

ConLine Option Brochure



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MobyDick COptions - Maximum functionality for your wheel washing system

More than 30 years ago FRUTIGER launched the MobyDick brand. Since then, over 4'500 MobyDick wheel washing systems have been installed in 72 countries. Building on this experience, FRUTIGER has developed a wide range of options which enable your wheel washing system to be adapted to different needs and to extend its function.

This brochure provides an overview of the MobyDick ConLine options and their possible applications in daily operation.

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Option Backwash of exit area

Option-Code: [-BAWS-]



Scope of supply:

- 2 nozzle bars with adjustable nozzles for installation in the exit area

Technical description:

The truck wheels and the chassis are usually cleaned with recycled water, which is not fully clear. This water and dirty washing water from mudguards and chassis drips off in the exit area where dirt particles from the water cover the road surface. The option "Backwash of exit area" prevents these fine particles from being carried off by regular backwashing (during each washing process).

Availability:

KIT Flex	400 B	400 C	400 MB	400 MC	800 B	800 C	800 MB	800 MC	KIT Plus	400 B-50P	400 B-100P	400 B-100S	400 C-50P	400 C-50Q	400 MB-50P	400 MC-50P	600 B-50P	600 B-100P	600 B-100S	600 C-50P	600 C-50Q	600 MB-50P	600 MC-50P	800 B-50P	800 B-100P	800 B-100S	800 C-50P	800 C-100Q
	✓	✓	✗	✗	✓	✓	✗	✗		✓	✓	✓	✓	✓	✗	✗	✓	✓	✓	✓	✓	✗	✗	✓	✓	✓	✓	✓

Option MobyDos Compact (Flocculent Dosing System)

Option-Code: [-DOSY-]



Scope of supply:

- Electromagnetic dosing pump with oil lubrication and diaphragm dosing head
- Control adaptation in the control cabinet

Technical description:

The addition of flocculent causes the fine particles to settle rapidly in the recycling tanks and enables to keep the volume of the tanks low. Besides, the flocculent stabilises the settled sludge thus making it easier to empty the tanks and at the same time improving the dewatering of the sludge. This effect also significantly enhances the function of a scraper conveyor.

As opposed to manual addition, the process can be automated with a dosing system and the consumption of flocculent can be minimized.

Availability:

KIT Flex	400 B	400 C	400 MB	400 MC	800 B	800 C	800 MB	800 MC	KIT Plus	400 B-50P	400 B-100P	400 B-100S	400 C-50P	400 C-50Q	400 MB-50P	400 MC-50P	600 B-50P	600 B-100P	600 B-100S	600 C-50P	600 C-50Q	600 MB-50P	600 MC-50P	800 B-50P	800 B-100P	800 B-100S	800 C-50P	800 C-100Q
	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Option Manual Wash

Option-Code: [-MAWS-]



Scope of supply:

- Gate valve and 2-way valve, hose and turning tube
- Control adaptation in the control cabinet

Technical description:

The manual cleaning device allows the operator to manually wash vehicles, equipment or machines by use of a hose. As long as washing is carried out in the entrance area with a downward slope towards the system, the wash water flows back into the tank where it is recycled together with the wash water of the entire system.

The manual cleaning device can also be used to keep the system and the surrounding area clean.

Availability:

KIT Flex	400 B	400 C	400 MB	400 MC	800 B	800 C	800 MB	800 MC	KIT Plus	400 B-50P	400 B-100P	400 B-100S	400 C-50P	400 C-50Q	400 MB-50P	400 MC-50P	600 B-50P	600 B-100P	600 B-100S	600 C-50P	600 C-50Q	600 MB-50P	600 MC-50P	800 B-50P	800 B-100P	800 B-100S	800 C-50P	800 C-100Q
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Option Safety Railing

Option-Code: [-RAIL-]



Scope of supply:

- Multi-part safety railing for easy installation in the square Frame profile of the recycling tank

Technical description:

The safety railing provides personal protection at and around recycling tanks. It prevents people from falling into the tanks unintentionally.

Availability:

KIT Flex	400 B	400 C	400 MB	400 MC	800 B	800 C	800 MB	800 MC	KIT Plus	400 B-50P	400 B-100P	400 B-100S	400 C-50P	400 C-50Q	400 MB-50P	400 MC-50P	600 B-50P	600 B-100P	600 B-100S	600 C-50P	600 C-50Q	600 MB-50P	600 MC-50P	800 B-50P	800 B-100P	800 B-100S	800 C-50P	800 C-100Q
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Option Separate Water Tank

Option-Code: [-TANK-]



Scope of supply:

- External Water Tank, painted in RAL 5017 (traffic blue)

Technical description:

In case there is no water connection close by the system, the separate water tank is placed next to the system above the water level of the recycling tank. Used water is automatically replenished by the float valve in the recycling tank.

