holes.

Packaging unit: 100 pieces.



Art. no. **3115**

Mobile suction unit for petrol, equipped with pneumatic, rotary gear pump in stainless steel, pressure regulator with lubricator, suction hose, kit of suction probes in different diameters, storage bowl, two wheels trolley and 20 l - plastic can for collection of the sucked petrol. The unit is equipped with an earth cable to enable an electrostatic discharge and is constructed in accordance with directive ATEX 94/9/EC.



Art. no. **3115**



Art. no.	Max vacuum	Inlet pressure	Compression ratio pump	Air consumption	Outlet pressure	Weight	Dimensions (LxWxH) (mm)
3115	0,8 bar	3 bar	1:1	200 l/min	3 bar	17 kg	410x420x910



Art. no. 3129

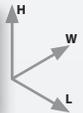
Art. no. 3129

Electronic airbag activating and blasting unit **BOOM-BAG**, enables a safe and easy dismantling of all airbags in a vehicle.

Suitable for all vehicle models. The unit can be used immediately and one operator is sufficient to carry out the dismantling. The unit is packed in a plastic case and includes also an electric cable with alligator clamps for battery connection and a kit with cables and push terminals for the activation of single or double airbags.



Art. no.	Voltage	Protection category	Weight	Dimensions (LxWxH) (mm)
3129	12 VDC	IP 66	1 kg	210 x 95 x85



Art. no. 3130

Art. no. 3130

Electric glass cutter, for a safe and versatile cutting of the windshield glass of end-of-life vehicles.

- Electric mechanism with special high speed drill machine and diamond milling cutter,
- Conveyor in aluminium for the evacuation of the generated glass dust,
- Vacuum cleaner with stainless steel container, power 2000 W, collection capacity 80 l.



Art. no. 3132

Art. no. 3132

PERAMM 60 is a mobile evacuation unit for shock absorbers, composed of a drill machine and an air-operated power supply unit.

The drill gun is equipped with a hydraulic cylinder which allows – by means of the power supply unit – to drill through the shock absorbers.

The power supply unit consists of a 100:1 – pneumatic pump which can achieve up to 500 bar pressure. For the suction of the shock absorber oil and the hydro steer oil another pneumatic pump must be connected which transfers the sucked oil into the included 20 l – plastic can.

Technical data drill machine

Diameter	Drill stroke	Max diameter shock absorber	Length hose
15 mm	30 mm	60 mm	4 m

Technical data power unit supply

Compressed air supply	Compression ratio	Max outlet pressure	Max air consumption
2 – 5 bar	100:1	500 bar	120 l/min

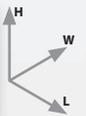


Art. no. 3135

Art. no. 3135

Mobile evacuation and recycling kit for air conditioning gas, consisting of an evacuation unit with a compressor that works with refrigerant gas types R12 and R134A, with a distillation system permitting the separation of the refrigerant from the oil, the filtration, the dehydration and the storage in 13 kg – standard gas cylinders. The kit includes also a pressure switch to enable a control when evacuation is finished and a protection against external pressure. Also included are a 250 ml – recipient for the collection of the oil eliminated from the gas, a 13 kg - gas cylinder, filling hoses of 1800 mm length and a 2 wheels - trolley.

Art. no.	Voltage	Power	Weight	Dimensions (LxWxH) (mm)
3135	230 VAC – 50 Hz	180 W	50 kg	510x530x920



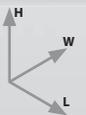
Art. no. 8226

Art. no. 8226

Diesel storage tank in reinforced painted steel, with self-supporting spill containment tray in steel, lifting plates, analogue level gauge and connections for the installation of the filling and dispensing equipment (f. ex. art. no. 6772 – see photo!). Optionally the tank can be supplied with a roofing which can be fixed in 4 openings already provided in the spill containment tray.



Art. no.	Capacity	Diameter tank	Dimensions (LxWxH) (mm)
8226/490	490 l	950 mm	1010 x 1010 x 250
8226/1000	1000 l	1100 mm	1600 x 1250 x 250
8226/1300	1300 l	1100 mm	1800 x 1250 x 300
8226/2400	2400 l	1270 mm	2350 x 1400 x 380
8226/3000	3000 l	1430 mm	2450 x 1500 x 410
8226/5000	5000 l	1600 mm	3210 x 1750 x 475



Art. no. 8229

Art. no. 8229

Petrol storage tank in painted steel, mounted in a wire protection cage, with spill containment pallet, hermetically sealed dome of \varnothing 300 mm with cover panel and counterflange of 10 mm wall thickness, refill tube and 2" – security valve.

The unit is equipped with a pneumatic, selfpriming rotary vane pump for the transfer of petrol, earth cable to enable an electrostatic discharge, pressure regulator, 3 m – rubber hose 3/4" with static wire and automatic dispensing nozzle.



Art. no.	Capacity	Weight	Dimensions (LxWxH) (mm)
8229	258 l	155 kg	920 x 830 x 1200

