

# Sewer cleaning equipment

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A complete product range of custom equipment optimized for an efficient and environmentally-friendly sewer cleaning



# **Why** choose a Bucher unit?

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**Optimized for any job**

Cleaning pipelines and emptying large septic tanks, sand traps, oil and grease separators is not a problem for any unit from Bucher Municipal.



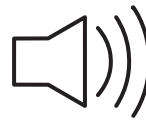
**Low maintenance costs**

Modularly built units with standardized components and a world-wide service network provide easy access to service and spare parts.



**Increased capabilities**

Adjust the tank size for water and sludge with the movable partition during the various tasks the operator meets on the field.



**Low noise levels**

Our trucks operate at around 75-80 dB. This is much quieter than a typical combi truck, which causes less disturbance in residential areas.



**Made to last**

Boilerplate steel, frost protection, and an 8-step paint process (corrosion class C3) ensure the unit can withstand the harshest conditions every time.



**Society and environment**

We live up to our responsibility to society and environment by focusing on functional engineering, environmental integrity and driving comfort.



**Best customer experience**

We are with you all the way from idea to delivery, training, and service to ensure that you always get the best customer experience.

# Customized & effective sewer cleaning

## Driven by better

At Bucher Municipal, we offer a full product range of sewer cleaning equipment for both municipal and contracting applications, using only high-quality materials, components from world-renowned suppliers and advanced technology. We are driven by a passion for people and a dedication to helping customers become better – by using less. We are driven by better.

## Performance and sustainability

The sewer cleaning units from Bucher Municipal are all developed, continuously tested around the world and perfected to ensure you get the best performance with a low environmental impact and a high return on investment. That is why our products are constantly playing a central role in ensuring both a sustainable approach to the use of water and a profitable business for our customers.

## Types and capacities

Sewer cleaning vehicles from Bucher Municipal are available as combination and combination/recycler system.

Different sizes for different capabilities. Choose between two, three or four axles.

Tank sizes available are 4 m<sup>3</sup>, 10 m<sup>3</sup>, 12 m<sup>3</sup> and 14 m<sup>3</sup> which can also be approved for transport of dangerous goods.

## Only the best is good enough

Attention to details is the very core of our business. We carefully choose our materials and follow well-documented procedures to ensure that every unit that leaves our factory can withstand the most extreme conditions - from the arctic temperatures of Siberia to the extreme heat of the deserts. That is why our tanks are built by highly-skilled welders, painted in an eight-step process to achieve the corrosion class C3, and made from boilerplate steel. Simply because we strongly believe that only the best is good enough.



### Bucher CityFlex

Compact, on-demand combi unit that solves all standard jobs safely and with minimum obstacles to traffic.



### Bucher FlexLine

The market's most popular and flexible combination unit optimized for both small and large tasks.



### Good fuel economy

The choice of materials and components used in the sewer cleaning equipment from Bucher Municipal are key to preserving a good fuel economy. E.g. the belt driven jetting pumps provide less energy loss, aluminium cabinets reduce the gross weight on all units and the continuous recycling system means less driving to refill the tank. All these contribute to a low fuel consumption and CO<sup>2</sup> emission.

### Effective workday

Sewer cleaning units from Bucher Municipal are optimized so only one person is needed to safely operate the equipment. A tank with a movable partition allows a larger volume of water and sludge, more time jetting and less time unloading and refilling. High payload and great storage options and accessories. The user-friendly interface makes it also easier to control and adjust the system.

## Advantages



### Reliability

Regardless of the unit you choose from Bucher Municipal, you can be sure it is built to outperform under demanding conditions through time.



### Safety

Tank with a low centre of gravity, work lamps, beacons and a hand wash facility are some of the things that increase your safety on the field.



### Cost

International components, CAN-BUS control, modularly built means easier spare part replacement, faster service and less down-time.



### Technology

A tank with a movable partition keeps water and sludge separated, a continuous recycling system and intuitive interface, to name some.



### Bucher Recycler

Truly continuous five-step recycling system optimized for any task size. No need to refill water or stop jetting.