Availability:

KIT Flex										KIT Plus																																													
	<	400 B	<	400 C	<	400 MB	<	400 MC	<	800 B	<	800 C	<	800 MB	<	800 MC		<	400 B-50P	<	400 B-100P	<	400 B-100S	<	400 C-50P	<	400 C-50Q	<	400 MB-50P	<	400 MC-50P	<	600 B-50P	<	600 B-100P	<	600 B-100S	<	600 C-50P	<	600 C-50Q	<	600 MB-50P	<	600 MC-50P	<	800 B-50P	<	800 B-100P	<	800 B-100S	<	800 C-50P	<	800 C-100Q

Option MobyDos Container

Option-Code: [-CONT-]



Scope of supply:

- Lockable container made out of profile frame and hot-dip galvanized corrugated sheet metal with solid wooden floor, roof insulation and external emergency stop
- Dimensions: 225 x 220 x 220 cm (LxWxH)

Technical description:

Lockable container with pre-installed holder and connections for the flocculent dosing system and the control cabinet. As a result, the electrical components are sheltered vandal-proof and the flocculent is protected from the cold by the antifreeze guard. Other equipment and wear parts can also be safely stowed in the container.

Availability:

KIT Flex																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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Option Fully insulated MobyDos Container

Option-Code: [-CONT-ISO-]



Scope of supply:

- Fully insulated, lockable container made of profiled frame and hot-dip galvanized, corrugated sheet metal with solid wooden floor, antifreeze guard and external emergency stop switch
- Additional: 15m heated flocculant hose
- External dimensions: 225x220x220cm (LxWxH)

Technical description:

Fully insulated, lockable container with an antifreeze guard and with pre-installed holder and connections for the flocculant dosing system and the control cabinet. As a result, the electrical components are sheltered vandal-proof and the flocculant is protected from the cold by the antifreeze guard. Other equipment and wear parts can also be safely stowed in the container.

Availability:

KIT Flex	400 B	400 C	400 MB	400 MC	800 B	800 C	800 MB	800 MC	KIT Plus	400 B-50P	400 B-100P	400 B-100S	400 C-50P	400 C-50Q	400 MB-50P	400 MC-50P	600 B-50P	600 B-100P	600 B-100S	600 C-50P	600 C-50Q	600 MB-50P	600 MC-50P	800 B-50P	800 B-100P	800 B-100S	800 C-50P	800 C-100Q
	x	x	x	x	x	x	x	x		<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	

Option Chassis Wash

Option-Code: [-CHWS-]



Scope of supply:

- 2 spray bars with nozzles, hose lines and hose clamps
- Material: steel, hot-dip galvanized, bronze, rubber

Technical description:

While the nozzle configuration of the wheel washing system is designed to meet the requirements of optimum wheel washing, the "Chassis Wash" option allows intensive cleaning of the underbody at the same time. Coarse soiling is washed off reliably.

Availability:

KIT Flex	400 B	400 C	400 MB	400 MC	800 B	800 C	800 MB	800 MC	KIT Plus	400 B-50P	400 B-100P	400 B-100S	400 C-50P	400 C-50Q	400 MB-50P	400 MC-50P	600 B-50P	600 B-100P	600 B-100S	600 C-50P	600 C-50Q	600 MB-50P	600 MC-50P	800 B-50P	800 B-100P	800 B-100S	800 C-50P	800 C-100Q
	x	x	x	x	x	x	x	x		<	<	<	<	<	x	x	<	<	<	<	<	x	x	<	<	<	<	<

Option Drip Pad

Option-Code: [-DRIP-]



Scope of supply:

- 2 robust, galvanized draining elements with wheel guides as well as a Steel duct with integrated 2% slope for washing water recycling
- Middle element with bevelled water drain plates, made of robust, galvanized checker plate
- Dimensions (LxWxH): 400x280x38 cm
- Load capacity: 15 tons per axle

Technical description:

As a rule, the truck wheels and the chassis are cleaned with not fully clear recycled water. This water and dirty washing water from mudguards and chassis drips off in the exit area so that dirt particles from the water settle on the road surface. The "drip pad" option collects the dirty water and returns it to the recycling tanks. This minimizes water loss and prevents fine particles from being carried out onto public roads.

