

FOR

PROFESSIONAL
CLEANING

OF

**DRAINS
SEWERS**



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 Ø 12 MM UP TO Ø 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 RIORCORE® 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 area.

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.

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 drill (non hammer action), or as a set-up unit which is suitable for any type of drill (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 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.



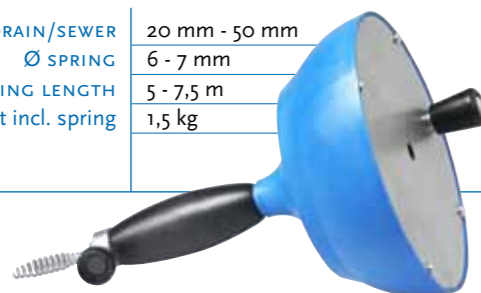
MOTOR	230 Volt / 0,63 kW
Ø DRAIN/SEWER	12 mm - 75 mm
Ø SPRING	6 - 8 - 10 mm
SPRING LENGTH	7,5 - 10 m
WEIGHT INCL. SPRING	6 kg
MAXIMUM DBA	84
ACCESSORIES/TOOLS	1 - 4 - 5 - 11 - 12

SYPHON PUMP



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

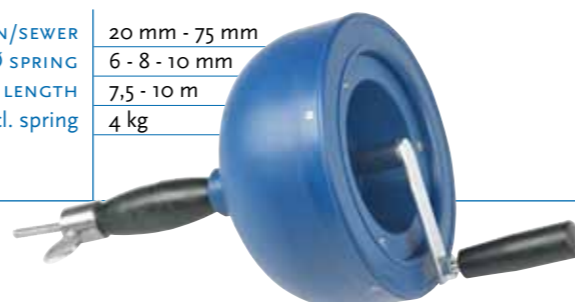


CLOSET AUGER



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



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.



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
ACCESSORIES/TOOLS	1 - 4 - 5 - 8 - 9 - 11

ALLROUND+

The new modern spring machine is a real wizard which combines all the benefits of the old Allround (the most popular cable machine in Europe) with new product advantages. The weight of the new Allround+ has decreased by 28%, making it easy to lift but it is still strong and robust. The Allround+ is very compact, easy to transport and the large wheels make easy work of all types of stairs.

Suitable for larger cleaning jobs the Allround+ with its powerful electric motor, inclusive capacitor, gives a solution for sewers and pipework of Ø 40 mm – Ø 125 mm. To deal with stubborn blockages in larger pipes, the springs are supplied with square couplings in order to connect a wide range of accessories, for all different kinds of blockages.

The Allround+ has a closed drum of synthetic material, not only for safe working methods, but also in order to keep the work area clean. The drum can be changed or removed in no time and can be carried separately.

The new redesigned automatic spring feed unit allows the spring to feed in and out of the drain with one movement. This all in a safe and easy to use operation.

The Allround+ has an integrated tool case with 5 standard accessories. A further extensive accessories kit is also available including a special tulip cutter, chain flails, cutting knives and drilling heads to name a few. With its new modern design and increased operating, usability and servicing advantages the Allround+ will forget its predecessor soon. The Allround+ can also be delivered with foot switch.



MOTOR	230 Volt / 0,25 kW
Ø DRAIN/SEWER	40 mm - 125 mm
Ø SPRING	10 - 13 - 16 mm
SPRING LENGTH	5 - 15 - 20 m
WEIGHT INCL. SPRING	39 kg
MAXIMUM DBA	75
ACCESSORIES/TOOLS	1 - 2 - 3 - 4 - 5 - 6 - 7 8 - 9 - 11 - 13





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).

