WASTE OIL EQUIPMENT

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WASTE OIL GRAVITY RECEIVERS, 100 LITRES

372 200 Mobile waste oil receiver 100 litres, pump discharge
The unit is discharged with a 1:1 pressure ratio pump, located at the back of the unit, through a 1.5 m discharge hose with a dry break quick coupler.

372 300 Mobile waste oil receiver 100 litres, remote pump discharge
The unit is discharged with a wall mounted discharge pump kit (PN 559 100, not included) through a hydraulic dry break coupler located at the bottom of the tank. Includes hydraulic coupler (PN 950 352).

Mobile units for gravity collection of motor oil and gear oil as well as other non-aggressive A-III class automotive fluids. Receivers can be used under vehicle lifts and inside lubrication pits.

Main features
- 100 litres (26 US gallon) capacity, with side level gauge.
- Large tray for tools, washers, filters, etc. on top of the tank.
- One piece molded spoiler for securing the discharge hose in pressure discharge models.
- Two reinforced casters and two reinforced wheels.
- Composite and steel telescopic collection bowl, with 360° positionable oversized extension for wider reach. Anti-splash grid that can hold used filters for draining.
- Steel tank and collection bowl with epoxy powder coating.
MOBILE WASTE OIL RECEIVER 70 LITRES CAPACITY. PUMP DISCHARGE

373 200 Mobile waste oil receiver 70 litres pump discharge
The unit is discharged with a 1:1 pressure ratio pump, located at the back of the unit, through a 1.5 m discharge hose with a dry break quick coupler.

373 300 Mobile waste oil receiver 70 litres remote pump discharge
The unit is discharged with a wall mounted discharge pump kit (PN 559 100 not included) through a hydraulic dry break coupler located at the bottom of the tank. Includes hydraulic coupler (PN 950 352).

Mobile units for gravity collection of motor oil and gear oil as well as other non-aggressive A-III class automotive fluids. Receivers can be used under vehicle lifts.

Main features
- 70 litres (17 gallons) capacity, with side level gauge.
- Two reinforced casters and two reinforced wheels.
- Cylindrical telescopic collection bowl with strainer.
- Steel tank and collection bowl with epoxy powder coating.
MOBILE WASTE OIL SUCTION UNIT
WITH TRANSPARENT CHAMBER 100 L

372 600 Mobile waste oil suction unit, 100 litres
Mobile waste oil suction unit, 100 l capacity. Ideal use with all types of passenger cars, trucks, tractors, aircrafts, boats, etc.

372 100 Mobile waste oil suction unit, 100 litres with transparent chamber
Includes a 10 litres transparent chamber that can be used as vacuum reservoir and allows an immediate inspection of the extracted waste oil.

Mobile units for waste oil suction. Waste oil suction is carried out by an air operated vacuum pump with no moving and no wear parts, using a suction cane or adapter inserted into the motor oil dip-stick tube. All units include a 2 m suction hose with rubber handle and a set of adapters, suction canes and holder (PN 737 972).

Once the vacuum inside their tank is created, then these units can be used as autonomous units, disconnected from the air supply. The units are discharged through a 1.5 m discharge hose, pressurizing the unit at 0.5 bar (3.5 psi) with a tyre inflator. These units include a safety valve that prevents overpressure.

Main features
- 100 litres (26 US gallon) capacity, with side level gauge.
- Large tray for tools, washers, filters, etc. on top of the tank, with special holders for suction connectors.
- One piece moulded spoiler for securing the discharge hose.
- Two reinforced castors and two reinforced wheels.
- High performance and low noise vacuum pump.
- Complete suction canes and adapters kit with holder. Holder can be removed to clean it.
- Steel tank with epoxy powder coating.
MOBILE WASTE OIL SUCTION UNITS 70 LITRES AND 24 LITRES CAPACITY

373 600  Mobile waste oil suction unit, 70 litres
Mobile waste oil suction unit, 70 l capacity. Ideal for use with all types of passenger cars, trucks, tractors, aircrafts, boats, etc.

371 600  Mobile waste oil suction unit, 24 litres
Mobile waste oil suction unit, 24 l capacity. Ideal for use with cars, tractors, boats, etc. Gravity discharged by removing the cap on top of the unit.