Availability:

KIT Flex	400 B	400 C	400 MB	400 MC	800 B	800 C	800 MB	800 MC	KIT Plus	400 B-50P	400 B-100P	400 B-100S	400 C-50P	400 C-50Q	400 MB-50P	400 MC-50P	600 B-50P	600 B-100P	600 B-100S	600 C-50P	600 C-50Q	600 MB-50P	600 MC-50P	800 B-50P	800 B-100P	800 B-100S	800 C-50P	800 C-100Q
	x	x	x	x	x	x	x	x		✓	✓	✓	✓	✓	x	x	✓	✓	✓	✓	✓	x	x	✓	✓	✓	✓	✓

Option MobyHeat FSC 1

Option-Code: [-HEAT-FSC1-]



Scope of supply:

- Tank insulation in "sandwich" construction, inserted in metal frame
- Material frame: metal, lacquered
- Material panels: PUR, closed cell, harmless to health
- Weight: 10.41 kg/m2

Technical description:

The tank insulation prevents the washing water from freezing during light night frost (down to -3 °C). The recycling tank is covered with the tank insulation, a metal frame with integrated insulation panels. The insulations can also be produced for demanding layouts and are available for many tank combinations.

Availability:

KIT Flex	400 B	400 C	400 MB	400 MC	800 B	800 C	800 MB	800 MC	KIT Plus	400 B-50P	400 B-100P	400 B-100S	400 C-50P	400 C-50Q	400 MB-50P	400 MC-50P	600 B-50P	600 B-100P	600 B-100S	600 C-50P	600 C-50Q	600 MB-50P	600 MC-50P	800 B-50P	800 B-100P	800 B-100S	800 C-50P	800 C-100Q
	x	x	x	x	x	x	x	x		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Option MobyHeat FSC 2

Option-Code: [-HEAT-FSC2-]



Scope of supply:

- Thermostat, heating cable, connection cable, relay and control cabinet preparation for max. four pumps

Technical description:

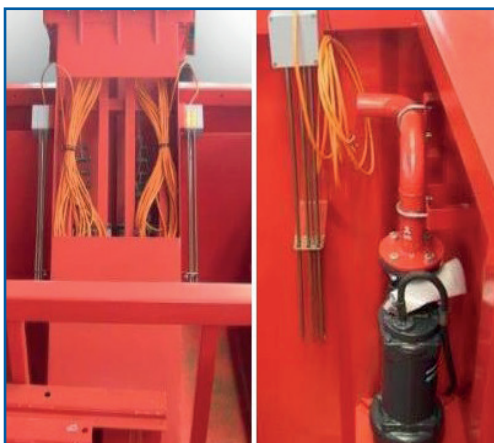
The pump pipe heating is suitable for use at temperatures at light and permanent frost. A heating wire is wound around the pump pipe in the area of the water level. If the temperature falls below the preset temperature on the thermostat, the heating wire is supplied with power and heated. This prevents ice from forming inside the pump pipes. Available only in combination with MobyHeat FSC1.

Availability:

KIT Flex	400 B	400 C	400 MB	400 MC	800 B	800 C	800 MB	800 MC	KIT Plus	400 B-50P	400 B-100P	400 B-100S	400 C-50P	400 C-50Q	400 MB-50P	400 MC-50P	600 B-50P	600 B-100P	600 B-100S	600 C-50P	600 C-50Q	600 MB-50P	600 MC-50P	800 B-50P	800 B-100P	800 B-100S	800 C-50P	800 C-100Q
	x	x	x	x	x	x	x	x		<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	

Option MobyHeat FSC 3

Option-Code: [-HEAT-FSC3-]



Scope of supply:

For 1 recycling tank with a maximum volume of 50m³

- 2 heating elements
- Antifreeze Thermostat
- Switch cabinet adaptation with interval control and contactors

Technical description:

As soon as the temperature drops below the preset value (factory setting 2 °C), the thermostat generates a start impulse causing the heating elements and the scraper conveyor (or auxiliary pump if no scraper conveyor is installed) to start. The heating elements operate continuously as long as the temperature remains below the set value. The scraper conveyor (or the auxiliary pump) also runs at a predefined interval, bringing the water in the tank into circulation. As soon as the washing pumps are activated, the power supply to the heating elements is interrupted. This ensures that the maximum power requirements of the system are met.

Available only in combination with MobyHeat FSC1 and FSC2.