### Bucher Remote Reel

The smart companion that will allow you to access hard-to-reach and off-road areas a standard sewer cleaner can't.







# Bucher CityFlex

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Optimized  
for the city

# Customized for **on-demand** jobs

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## Agile and versatile

The Bucher CityFlex is an extremely agile and versatile unit for all those jobs located in narrow and densely populated areas. Even when the job requires driving in-between or inside buildings, such as in factory premises, the Bucher CityFlex always shines through.

Work with minimum obstruction to traffic. This small unit is as efficient as its larger counterparts but also more cost effective and easier to manoeuvre in narrow spaces.

## A compact unit for urban areas

Despite its size, this unit carries an impressive legal payload and fuel economy. Increase efficiency and production while keeping a low environmental footprint in areas where competitors cannot reach.

## Intuitive operation

The remote control and control panel, make the Bucher CityFlex intuitive in operation. With these, you can operate, for example, the hydraulic end-cover and hose reel. The fully-automatic operation also allows for the transport valves to close automatically when the PTO is disengaged.

These are just some of the functions that enables the operator to easily and quickly perform a task and move on to the next one without having to carry out manual work.

## Built with modules

The Bucher CityFlex is built in modules and with standard components from international suppliers. This enables us to offer short delivery times as well as fast and efficient service worldwide.



## Bucher CityFlex C40

4 m<sup>3</sup> tank approved for 0.5 bar overpressure and a movable partition that keeps water and sludge separated.

## City's best ally

Its small size and telescopic boom allow you to work with minimal obstruction to traffic, pedestrians and cyclists.

## Industry's ideal partner

Compact, agile and powerful. Move around and work even inside industrial buildings without a problem.





## Get to know the Bucher CityFlex



The Bucher CityFlex is a full combi unit, despite its small size. It can be equipped with CCTV, making it very flexible and eliminating the need for a separate CCTV van.



The small size and weight of the Bucher CityFlex makes it possible to easily and safely access those otherwise inaccessible urban areas.



This unit is suitable for all standard jobs within sewer cleaning, since it has the full flexibility as other larger units. Operation is via the control panel and remote control.



Developed to accommodate the rising need for compact mobile jetting and suction solutions in urban areas with low accessibility and weight restrictions.





## Bucher CityFlex power on the go

	<b>Bucher CityFlex C40</b>
Tank volume	4 m <sup>3</sup>
Partition	Hydraulic
High-pressure pump	127 l/min @ 160 bar
High-pressure hose reel	¾" 80 m & ½" 60 m
Vacuum pump	10,200 l/min @ free flow
Vacuum cassette	3" hose, 2000 mm extension
Vacuum transport reel	3" 40 m (20+10+10 m)
Frost protection	9 kW
Storage	4 cabinets, 2 shelves, 1 tool box, 1 drawer





#### Controls and boom

The intuitive control panel is conveniently mounted on the back of the tank, behind the jetting reel for a close control of the sewer cleaning system. A 12-function remote control makes it convenient and safe to operate the unit. The boom has a telescopic extension and moves independently from the jetting reel minimizing obstruction to cyclists and pedestrians.

#### Detachable vise

Enjoy even more versatility on your mobile work station. A practical vise is mounted on one of the sides of the tank. Fix any sudden adjustment work that may arise on the field for your equipment during your regular work day. Hold an item with the sturdy vise, such as a jetting hose and nozzle, in a safe and secure manner so you can easily work on it.

#### Storage and equipment

Keep your gear safely stored during your workday. Enjoy multiple and spacious storage options around the unit such as cabinets, shelves, tool box and drawer. All cabinets are lockable and most of them are supplied with LED light and heat. The equipment on the Bucher CityFlex, such as transport reel and nozzle set are carefully chosen to optimize your day on the field.

#### Hygiene on top

The Bucher CityFlex is fitted with a built-in hand wash facility provided with cold and warm water. Wash your hands with clean water and keep the area spill free thanks to the basin which collects the liquid and drains it into a small container when folded up. For operators, this is not only a contribution to a good hygiene but also to a safe and healthy work environment.