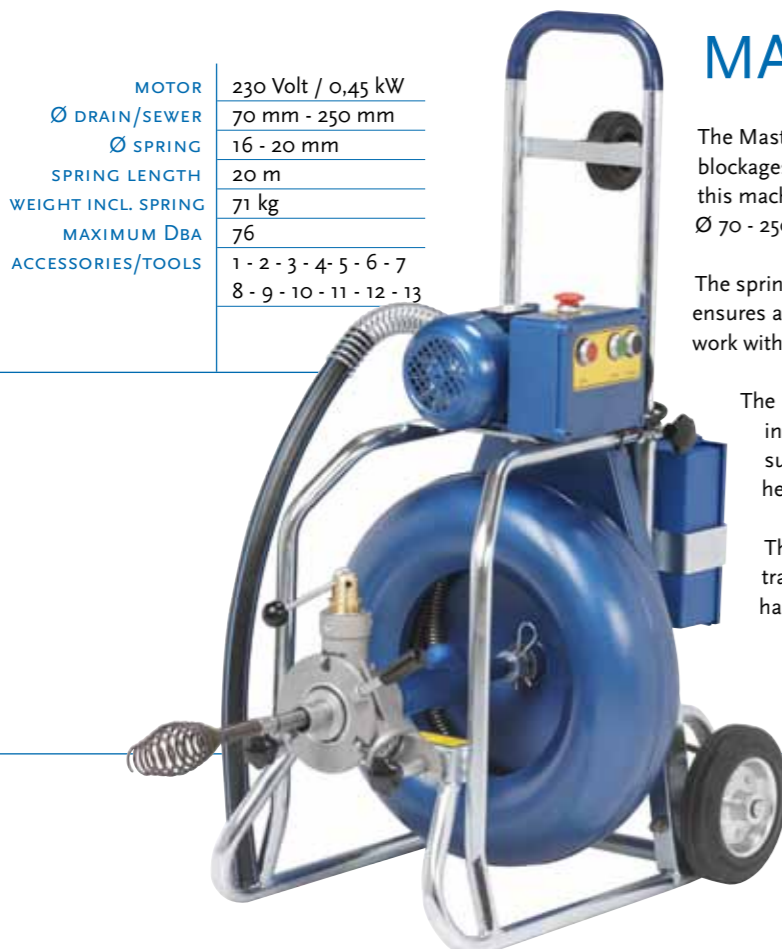
This machine is very easy to operate by means of a hand grip on the machine. The unique, easy to clean, clamping system clamps over the full length of the spring for optimum transmission of the motor capacity.

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.

MOTOR	230 Volt / 0,37 kW
Ø DRAIN/SEWER	32 mm - 150 mm
Ø SPRING	8 - 10 - 16 - 22 mm (8 - 10 mm with adapter drum)
SPRING LENGTH	40 m
WEIGHT INCL. SPRING	17 kg
MAXIMUM DBA	70
ACCESSORIES/TOOLS	11 - 14 - 15 - 16 - 17 - 18



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
ACCESSORIES/TOOLS	1 - 2 - 3 - 4 - 5 - 6 - 7 8 - 9 - 10 - 11 - 12 - 13

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 area. 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.

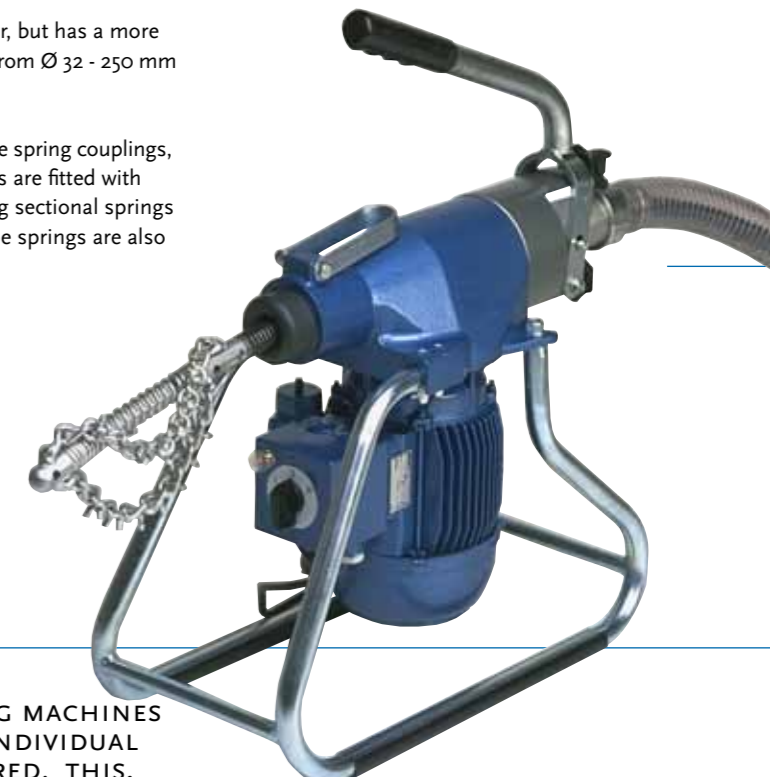
The Master is safe and user friendly. It is very easy to transport, compact in design and has an adjustable hand grip.

