

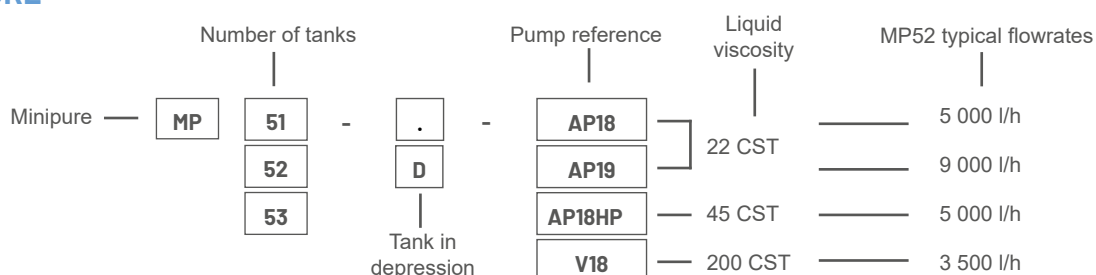
Minipure advantages

The machines of the MINIPURE range eliminate continuously all micro-chips, powder, solid particles, free-floating oils or in emulsion used for lubricating the machine (for soluble oils). Also suitable for spark machining, water jet cutting...

- Easy opening
- Interchangeable medias
- Entirely customizable
- Adapts on any machine
- In option : carter



MINIPURE



Technical features

Applications	Continuous elimination of all polutants
Material	Polypropylene
Max temperature	80°C
Pump	Self repriming centrifugal pump High efficiency Low noise Wide choice of technologies depending on the fluid viscosity
Flowrate	Up to 9000 L/h
Options	SAFE-TECH kit : dry run protection Mobile frame Watering kit : soluble oil cleaning Surface skimmer Floating skimmer

Siebec develops solutions meeting the requirements of all industrial fluid treatments. MINIPURE modular conception enables a wide range of module treatment in order to perfectly adapt to your needs.

MINIPURE Treatment

1



Pre-filtration bag : BAG-TECH

Enables the retention of larger swarf

- Porosity from 150 to 600 microns.
- Washable and reusable.
- Assembly and disassembly without tools.

2



Pleated cartridge : FIL-TECH

Great capacity filtration cartridge

- 5 m² filtration area.
- Washable and reusable.
- Assembly and disassembly without tools.
- Porosity of 5, 20 or 50 microns

3



Oil recovery : OIL-TECH

The cutting fluid goes through the container filled with a load of microfibers

- Great retention capacity of hydrocarbon grease.
- Hydrophobic: does not retain water or cutting fluid emulsion
- One 11L charge of microfibers enables the recovery of 6L of oil.

4



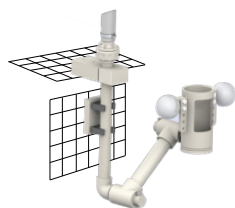
Magnetic filtration : MAG-TECH 3B

The liquid is channeled around the 300mm stainless steel magnetic rods which then collect metallic particles.

- Collects up to 3 kg of particles.
- Easy assembly and cleaning.
- Electromagnetic power of 3 800 Gauss

Options & accessories MINIPURE

1



Floating skimmer

Automatically adapts to a large variation in solution level while conserving optimum skimming.