# Bucher FlexLine

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All-round  
combi unit



# Multi-purpose unit ready to outperform

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## Flexibility at its best

With the Bucher FlexLine series you can experience the many benefits these all-round units with high flexibility can give to your business. Do anything from regular private household work to larger tasks for water companies and industrial clients. No wonder this is most popular choice for most.

## Improve your bottom line

Improve your bottom line while tending to all kinds of tasks such as preventive and emergency cleaning of sewer mains, cleaning of blocked service lines, as well as emptying and cleaning of collection and septic tanks,

Other applications are watering of roads, cleaning chemical tanks and oil separators, transport of dangerous goods, emptying wells and sand traps.

## Optimize your workday

Frost protection, cabinets with heat and LED lights, and clothing cabinets are just some of the elements that provide extra comfort in everyday tasks. In addition, it is possible to add a hose guide, meter counter and extension ladders depending on the desired Bucher FlexLine model.

## Modularly built

Our Bucher FlexLine units are built in modules and with standard components from international suppliers. This allow us to offer short lead times and a fast service on a global scale.



### Bucher FlexLine C100

10 m<sup>3</sup> tank approved for 1 bar overpressure and a movable partition that keeps water and sludge separated.



### Bucher FlexLine C120

12 m<sup>3</sup> tank approved for 1 bar overpressure and a movable partition that keeps water and sludge separated.



### Bucher FlexLine C140

14 m<sup>3</sup> tank approved for 1 bar overpressure and a movable partition that keeps water and sludge separated.





## Get to know the Bucher FlexLine series



Its many possible applications, ease of operation and high-quality construction and material provides the highest performance in both urban and industrial tasks.



You can rely on this unit to deliver results on multiple applications thanks to the high quality design, construction and materials tested and requested worldwide.





## Bucher FlexLine versatile on the field

	<b>Bucher FlexLine C100</b>	<b>Bucher FlexLine C120</b>	<b>Bucher FlexLine C140</b>
Tank volume	10 m <sup>3</sup> : 1 bar overpressure	12 m <sup>3</sup> : 1 bar overpressure	14 m <sup>3</sup> : 1 bar overpressure
Tank partition positions	3 fixed, 1 floating, pneumatic	3 fixed, 1 floating, pneumatic	4 fixed, 1 floating, pneumatic
High-pressure pump	333 l/min @ 170 bar	333 l/min @ 170 bar	333 l/min @ 170 bar
High-pressure hose reel	1" 200 m & ¾" 50 m + ½" 60 m	1" 200 m & ¾" 50 m + ½" 60 m	1" 200 m & ¾" 50 m + ½" 60 m
Vacuum pump	21,666 l/min @ free flow	26,666 l/min @ free flow	26,666 l/min @ free flow
Vacuum cassette	4" hose, 2000 mm extension	5" hose, 2000 mm extension	5" hose, 2000 mm extension
Vacuum transport reel	3" 20+20+10 m	3" 20+20+10 m	3" 20+20+10 m
Frost protection	9 kW	9 kW	9 kW
Storage	6 cabinets, 2 shelves, 1 tray	6 cabinets, 2 shelves, 1 tray	7 cabinets, 2 shelves, 1 tray





**Controls and boom**

Set up, operate and adjust the sewer cleaning unit's system with the two control panels. One of them is fitted inside one cabinet and the other one on the back of the tank. A 12-function remote control makes it convenient and safe to operate the unit. The telescopic boom moves separately from the jetting reel minimizing obstruction to cyclists and pedestrians.

**Small jetting hose reel**

Ideal for those smaller jobs where less water is needed and where smaller pipes are involved such as those found on residential areas. This small jetting reel is also useful for the cleaning of your sewer cleaning tank after having emptied the sludge. Because water consumption is less when using this hose, you can stay a longer time on the job.

**Storage and transport reel**

Keep your gear safely stored during your workday. Enjoy multiple and spacious storage options around the unit such as cabinets and shelves. All cabinets are lockable and most of them are supplied with LED light and heat. If you need to extend the reach of your main suction hose, you can use the extra hoses placed on the transport reel mounted on the side.