Availability:

KIT Flex	400 B	400 C	400 MB	400 MC	800 B	800 C	800 MB	800 MC	KIT Plus	400 B-50P	400 B-100P	400 B-100S	400 C-50P	400 C-50Q	400 MB-50P	400 MC-50P	600 B-50P	600 B-100P	600 B-100S	600 C-50P	600 C-50Q	600 MB-50P	600 MC-50P	800 B-50P	800 B-100P	800 B-100S	800 C-50P	800 C-100Q
	x	x	x	x	x	x	x	x		<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	

Option Extended Clear Width

Option-Code: [-EXCW-]



Scope of supply:

- Two nozzle bars special

Technical description:

In case the wheel washing system is installed in confined spaces, the trucks may not be able to drive onto the system at an ideal angle. This increases the risk of damage to the side nozzle bars. This risk can be reduced by using the side-wall offset.

Availability:

KIT Flex	400 B	400 C	400 MB	400 MC	800 B	800 C	800 MB	800 MC	KIT Plus	400 B-50P	400 B-100P	400 B-100S	400 C-50P	400 C-50Q	400 MB-50P	400 MC-50P	600 B-50P	600 B-100P	600 B-100S	600 C-50P	600 C-50Q	600 MB-50P	600 MC-50P	800 B-50P	800 B-100P	800 B-100S	800 C-50P	800 C-100Q
	x	x	x	x	x	x	x	x		<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	

Option Grid Iron Cover

Option-Code: [-GRID-]



Scope of supply:

- Verzinkte und begehbare Gitterrostabdeckungen

Technical description:

The walkable grid iron on top of the recycling tank provides additional personal protection. It prevents people from falling into the tank unintentionally. This also prevents objects or leaves from falling into the tank and disrupting pump operation.

Availability:

KIT Flex	400 B	400 C	400 MB	400 MC	800 B	800 C	800 MB	800 MC	KIT Plus	400 B-50P	400 B-100P	400 B-100S	400 C-50P	400 C-50Q	400 MB-50P	400 MC-50P	600 B-50P	600 B-100P	600 B-100S	600 C-50P	600 C-50Q	600 MB-50P	600 MC-50P	800 B-50P	800 B-100P	800 B-100S	800 C-50P	800 C-100Q
	x	x	x	x	x	x	x	x		<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	

Option Third Nozzle Bar

Option-Code: [-3NOZ-]



Scope of supply:

- Two special side bars with three horizontal nozzle bars and two vertical nozzle tubes

Technical description:

The special side nozzle assemblies, each with three horizontal nozzle bars and two vertical nozzle tubes is used instead of the double nozzle bars. This widens the spray pattern and enables more intense cleaning of the wheel arches.

Availability:

KIT Flex	400 B	400 C	400 MB	400 MC	800 B	800 C	800 MB	800 MC	KIT Plus	400 B-50P	400 B-100P	400 B-100S	400 C-50P	400 C-50Q	400 MB-50P	400 MC-50P	600 B-50P	600 B-100P	600 B-100S	600 C-50P	600 C-50Q	600 MB-50P	600 MC-50P	800 B-50P	800 B-100P	800 B-100S	800 C-50P	800 C-100Q
	x	x	x	x	x	x	x	x		<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	

Option Cargo Moistening System with Recycling Water

Option-Code: [-CAMO-RECY-]



Scope of supply:

- Galvanized nozzle portal with fixed nozzles (Ø 3 mm) and a passage height of approx. 450cm

Technical description:

Galvanised nozzle portal for moistening the load with recycled water from the MobyDick recycling tank. It is triggered at the same time as the wheel washing system by the vehicle detection sensor. No additional pumps or tanks are required.

Availability:

KIT Flex	400 B	400 C	400 MB	400 MC	800 B	800 C	800 MB	800 MC	KIT Plus	400 B-50P	400 B-100P	400 B-100S	400 C-50P	400 C-50Q	400 MB-50P	400 MC-50P	600 B-50P	600 B-100P	600 B-100S	600 C-50P	600 C-50Q	600 MB-50P	600 MC-50P	800 B-50P	800 B-100P	800 B-100S	800 C-50P	800 C-100Q
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Option Cargo Moistening System with Fresh Water

Option-Code: [-CAMO-FRESH-]



Scope of supply:

- Galvanized nozzle portal with fixed nozzles (Ø 3 mm) and a passage height of approx. 450cm
- 1 fresh water / pump tank, volume approx. 4 m³
External dimensions: 2200 x 1300 x 1904 mm (L x W x H)
- 1 special submersible pump "MobyPump" with an output of 5.5 kW and a maximum delivery rate of 1'800 l/min, incl. pump neck and floating valve
- All necessary pressure water pipes from the fresh water basin to the nozzle portal (max. 4m)
- Control extension in the control cabinet

Technical description:

Galvanised nozzle portal for moistening the load with fresh water from an additional pump tank with a volume of approx. 4 m³. It is manually triggered by the truck driver.

