

M a c h i n e s

Overview spring machines



- Powerful electric motors
- Perfect quality springs with Riocore® inner core
- Reliable, easy square spring coupling system
- Automatic spring feed units
- Closed spring drums
- Compact build and lightweight



The spring machines consist of manual and electrical drum- and suitcase spring machines for the professional cleaning of drain and sewers from \varnothing 12 mm up to \varnothing 250 mm. The automatic spring feed unit ensures, in combination with the perfect cleaning springs, the solution for all drain and sewer cleaning problems. Our springs have the unique Rioned spring coupling system which combines reliability and user friendliness when connecting/disconnecting accessories. Furthermore all the springs contain the blue Riorcore® steel wire with a plastic coating which makes the spring stronger and improves cleaning power.

Powerful electric motors

Rioned spring machines are equipped with powerful electric motors with optimum revolutions and capacity reserves for extreme circumstances.

Reliable, easy square spring coupling system

As from 10 mm diameter, our springs have the unique Rioned square coupling system, allowing all different kinds of tools to be used, depending on the type of blockage.

Perfect quality springs with Riocore® inner core

Rioned springs are equipped with the Riocore® blue inner core. This core of steel wire with plastic make the springs even more stable and improves the cleaning power which gives a longer lifetime.



Automatic spring feed units

The electrical spring machines are equipped with an automatic spring feed unit, feeding the spring into and out of the spring drum automatically.

Closed spring drums

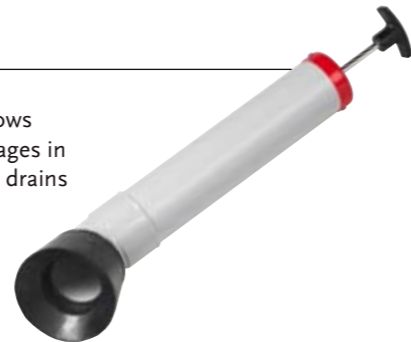
Rioned spring machines are all supplied with a closed spring drum ensuring a clean working spot.

Compact build and lightweight

Rioned spring machines are made of light materials such as aluminium and synthetic material. This, combined with the compact construction of the machines, make Rioned Spring Machines easy to transport and easy to handle in narrow spaces.

Siphon pump

The Siphon pump is powerful and allows quick and easy cleaning of light blockages in wash basins, baths, kitchen sinks and drains by means of pressure and suction.



Closest auger

The closet auger is ideal for the service and maintenance of toilets and siphons up to a maximum length of 1.10 metre, incorporating a plastic toilet protection preventing any damage to the toilet glaze.



TYPE D

Ø Drain/sewer	20 mm - 50 mm
Ø Spring	6 - 7 mm
Spring length	5 - 7,5 m
Weight incl. spring	1,5 kg

Super

The Super is the strengthened version of Type D. Different spring lengths and spring diameters can be mounted in the Super drum.



SUPER

Ø Drain/sewer	20 mm - 75 mm
Ø Spring	6 - 8 - 10 mm
Spring length	7,5 - 10 m
Weight incl. spring	4 kg

HandMatic

The HandMatic is an electric spring machine, which is suitable for cleaning drains up to 75 mm. The HandMatic can be delivered, inclusive of drilling machine, or as a set-up unit which is suitable for any type of drilling machine (with forward and reverse facility).

The spring is capable of cleaning drains to their full length, including bends and siphon traps. The automatic spring feed unit will feed the spring in and out of the spring drum.

The springs have coiled bulbous heads. The 10 mm spring has the unique Rioned square coupling system, allowing all different kinds of tools to be used, depending on the type of blockage.

The spring drum is closed, preventing walls and floors from becoming dirty during unblocking.



HANDMATIC

Motor	230 Volt / 0,63 kw
Ø Drain/sewer	12 mm - 75 mm
Ø Spring	6 - 8 - 10 mm
Spring length	7,5 - 10 m
Weight incl. spring	6 kg
Maximum DbA	84





FlexMatic

The FlexMatic is the ideal spring machine for professional cleaning of drains and sewers from Ø 12 - 75 mm. The lightweight and compact design, in combination with the flexible adapter hose, makes it easy to handle and manoeuvre in narrow spaces.