**Service points**

Find all your sewer cleaning unit's service points collected in one place for ease of use. These service points include a connector for water filling as well as points for cleaning and emptying which are used for the maintenance of the filter-unit cyclone. These service points are mounted on the side of the tank next to the cabin and under the frost protection unit (oil burner).



# Sewer cleaning equipment for a **wide range** of applications

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# Bucher Recycler

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Do more  
with less



# Uncompromising **sustainability**

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## **Made for the business that matters. Yours.**

Forget about leaving the site to refill water or even water trucks; the Bucher Recycler can finish the job easier, faster, and overall more cost effectively.

Specially designed for major jetting jobs where the fully automated cleaning process ensures a full continuous recycling of the jetting water. This offers significant savings on water and fuel by minimizing the need to transport process water.

## **Alternative applications**

The Bucher Recycler can be used as a stationary sewage treatment plant as well as a traditional sewer cleaning unit for both large and small jobs the unit is completely self-sufficient with a fully automatic water cleaning system.

## **Recycling system**

Our five-step recycling system is the market's most effective thanks to its continuous operation, which ensures you can clean the pipes easier, faster and uninterruptedly.

## **Increase efficiency by 55%**

The movable partition and the world-leading recycling system provide the means to increase efficiency in jetting, water-filling, and driving by up to 55%. Being able to turn off the recycling system and use the unit as a conventional combination system adds an extra to the efficiency.



**Bucher Recycler CR120**  
12 m<sup>3</sup> tank approved for 1 bar overpressure with a movable partition and 5-step continuous recycling system.



**Bucher Recycler CR140**  
14 m<sup>3</sup> tank approved for 1 bar overpressure with a movable partition and 5-step continuous recycling system.





## Get to know the Bucher Recycler



Eliminate the use of fresh water supply on your sewer cleaning jobs. The Bucher Recycler reuses water from the sewer itself and once filled, the unit is completely self-sufficient with a fully automatic water recycling system.



The Bucher Recycler units are designed to perform on traditional sewer cleaning jobs with respect for environmental zones in cities in term of weight, emission of CO<sup>2</sup> noise level and of course fresh water consumption.





# Bucher Recycler industry's new gold

	<b>Bucher Recycler CR120</b>	<b>Bucher Recycler CR140</b>
Tank volume	12 m <sup>3</sup> : 1 bar overpressure	14 m <sup>3</sup> : 1 bar overpressure
Tank partition positions	2 fixed, pneumatic	3 fixed, pneumatic
High-pressure pump	390 l/min @ 140 bar	482 l/min @ 150 bar
High-pressure hose reel	5/4" 150 m & 3/4" 50 m + 1/2" 60 m	5/4" 300 m & 3/4" 50 m + 1/2" 60 m
Vacuum pump	26,666 l/min @ free flow	26,666 l/min @ free flow
Vacuum cassette	5" hose, 2000 mm extension	5" hose, 2000 mm extension
Vacuum transport reel	3" 20+20+10 m	3" 20+20+10 m
Recycling pump	Vogelsang VX136-105, hydraulic	Vogelsang VX136-105, hydraulic
Frost protection	9 kW	9 kW
Storage	6 cabinets, 2 shelves, 1 tray	7 cabinets, 2 shelves, 1 tray





**Controls and boom**

Set up, operate and adjust your sewer cleaning unit's system with the two control panels. One fitted inside a cabinet and the other one at the back of the tank. For a more convenient and safe operation, a remote control with 12-functions is provided. The telescopic boom moves separately from the jetting reel minimizing obstruction to cyclists and pedestrians.

**Storage options**

Keep your gear safely stored during your workday. Enjoy multiple and spacious storage options around the unit such as cabinets, shelves, tool box and tray. All cabinets can be locked and most of them are supplied with LED lights and heat. All Bucher Recycler units are equipped with a large clothing cabinet which is fitted with a sturdy cloth hanging rod.