Availability:

KIT Flex	400 B	400 C	400 MB	400 MC	800 B	800 C	800 MB	800 MC	KIT Plus	400 B-50P	400 B-100P	400 B-100S	400 C-50P	400 C-50Q	400 MB-50P	400 MC-50P	600 B-50P	600 B-100P	600 B-100S	600 C-50P	600 C-50Q	600 MB-50P	600 MC-50P	800 B-50P	800 B-100P	800 B-100S	800 C-50P	800 C-100Q
	x	x	x	x	x	x	x	x		<	<	<	<	<	x	x	<	<	<	<	<	x	x	<	<	<	<	<

Option Increased Drive Through Width (300 cm)

Option-Code: [-IDTW-]



Scope of supply:

- Reinforced and galvanized cover plates
- Widened connecting plates

Technical description:

The drive-through widening to 300 cm allows vehicles to pass more quickly when traffic volume is high

Availability:

KIT Flex	400 B	400 C	400 MB	400 MC	800 B	800 C	800 MB	800 MC	KIT Plus	400 B-50P	400 B-100P	400 B-100S	400 C-50P	400 C-50Q	400 MB-50P	400 MC-50P	600 B-50P	600 B-100P	600 B-100S	600 C-50P	600 C-50Q	600 MB-50P	600 MC-50P	800 B-50P	800 B-100P	800 B-100S	800 C-50P	800 C-100Q
	x	x	x	x	x	x	x	x		<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	

Option Hot dip calvanized side walls

Option-Code: [-SIWA-]



Scope of supply:

- Reinforced and galvanized side walls
- Galvanized nozzle bars

Technical description:

Hot-dip galvanised side walls and side nozzle bars are appropriate for long-term installation in stationary operations. The advantage of lightweight PVC parts is not relevant in these cases.

Availability:

KIT Flex	400 B	400 C	400 MB	400 MC	800 B	800 C	800 MB	800 MC	KIT Plus	400 B-50P	400 B-100P	400 B-100S	400 C-50P	400 C-50Q	400 MB-50P	400 MC-50P	600 B-50P	600 B-100P	600 B-100S	600 C-50P	600 C-50Q	600 MB-50P	600 MC-50P	800 B-50P	800 B-100P	800 B-100S	800 C-50P	800 C-100Q
	x	x	x	x	x	x	x	x		<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	

Option Heavy Duty Bollard

Option-Code: [-HDBO-]



Scope of supply:

- Hot-dip galvanized ram protection posts wrapped with signal tape
- External dimensions: 1132 x 85 x 96 mm (HxWxD)

Fastening kit: MDZ-100-119-1

Technical description:

Heavy duty bollards are mounted on the wheel guides on the entrance side and thus prevent unintentional driving onto the nozzle bars.

Availability:

KIT Flex	400 B	400 C	400 MB	400 MC	800 B	800 C	800 MB	800 MC	KIT Plus	400 B-50P	400 B-100P	400 B-100S	400 C-50P	400 C-50Q	400 MB-50P	400 MC-50P	600 B-50P	600 B-100P	600 B-100S	600 C-50P	600 C-50Q	600 MB-50P	600 MC-50P	800 B-50P	800 B-100P	800 B-100S	800 C-50P	800 C-100Q
	<	<	<	<	<	<	<	<		<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<

Option Installation and Commissioning

Option-Code: [-INCO-]



Scope of supply:

- Checking the installation and assembly
- Commissioning of the wheel washing system
- Instruction of the responsible personnel according to the operating instructions

Technical description:

Consulting, final assembly, commissioning and handover of the wheel washing system by a qualified FRUTIGER technician. Instruction of the on site personnel according to the operating manual.

Availability:

KIT Flex									KIT Plus																	
	< 400 B	< 400 C	< 400 MB	< 400 MC	< 800 B	< 800 C	< 800 MB	< 800 MC		< 400 B-50P	< 400 B-100P	< 400 B-100S	< 400 C-50P	< 400 C-50Q	< 400 MB-50P	< 400 MC-50P	< 600 B-50P	< 600 B-100P	< 600 B-100S	< 600 C-50P	< 600 C-50Q	< 600 MB-50P	< 600 MC-50P	< 800 B-50P	< 800 B-100P	< 800 B-100S



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