373 100  Mobile waste oil suction unit with transparent chamber, 70 litres
Includes a 10 litres transparent chamber that can be used as a vacuum reservoir and allows an immediate inspection of the extracted waste oil.

Mobile units for waste oil suction. Waste oil suction is carried out by an air operated vacuum pump with no moving and no wear parts, using a suction cane or adapter inserted into the motor oil dip-stick tube. All units include a 2.0 m suction hose with rubber handle and a set of adapters, suction canes and holder 737 972.

Once the vacuum inside their tank is created, then these units can be used as autonomous units, disconnected from the air supply. Model 371 600 is gravity discharged by removing the cap on top of the unit. Models 371 100 and 373 600 are discharged through a 1.5 m discharge hose pressurizing them at 0.5 bar with a tyre inflator. These units include a safety valve that prevents overpressure.

Main features
• 70 litres (17 US gallon) capacity, with side level gauge.
• Two reinforced casters and two reinforced wheels.
• High performance and low noise vacuum pump.
• Complete suction canes and adapters kit with holder. Holder can be removed to clean it.
• Steel tank with epoxy powder coating.
COMBINED WASTE OIL SUCTION AND GRAVITY UNITS, 100 LITRES

372 500 Combined waste oil suction and gravity unit, 100 litres
Mobile waste oil suction unit, 100 l capacity. Ideal use with all type of passenger cars, trucks, tractors, etc.

372 000 Combined waste oil suction and gravity unit with transparent chamber, 100 litres
Includes a 10 litres transparent chamber that can be used as a vacuum reservoir and allows an immediate inspection of the extracted waste oil.

Mobile units that allow the collection of waste oil by gravity and by suction.
Waste oil suction is carried out by an air operated vacuum pump with no moving and no wear parts, using a suction cane or adapter inserted into the motor oil dip-stick tube. All units include a 2.0 m suction hose with rubber handle and a set of adapters and suction canes with holder (PN 737 972).
Gravity collection is carried out using a 20 litres capacity, height adjustable and oversized, collection bowl with an anti-splash grid.

Once the vacuum inside their tank is created, then these units can be used as autonomous units, disconnected from the air supply.

The units are discharged through a discharge hose, pressurizing the unit at 0.5 bar (3.5 psi) with a tyre inflator. These units include a safety valve that prevents overpressure.

Main features
- 100 litres (26 gallons) capacity, with side level gauge.
- Large tray for tools, washers, filters, etc. on top of the tank, with special holders for suction connectors.
- High performance and low noise vacuum pump.
- One piece moulded spoiler for securing the discharge hose.
- Two reinforced casters and two reinforced wheels.
- Composite and steel telescopic collection bowl, 360° positionable oversized extension for wider reach. Anti-splash grid that can hold used filters for draining.
- Complete suction canes and adapters kit with holder. Holder can be removed for cleaning.
- Steel tank with epoxy powder coating.
**COMBINED WASTE OIL SUCTION AND GRAVITY UNIT, 70 LITRES**

**373 000** Combined waste oil suction unit and gravity unit with transparent chamber, 70 litres

Includes a 10 litres transparent chamber that can be used as a vacuum reservoir and allows an immediate inspection of the extracted waste oil.

**373 500** Combined waste oil suction and gravity unit, 70 litres

Mobile waste oil suction unit, 100 litres capacity. Ideal use with all types of passenger cars, trucks, tractors, etc.

Mobile units that allow the collection of waste oil by gravity and by suction. Waste oil suction is carried out by an air operated vacuum pump with no moving and no wear parts, using a suction cane or adapter inserted into the motor oil dip-stick total. All units include a 2.0 m suction hose with rubber handle and a set of connectors and canes with holder (PN 737 972).

Gravity collection is carried out using a 20 l capacity, telescopic collection bowl with strainer.

Once the vacuum inside their tank is created, then these units can be used as autonomous units, disconnected from the air supply.

The units are discharged through a 1.5 m discharge hose, pressurizing the unit at 0.5 bar (3.5 psi) with a tire inflator. The units include a safety valve that prevents overpressure.