**Work lamps and beacons**

The safety of all operators is one of our top priorities when designing our units. All Bucher Recycler units are equipped with a set of strong LED working lights, rotating beacons, flash lights, and side lights as well as reflective tape. These are located strategically around the unit so you can both see better and be seen at dark. Stay safe even during those late work shifts.

**Recycling system**

Automatic water recycling happens in five continuous steps: 1. A coarse filter cleans the surface water from the sludge tank. 2. Centrifugal cyclones separate solids which are led back into the sludge tank. 3. The water is cleaned by gravitational settlement. 4. The water runs through the fine filter. 5. Water is filtered at the intake of the high-pressure pump.







# **Bucher Remote Reel**

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All-terrain  
companion



# Go **off-road** and reach difficult areas

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## Easy and safe access

Experience the benefits on a day-to-day basis when you are no longer challenged by the terrain. With the Bucher Remote Reel, you are guaranteed an easy and safe access to difficult jetting tasks.

## Tracked undercarriage

Take the Bucher Remote Reel safely through rubble, rough terrain, fields and even stairs. The tracked undercarriage has a low ground pressure which is useful when going over soft surfaces to not sink. The adjustable width brings that extra stability when driving the unit around.

## High manoeuvrability

Its small size, weight distribution, motorized and adjustable tracked undercarriage and intuitive panel control makes this unit highly manoeuvrable even in complex surfaces.

## Compact size

The Bucher Remote Reel packs a lot of benefits within its small size. Minimize any obstruction to traffic and easily get through narrow areas and into zones where a standard sewer cleaning unit cannot access not only due to size but also weight restrictions.



## One man operation

A robust operator's platform, an intuitive control panel, and a hydraulic hose reel makes this unit easy and safe to use.

## Extensible support legs

Two extensible legs can be positioned on the ground for added stability when handling the hose reel.

## Hydraulic hose reel

The hose reel works with hydraulic action and can be operated automatically and manually (free-run).





## Get to know the Bucher Remote Reel



Keep safety on top thanks to an adjustable, tracked undercarriage, support legs for tipping the hose reel, a sturdy operator's platform with handles and accessories such as a powerful LED work lamp and beacon.



The Bucher Remote Reel is the perfect companion for any sewer cleaning unit unable to reach certain areas due to terrain or low accessibility. Keep costs down by performing the job completely on your own.





## **Bucher Remote Reel** your unit's helper

	<b>Bucher Remote Reel</b>
Hose reel hydraulic operation	0-4 km/h
Hose reel manual operation	Free-run
Hose size (option 1)	1" 200 m
Hose size (option 2)	5/4" 150 m
Horse power	11.7 HP
Track crawler	Rubber, adjustable
Operator platform	Yes
Lights	2, work lamp and beacon
Storage	1 tray and 1 cover hook holder





**Control panel**

A simple and intuitive control panel is mounted at the back to manage all functions of the Bucher Remote Reel. Easily control speed, operate the hose reel and adjust the undercarriage tracks from the safe operator's platform.

**Work lamp & beacon\***

The operators' safety is one of our top priorities on all our units. The Bucher Remote Reel can be fitted with a set of accessories such as a strong LED work lamp and a rotating beacon. Stay safe even during those late work shifts.

**Tool tray\***

Take your tools and/or work gear with you wherever you go. This practical and sturdy accessory is mounted on the back for easy access to your tools. Small perforations on the tool tray allow water to drain through.

**Cover hook holder\***

Store your cover hooks on the functional holder accessory and bring them with you wherever you go. The cover hook holder can be mounted on the side of the Bucher Remote Reel for easy storage and access.

\*Work lamp, beacon, tool tray and cover hook holder are available as accessories.



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At Bucher Municipal, we innovate and engineer better cleaning and clearing solutions, helping our customers grow and maintain efficient and profitable businesses. Leveraging the over 200-year-old heritage of Bucher, we are committed to helping you achieve more using less. Taking pride in being seen as a reliable partner, we work locally with you in realising the possibilities for a smarter, cleaner and more efficient tomorrow. Today.



- Bucher Municipal locations
- Distribution Partners

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**Driven by better**

Service centre Silkeborg  
Lillehøjvej 15  
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