Because of the unique design, the automatic spring feed unit has an excellent grip and large roller bearings for long term use. It is easy to operate by pressing the handle to drive the spring in and out of the drain. The spring rotates in neutral position whenever the handle is released. The flexible adapter hose is ideal for narrow spaces.

The air activated foot switch turns the machine on and off which leaves both hands free for working.

The springs have coiled bulbous heads. The 10 mm springs have the unique Rioned square coupling system, allowing all different kinds of tools to be used.

FLEXMATIC

Motor	230 Volt / 0,18 kw
Ø Drain/sewer	12 mm - 75 mm
Ø Spring	6 - 8 - 10 mm
Spring length	7,5 - 10 m
Weight incl. spring	13 kg
Maximum DbA	72



EasyMatic

The EasyMatic is a modern spring machine that can handle each cleaning job in the house. It cleans kitchens, baths, toilets pipes and stack pipes. Suitable for springs from Ø 8 - 13 mm and for all drains from Ø 12 - 100 mm.

The EasyMatic is unique for its large spring drum. This makes the machine suitable for springs with a diameter up to 13 mm or a length up to 15 m. The drum and the frame are made of aluminium and contribute to the modern design of the EasyMatic. Furthermore because of the aluminium construction of the drum the machine is lightweight and very easily transported. Naturally the drum is closed to keep the work area clean. The drum can easily be changed with a quick release system.

The new automatic spring feed concept allows the spring to feed in and out of the drain with one movement. The EasyMatic also has a footswitch so that users can keep both hands free for the real cleaning work.

The EasyMatic is made out of strong materials and can be completely dismantled to replace parts.



EASYMATIC

Motor	230 Volt / 0,18 kw
Ø Drain/sewer	12 mm - 100 mm
Ø Spring	8 - 10 - 13 mm
Spring length	7,5 - 15 m
Weight incl. spring	As from 18,5 kg
Maximum DbA	72



Allround

For larger cleaning jobs, the powerful electric driven Allround is ideal for sewers and drains of Ø 40 - 125 mm. To deal with stubborn blockages in larger sewers, the springs are supplied with square couplings in order to connect accessories, for all different kind of blockages.

The inlet guide tube and the automatic spring feed unit enables you to work safely and with comfort.

With an extra spring drum you can work with a maximum length of 30 metres with a 16 mm spring.

Five standard accessories are packed with the Allround model, including a metal case which can be transported in the special support. An extensive accessories kit is also available.

This spring machine meets all requirements for safety and is user friendly. It is very easy to transport, compact in design and has an adjustable hand grip.



ALLROUND

Motor	230 Volt / 0,25 kw
Ø Drain/sewer	40 mm - 125 mm
Ø Spring	13 - 16 mm
Spring length	5 - 15 - 20 m
Weight incl. spring	42 kg
Maximum DbA	75



Spring machines

Spring machines

Master

The Master is the larger version of the Allround. All obstinate blockages such as roots, urine, stone and chalk can be cleared with this machine. The Master will clean drains and sewers from Ø 70 - 250 mm.

The spring is protected by an aluminium spring drum, which ensures a clean working spot. With 2 extra spring drums you can work with a maximum length of 60 metres with a 20 mm spring.

The Master comes with six standard accessories/tools packed into a metal case which can be transported in the special support. An extensive accessories kit with special cleaning heads is also available.

The Master is safe and user friendly. It is very easy to transport, compact in design and has an adjustable hand grip.



MASTER

Motor	230 Volt / 0,45 kw
Ø Drain/sewer	70 mm - 250 mm
Ø Spring	16 - 20 mm
Spring length	20 m
Weight incl. spring	71 kg
Maximum DbA	76



Mini Victor dual speed

The Mini Victor dual speed is the perfect machine for cleaning down pipes with a diameter from Ø 32 - 150 mm over a maximum length of 40 metres. The Mini Victor is supplied with an electric motor with a two direction switch (L-R).