**Main features**

- 70 litres (17 gallons) capacity, with side level gauge.
- High performance and low noise vacuum pump.
- Two reinforced casters and two reinforced wheels.
- Cylindrical telescopic collection bowl with grid.
- Complete suction canes and connectors kit with holder. Holder can be removed to clean it.
- Steel tank with epoxy powder coating.
SPECIAL WASTE OIL AND COOLANT GRAVITY RECEIVERS

**PIT ROLLING DRAINER**

**439 100 Pit rolling drainer, 95 Litres**
Rolling drainer for installation between pit rails with minimum / maximum width 1040 / 1450 mm. 95 l (25 US gallon) capacity. Unit includes anti-splash grid, four vertical and four horizontal rollers for easy rolling and outlet with ball valve (1” BSP (F)). Allows the connection of a dry break hydraulic connector (PN 950 352) and connection adapters (PN 945 S13 + 945 S51) for discharge, once full, using a discharge pump kit (PN 559 100).

**LOW LEVER MOBILE DRAINERS**

**435 000 Low level mobile drainer, 20 litres**
Gravity discharge through a drain valve or using an evacuation pump kit (PN 559100) through a dry break hydraulic connector (PN950 352) (not included).

**436 000 Low level mobile drainer, 95 litres**
95 litres (25 US gallon) unit for use with passenger cars and small vans. Dimensions: 770 x 470 x 130 mm.

**COOLANT FLUID RECOVERY UNIT**

**436 100 Coolant fluid recovery unit**
95 litres low level waste oil drainer 436 000 equipped with a diaphragm pump, 1.5 m hose and control gun. The unit allows the draining of the coolant circuit of a vehicle without the use of a pit or lift. Thanks to the pump, it is possible to reuse the coolant fluid once the circuit has been repaired.

Recommended for use with industrial vehicles, construction machinery and agricultural vehicles.
WASTE OIL EVACUATION PUMP KIT AND ACCESSORIES

WASTE OIL EVACUATION PUMP KIT

559 100 Waste oil evacuation pump kit
DF100 double diaphragm pump kit for discharging waste oil drainers through a dry break hydraulic connector. Pump kit includes wall bracket, air connection hose with quick coupler and connector, 1.5 m oil discharge hose and 1.5 m suction hose with dry break hydraulic coupling to fit connector 950 352.

379 100 Waste oil evacuation pump kit
Similar to model 559 100, includes a PumpMaster 2 / 1:1 pressure ratio piston pump instead of 1” diaphragm pump.

WASTE OIL SUCTION CANES AND ADAPTERS

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<th>PART No.</th>
<th>TYPE</th>
<th>DIAMETER</th>
<th>LENGTH</th>
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<tbody>
<tr>
<td>737 952</td>
<td>Flexible</td>
<td>6 x 4 mm</td>
<td>700 mm</td>
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<tr>
<td>737 953</td>
<td>Flexible</td>
<td>8 x 6 mm</td>
<td>700 mm</td>
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<tr>
<td>737 954</td>
<td>Metallic</td>
<td>5 x 4 mm</td>
<td>700 mm</td>
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<td>737 955</td>
<td>Metallic</td>
<td>6 x 5 mm</td>
<td>700 mm</td>
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<tr>
<td>737 949</td>
<td>Flexible</td>
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<td>1,000 mm</td>
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<td>737 958</td>
<td>Flexible</td>
<td>6 x 4 mm</td>
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<td>737 959</td>
<td>Flexible</td>
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<td>1,200 mm</td>
</tr>
<tr>
<td>737 946</td>
<td>Flexible</td>
<td>8 x 6 mm</td>
<td>1,700 mm</td>
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</table>

Connection adapters
All suction hoses used in Samoa equipment are fitted with a special connector to fit into Mercedes Benz vehicles. For other vehicles select from the below adapters and canes.

737 947 VAG vehicles adapter
737 948 PSA vehicles adapter

Adapters and canes kits
737 950 Suction adapters and canes kit
Includes canes PN 737 952, PN 737 953, PN 737 954, PN 737 955 and PN 737 949 and adapters PN 737 947 and PN 737 946.
737 972 Suction adapters and canes kit with holder.
Includes the same canes and connectors as kit PN 737 950 plus a cane holder.