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, which are exchangeable with those of the Allround and Master. All springs are fitted with the unique square 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. These springs are also available with universal nut/stift couplings.

MOTOR	230 Volt / 0,75 kW
Ø DRAIN/SEWER	32 mm - 250 mm
Ø SPRING	8 - 10 - 16 - 22 mm (8 - 10 mm with adapter drum)
SPRING LENGTH	60 m
WEIGHT INCL. SPRING	22,5 kg
MAXIMUM DBA	78
ACCESSORIES/TOOLS	11 - 14 - 15 - 16 - 17 - 18



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.

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 **TULIP CUTTER**
The Tulip Cutter causes less damage, never gets stuck and removes debris more evenly, safely and cleanly than similar tools, such as a chain head. Ideal for removing hardened grease, lime and urine deposits and rust in pipes ranging from 50 to 125 mm.

12 **METAL CASE**
For accessories.

13 **INLET GUIDE TUBE**
To guide the spring in difficult places.

14 **ACCESSORIES FOR SUITCASE SPRING MACHINES**

18 **With universal couplings.**

19 **SPRINGS WITH INNER CORE**
6,8 and 10 mm springs with bulbous head or square coupling.



RANGE OF OPERATION

TYPE OF SPRING MACHINE	6	7	8	10	13	16	20	22	Spring diameter \varnothing mm Max. diameter of operation \varnothing mm
	35	50	60	70	100	125	250	250	
TYPE D (MANUAL)	20-50								
SUPER (MANUAL)	20-75								
HANDMATIC (ELECTRIC)	12-75								
FLEXMATIC (ELECTRIC)	12-100								
ALLROUND* (ELECTRIC)	40-125								
MASTER (ELECTRIC)						70-250			
MINI VICTOR (ELECTRIC)	32-150								
VICTOR (ELECTRIC)	32-250								

APPLICATIONS

TYPE OF ACCESSORY	soap/hair	clothes	roots	cleaning	urine stone/chalk	Blockage
STANDARD BULBOUS HEAD	v	•	x	v	x	
CUTTING KNIFE	v	x	v	•	v	
4/6 BLADE DRILLING HEAD	v	x	•	v	v	
BULBOUS HEAD FLEXIBLE	v	•	x	v	x	
RETRIEVING HOOK	x	v	x	x	x	
DIAMOND SHAPED HEAD	v	x	•	v	v	
CHAIN HEAD	•	x	x	v	•	
FUNNEL HEAD	x	v	x	x	x	
STRAIGHT DRILLING HEAD	x	•	x	v	x	
ROOT CUTTER	x	x	v	x	x	
TULIP CUTTER	v	x	x	•	v	

v = best solution
• = possible
x = not suitable

Rioned

RIOR B.V./RIONED
Postbus 5070 | 5004 EB Tilburg
Centaurusweg 45 | 5015 TC
Tilburg | Nederland

Tel. +31 (0)13 547 91 00
Fax +31 (0)13 547 91 04
info@rioned.com
www.rioned.com

RIONED UK LIMITED
23 James Carter Road
Mildenhall | Suffolk
IP28 7DE | United Kingdom

Tel. +44 (0)1638 713 800
Fax +44 (0)1638 716 863
sales@rioned.co.uk
www.rioned.co.uk