2



Surface skimmer

Compact and easy installation thanks to a magnetic bracket

3



Safe-tech housing

Dry run protection

4



MINIPURE carter

Protection carter

5



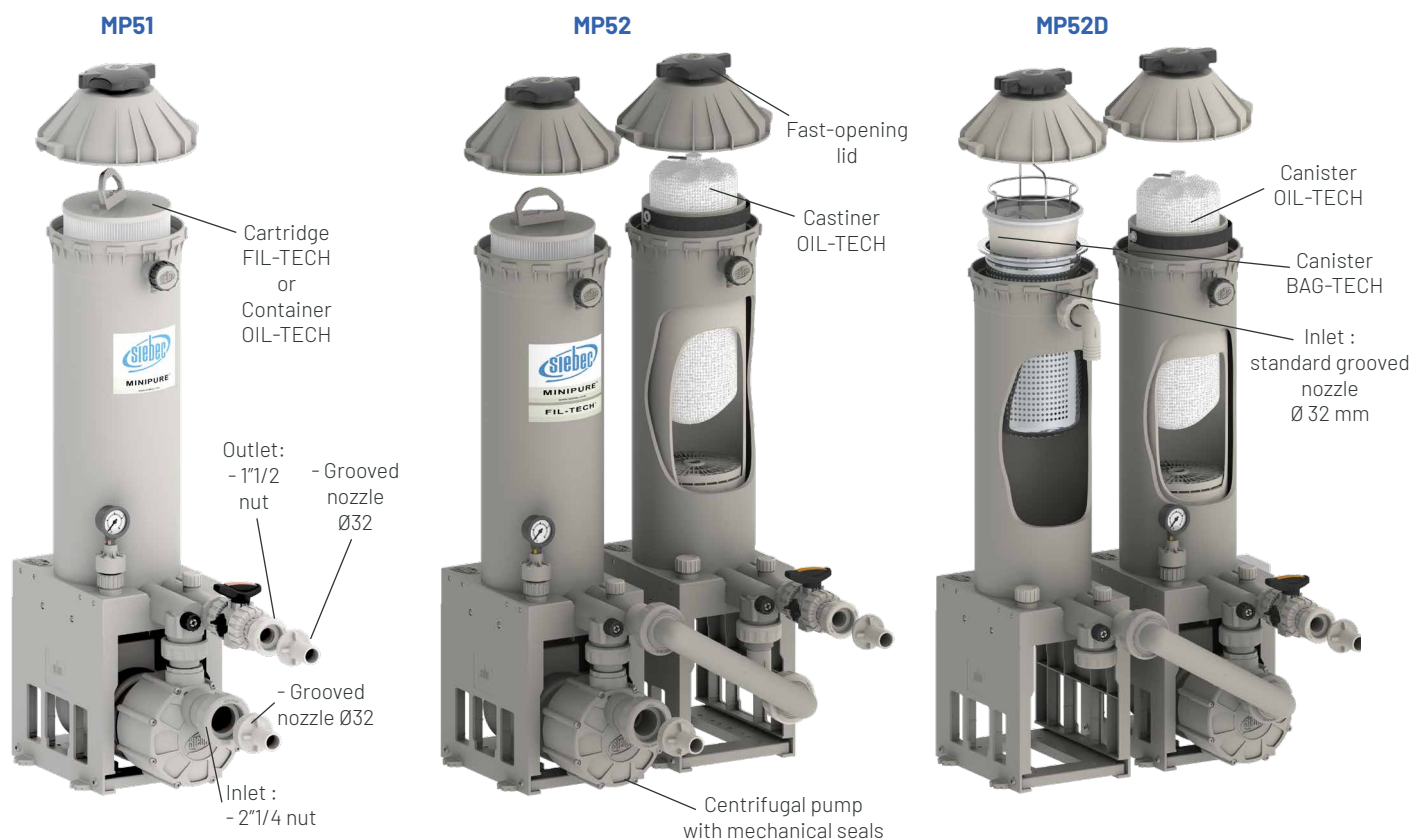
Spraying kit

For cleaning parts, tools and the inside of the machine with regenerated soluble oil.

6



Mobile frame



Model	MINIPURE MP51-AP18	MINIPURE MP51-AP18
Description	Single pressure tank, maximum flow rate 8 m ³ /h	Single pressure tank, maximum flow rate 8 m ³ /h
Pump	AP18 three-phase or single phase 0.55 kW, mechanical seals	AP18 three-phase or single phase 0.55 kW, mechanical seals
Filtering media	Cartridge FIL-TECH 5-20 µ	Container OIL-TECH
Functions	Filtration of small cuttings, powder and other solid particles	Removal of oil

Model	MINIPURE MP52-AP18	MINIPURE MP52D-AP18
Description	Twin pressure tank, maximum flow rate 7 m ³ /h	Twin underpressure/pressure tank, maximum flow rate 7 m ³ /h
Pump	AP18 three-phase or single phase 0.55 kW, mechanical seals	AP18 three-phase or single phase 0.55 kW, mechanical seals
Filtering media first tank	Cartridge FIL-TECH 20-50 µ	Pre-filtration bag BAG-TECH 150-600 µ
Filtering media second tank	Canister OIL-TECH	Canister OIL-TECH
Functions	Filtration of fine particles and solids, de-oiling	Recovery of cuttings, removal of oil

MP52D-AP18

The first tank is installed upstream of the pump. This tank is in underpressure and is used to collect large cuttings in a filter bag. It is washable and reusable. The second tank is fitted with a canister filled with microfibres designed to remove oil from the cutting or process fluid.

MP53D



Centrifugal pump with mechanical seals

MP51V



Inlet :
- Grooved nozzle Ø32
- 1 1/2" nut
Volumetric pump
Outlet :
- 1 1/2" nut
- Grooved nozzle Ø32

MP52DV



Cartridge FIL-TECH
Canister BAG-TECH
Inlet Standard grooved nozzle fitting Ø 32 mm

Model	MINIPURE MP53D-AP18	MINIPURE MP51V	MINIPURE MP52DV
Description	Triple underpressure/pressure tank, maximum flow rate 6 m ³ /h	Single pressure tank, maximum flow rate 4 m ³ /h	Twin underpressure/pressure tank, maximum flow rate 4 m ³ /h
Pump	AP18 three-phase or single phase 0.55 kW, mechanical seals	Volumetric, three-phase 0.75 kW	Volumetric, three-phase 0.55 kW
Filtering media first tank	Pre-filtration bag BAG-TECH 150-600 µ	Cartridge FIL-TECH 5-20-50 µ	Pre-filtration bag BAG-TECH 150-600 µ
Filtering media second tank	Cartridge FIL-TECH 5-20-50 µ	-	Cartridge FIL-TECH 5-20-50 µ
Filtering media third tank	Container OIL-TECH	-	-
Functions	Removal of cuttings, filtration of cutting fluids, removal of oil	Filtration of oils	Removal of cuttings, filtration of oils

MINIPURE MP53D

The first tank is installed upstream of the pump. This tank is in underpressure and is used to collect large cuttings in a filter bag. It is washable and reusable. The second tank is fitted with a cartridge for filtering the cutting fluids. The third tank is fitted with a canister filled with microfibres designed to remove oil from the cutting or process fluid.

MINIPURE MP52DV

The first tank is installed upstream of the pump. This tank is in underpressure and is used to collect large cutting in a filter bag. It is washable and reusable. The second tank is fitted with a cartridge for filtering the oil.