Product specifications are subject to change without prior notice
379 710 EVACUMASTER WASTE OIL SUCTION UNIT

Single point waste oil suction unit for collecting waste oil directly from the vehicle’s engine using a suction cane or adapter inserted into the motor oil dip stick tube. The unit is installed alongside the service bay and enables the cleanest method of waste oil collection. An air operated piston pump, specially designed for suction applications, extracts the waste oil and transfers it to a remote storage tank.

The unit includes:
- Air operated pump, optimised for suction.
- On/off valve, air filter with pressure regulator and adjustable timer to extend pump’s life.
- Vacuum gauge for monitoring the unit’s performance.
- Extra large capacity suction filter.
- 3 m long suction hose, suction canes and adapter kit with holder.

Product advantages
- Direct from the engine to the storage tank.
- No operator contact with the waste oil.
- No need for mobile equipment.
- Suction canes with quick connectors.
- Fixed installation with hose reels.
- No splashes or spills of waste oil onto the workshop floor.
- No leaking drain plugs.

Applications
Waste oil collection in maintenance facilities and workshops for:
- Cars.
- Truck and bus fleets.
- Earth moving and construction vehicles.
- Mining equipment.

379 711 Wall mounted waste oil suction unit
379 710 Pedestal mounted waste oil suction unit

TYPICAL INSTALLATION
For maximum efficiency, the pump should be installed as close as possible to the suction point at the same height as the engine oil sump. Installing the pump in any other position will increase the time required to extract the waste oil from the vehicle. Please observe the following maximum distances:

A Maximum distance between the pump and the suction point, including the hose in the hose reel: 12 m.
B Maximum suction height between the suction point and the hose reel inlet: 2.5 m
C Maximum distance between the pump outlet and the engine oil sump level: 1.0 m.

See page 105 for EVACUMASTER accessories
WASTE OIL SUCTION

AUTOVAC, HIGH VACUUM AUTOMATIC SUCTION SYSTEMS

High vacuum automatic unit for use in centralized waste oil suction systems in vehicle maintenance centres. The unit is easy to install and does not require any special in the field adjustments, it only requires to be connected to a compressed air supply and to a 230 V / 50 Hz power supply, to a pipe line to discharge to the waste oil storage tank and to a vacuum pipeline to the workshop suction points.

The unit includes
- Electric rotary vane vacuum pump, which achieves up to 95% vacuum. Due to the pumps high efficiency, it is possible to simultaneously use several suction points. Vacuum is distributed through the workshop by a pipeline.
- Vacuum tank, which is automatically pressurized for discharge to a waste oil storage tank when full. Once it has been discharged, the unit automatically generates the optimal vacuum conditions again.
- An electronic board, which controls the automatic operation of the unit.
- A high level sensor in the tank, which sends the signal to the board for the automatic discharge of the unit that continues until a low level sensor, also inside the tank, is activated to send the signal to regenerate the vacuum in the system.
- The system also includes a vacuum switch that stops the pump once the optimal vacuum has been created and automatically starts the vacuum pump again if it is required to build vacuum in the system. This way the vacuum pump only runs on demand and energy is saved.
- The system has the possibility of accepting a signal from a remote level sensor in the waste oil storage tank to avoid over filling it.

Product advantages
- Fully automatic operation.
- Direct from the engine to the storage tank.
- No personal contact with the waste oil.
- No need for mobile equipment.
- Suction canes with quick connectors.
- Fixed installation with hose reels.
- No splashes or spills of waste oil onto the workshop floor.
- No leaking drain plugs.

MODELS

<table>
<thead>
<tr>
<th>PART No.</th>
<th>AIR PRESSURE / ELECTRIC SUPPLY</th>
<th>POWER</th>
<th>AIR SUCTION CAPACITY</th>
<th>TANK CAPACITY</th>
<th>MAXIMUM VACUUM</th>
<th>DIMENSIONS (L X W X H)</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>393 100</td>
<td>6 bar - 230 V/50 Hz</td>
<td>450 W</td>
<td>200 l/min</td>
<td>80 litres</td>
<td>95 %</td>
<td>550 x 750 x 1.350 mm</td>
<td>180 kg</td>
</tr>
<tr>
<td>393 101</td>
<td>6 bar - 230 V/50 Hz</td>
<td>750 W</td>
<td>415 l/min</td>
<td>430 litres</td>
<td>95 %</td>
<td>750 x 1,150 x 1,900 mm</td>
<td>400 kg</td>
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</tbody>
</table>

Model 393 100 is recommended for small and medium workshops and allows simultaneous operation of up to 3 suction points.
Model 393 101 is recommended for large workshops and for use with commercial vehicles and allows simultaneous operation of up to 6 suction points.