This machine is very easy to operate by means of a hand grip on the machine. The unique, easy to clean, clamping system clamps over the full length of the spring for optimum transmission of the motor capacity.

The flexible adapter hoses with length 2 metres (16 mm) or 4 metres (22 mm) prevent dirt in the working place.

The machine, the springs and the accessories can be transported separately, making the weight 'portable'.

The Mini Victor is easy to clean and maintain and is safe and user friendly.



MINI VICTOR

Motor	230 Volt / 0,37 kw
Ø Drain/sewer	32 mm - 150 mm
Ø Spring	16 - 22 mm (8 - 10 with adapter drum)
Spring length	40 m
Weight incl. spring	17 kg
Maximum DbA	70

Victor

The Victor has the same advantages and characteristics as the Mini Victor, but has a more powerful electric motor and is suitable for down pipes, drains and sewers from Ø 32 - 250 mm over a maximum length of 60 metres.

Just like the Mini Victor, various accessories can be connected to the square spring couplings. All springs are fitted with a universal coupling system which is a great advantage while using sectional springs as these springs are coupled to each other after every 2 or 4 metres.

VICTOR

Motor	230 Volt / 0,75 kw
Ø Drain/sewer	32 mm - 250 mm
Ø Spring	16 - 22 mm (8 - 10 with adapter drum)
Spring length	60 m
Weight incl. spring	22,5 kg
Maximum DbA	78



The unique difference between suitcase spring machines and other spring machines is that 2m or 4m individual springs can be connected separately as required. This, coupled with the dual speed arrangement, allows higher torque at lower speeds and lower torque at higher speeds. Therefore the Victor range is very versatile for coping with long or short pipe runs.



Range of operation

Spring diameter Max. diameter of operation	6	7	8	10	13	16	20	22	diameter mm diameter mm
Type D	20-50								Manual
Super	20-75								
HandMatic	12-75							Electric	
FlexMatic	12-75								
EasyMatic	12-100								
Allround		40-125							
Master				70-250					
Mini Victor		32-150							
Victor		32-250							

Type of spring machine

Applications

Type of blockage	soap/hair	clothes	roots	cleaning	urine stone/chalk
Standard bulbous					
Headcutting knife					
4/6 Bade drilling head					
Bulbous head flexible					
Retrieving hook					
Diamond shaped head					
Chain head					
Funnel head					
Straight drilling head					
Root cutter					

Type of accessories

not suitable
possible
best solution

Rioned develops, produces and sells a complete range of drain and sewer cleaning equipment. The range includes cleaning, detection and inspection systems for small and medium-sized drains/sewers. The international brand names Rioned and Rior stand for innovative products, high quality and very good after sales service. Rioned has been the leaders for 50 years.

DESCRIPTION ACCESSORIES/TOOLS

- 1 **Bulbous heads** for light cleaning in curved pipes.
- 2 **Straight drilling heads.**
- 3 **Funnel heads** for long curved pipes.
- 4 **Cutting knives** to mill large pipes.
- 5 **4 and 6 blade drills** to mill overgrown pipes.
- 6 **Retrieving hooks** to remove obstacles from pipes such as cloths, napkins etc.
- 7 **Diamond shaped heads** for pipes tarnished with chalk or urine stones.
- 8 **Chain heads** to clean steel and iron pipes. The chain heads with cam chains are for cleaning strong polluted pipes.
- 9 **Repair and quick couplings** to connect springs or to repair broken springs.
- 10 **Root cutters** to saw tree roots.
- 11 **Spring drum empty** for using an extra spring.
- 12 **Metal case** for accessories.
- 13 **Inlet guide tube** to guide the spring in difficult places.
- 14 to 18 **Accessories for suitcase spring machines** with nut/stift couplings.

General information



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