See page 105 for AUTOVAC accessories

Product specifications are subject to change without prior notice
WASTE OIL EQUIPMENT ACCESSORIES

372 003 - 737 967

WASTE OIL SUCTION MOBILE SUCTION UNIT ACCESSORIES

372 003  Transparent chamber kit
10 litres transparent chamber for 70 and 100 litres capacity mobile waste oil suction units. Complete unit with air operated vacuum pump with vacuum gauge, 2 m suction hose with rubber grip, shut-off valve and connector for Mercedes vehicles.

737 967  Suction hose kit
2 m suction hose with rubber grip, shut-off valve and connector for Mercedes vehicles.

372 002 - 373 002

WASTE OIL RECEIVER ACCESSORIES

372 002  Collection bowl for 100 litre waste oil receiver
Collection bowl for 100 l receivers. Includes 20 litres capacity metal bowl, oversized extension, anti-splash grid, tube, shut-off valve, swivel and adapter for fixing the tube to the receivers.

373 002  Collection bowl for 70 litre waste oil receiver
Collection bowl for 70 l receivers. Includes 20 litre capacity metal bowl, tube, shut-off valve and adapter for fixing the tube to the receivers.

743 305

WASTE OIL COLLECTION BOWL

743 305, 20 litre cylindrical bowl
Ø 440 mm 20 litre capacity waste oil collection bowl. Metal construction and epoxy powder coated, includes tube and 2" bung adapter to fit on 50 and 205 litre drums.

432 000

DRUM TROLLEYS

432 000, 185 kg drum trolley
Trolley with two solid rubber wheels and one swivelling rubber wheel with brake.

431 000, 50 kg drum trolley
Four wheel trolley with tubular frame for 50 and 20 kg drums.

950 352 - 950 353

ACCESSORIES FOR WASTE OIL EVACUATION KITS

Dry break hydraulic connector 950 352 3/4" BSP (F).

Dry break hydraulic coupler 950 353 3/4" BSP (F).

Connection adapters 945 551, 3/4" BSP (MM) 945 513, 1 1/4" BSP (M) - 3/4" BSP (F)

Product specifications are subject to change without prior notice.
**EVACUMASTER AND AUTOVAC ACCESSORIES**

**WASTE OIL SUCTION HOSE REEL**

**506 503 Waste oil suction hose reel**
506 series single arm hose reel for waste oil suction, includes 6 m x 5/8” suction hose and 0.8 m x 5/8” reel inlet hose. Outlet and inlet threads: 1/2” BSP (M).
For use with both, EVACUMASTER and AUTOVAC units.

**737 974 Suction hose**
For connection to the hose reel, 0.7 m transparent hose with rubber grip, shut-off valve and connector for canes, adapters and Mercedes Benz vehicles. Connection thread: 1/2” BSP.

**743 799 Discharge hose kit**
For discharging mobile waste oil receivers fitted with a hydraulic type connector. For AUTOVAC system only.

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**AUTOVAC CONNECTION KITS**

**399 304 Connection kit for AUTOVAC model 393100**
Includes the hoses required to connect the AUTOVAC 393 100 to the waste oil suction and evacuation lines.

**399 322 Connection kit for AUTOVAC model 393 101**
Includes the hoses required to connect the AUTOVAC 393 101 to the waste oil suction and evacuation lines.

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**VALVE**

**950 300, 1/2” BSP (FF) shut off valve.**

**950 303, 3/4” BSP (FF) shut off valve.**

**SUCTION CANES & ADAPTERS KIT**

**737 972 Suction adaptors and canes kit with holder**
The EVACUMASTER unit includes a complete suction adapters and canes kit with holder. For the AUTOVAC suction adapters and canes should be ordered separately. It is recommended to have adapters and canes kit for each suction outlet.