

ΚΑΜΑ ΕΛΛΑΣ Μ.Ε.Π.Ε.  
ΑΝΤΙΠΡΟΣΩΠΕΙΕΣ  
ΝΑΡΚΙΣΣΟΥ 13  
570 13 ΩΡΑΙΟΚΑΣΤΡΟ  
ΤΗΛ. 2310-69.8962  
ΦΑΞ. 2310-69.90.71

Rioned

SPRING  
MACHINES

HIGH  
PRESSURE  
JETTING  
MACHINES

JET/VAC  
COMBINATION  
UNITS

INSPECTION  
AND  
DETECTION  
SYSTEMS

# SPRING MACHINES



**Rioned**  
KEEPING YOUR BUSINESS FLOWING

Postbus 5070 | 5004 EB Tilburg  
Centaurusweg 45  
5015 TC Tilburg | Nederland  
Tel. +31 (0)13 547 91 00  
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



HAND TOOLS  
DRUM MACHINES  
SUITCASE MACHINES  
ACCESSORIES

**KEEPING YOUR BUSINESS FLOWING**

## HAND TOOLS

4

## DRUM MACHINES

6



A range of handy tools to clear light blockages.

Machines for professional cleaning and unblocking of drains up to 250 mm. The closed spring drum is ideal for indoor use.

## SUITCASE MACHINES

8

## ACCESSORIES

10



Designed to clean vertical pipes and larger diameter drains.

Accessories and springs to effectively deal with all types of blockages.

## SPRING MACHINES

# KEEPING YOUR BUSINESS FLOWING

## SPRING MACHINES FOR PROFESSIONAL CLEANING OF DRAINS AND SEWERS

Rioned supplies manual spring machines in addition to electrical drum and suitcase machines for professional cleaning of drain and sewers from  $\varnothing$  12 mm up to  $\varnothing$  250 mm. The drum machines automatic spring feed unit provides an easy-to-use solution for all drain and sewer cleaning problems.

Rioned drum machines have a closed drum to protect floors and walls from water and dirt while working. Rioned spring machines are lightweight due to the use of aluminum and plastics. The compact construction and low-weight make Rioned spring machines easy to transport and easy to maneuver in restricted areas. The powerful electric motor allows the suitcase models to be used for cleaning of standpipes and larger diameter drains up to 60 metres of length.

### FOR ALL APPLICATIONS

Rioned springs for drum machines come with a fixed bulbous head or with the unique square spring coupling system. With the reliable coupling system a wide range of different tools can be connected depending on the type of blockage. Rioned springs are equipped with the Riocore blue inner core. The core of steel wire with a plastic outer sleeve provides stability to improve cleaning power and durability of the spring. Suitcase models use open, sectional springs in lengths of 2 metres (16 mm) or 4 metres (22 mm). The section springs make it easy to install the correct accessory for the job.



### RIONED SPECIALISES IN CLEANING MACHINES FOR SMALL AND MEDIUM SIZED DRAINS AND SEWERS

Our product range consists of:

- > Spring Machines
- > High pressure jetting machines
- > Jet/vac combination units
- > Inspection and detection systems

Ask your Rioned representative for a copy of our product brochures or visit [www.rioned.com](http://www.rioned.com) for more information.

## 4 SYPHON PUMP



Handy pump to clear blockages in toilets, urinals and drains

## CLOSET AUGER



Hand tool to clear blockages in toilets without damaging the ceramics

## TYPE D



Simple spring machine for small blockages in drains up to 50 mm

### TECHNICAL SPECIFICATIONS

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

## SUPER



Small tool to clear drains up to 75 mm. Suitable for 8 mm and 10 mm springs

### TECHNICAL SPECIFICATIONS

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

## HANDMATIC

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

The spring is capable of cleaning drains to their full length including bends and syphon traps. The automatic spring feed unit feeds 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 different types of tools to be used depending on the type of blockage.

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



Carrying case for the HandMatic and accessories



Springs from 10 mm have a Riocore inner for stability and maximum flexibility



### TECHNICAL SPECIFICATIONS 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 kgs
Maximum DbA	84
Accessories/tools *	1 - 4 - 5 - 11

\* See page 11 for a description



# DRUM MACHINES

## 6 FLEXMATIC+

The FlexMatic+ is the ideal spring machine for professional cleaning of drains and sewers between 12 - 75 mm diameter. The lightweight and compact design in addition to the flexible adapter hose makes it easy to handle and maneuver in narrow spaces.

The automatic spring feed unit has large roller bearings for long term use. It is easy to operate by pushing the handle forward and back to drive the spring in and out of the drain. The spring rotates in neutral position. 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 different kinds of tools to be used.



### TECHNICAL SPECIFICATIONS 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 - 15 m
Weight incl. spring	12 kgs
Maximum DbA	69
Accessories/tools *	1 - 4 - 5 - 8 - 9 - 11

\* See page 11 for a description



Practical automatic spring feed unit



Integrated drawer for accessories

## ALLROUND+

The Allround+ is a real wizard. It is very compact and easy to transport. The large wheels make easy work of all types of stairs.

Suitable for larger cleaning jobs the Allround+ with its powerful electric motor provides a solution for sewers and pipework of 40 - 125 mm diameter.

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 which ensures a safe working environment and a clean working area. The drum can be changed or removed in minimal time and can be carried separately. The newly redesigned automatic spring feed unit allows the spring to feed in and out of the drain with one movement.

The Allround+ has an integrated tool case with 5 standard accessories. An extensive accessories kit is optionally available including a special tulip cutter, chain flails, cutting knives and drilling heads to name a few. The Allround+ can also be supplied with foot switch.



Large wheels to take stairs



Integrated drawer for spring accessories

### TECHNICAL SPECIFICATIONS ALLROUND+

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 kgs
Maximum DbA	75
Accessories/tools *	1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 11 - 12

\* See page 11 for a description



# DRUM AND SUITCASE MACHINES

8

## MASTER

The Master is a 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 70 - 250 mm.

The spring is protected by an aluminum 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 supplied in 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.

### TECHNICAL SPECIFICATIONS 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 kgs
Maximum DbA	76
Accessories/tools *	1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12

\* See page 11 for a description



## MINI VICTOR

The Mini Victor 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).

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

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

### PORTABLE SUITCASE MODELS

The machine, the springs and the accessories can be transported separately making it extremely portable. The Mini Victor is easy to clean, safe to use and operator friendly.

### TECHNICAL SPECIFICATIONS MINI VICTOR

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 kgs
Maximum DbA	70
Accessories/tools *	11 - 13 - 14 - 15 - 16 - 17

\* See page 11 for a description



## 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 32 - 250 mm diameter over a maximum length of 60 metres.

### PRACTICAL SUITCASE MODELS

The machine and springs are transported separately. The Victor is easy to maintain, multifunctional and safe to use. Furthermore the Victor is with an adapter drum suitable for 8 mm and 10mm springs.

### TECHNICAL SPECIFICATIONS VICTOR

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 kgs
Maximum DbA	78
Accessories/tools *	11 - 13 - 14 - 15 - 16 - 17

\* See page 11 for a description



SUITCASE MODELS USE DETACHABLE SPRINGS THAT CLEAR BLOCKAGES AT HIGH SPEED AND LOW TORQUE IN DRAINS.

## 10 RIONED SPRINGS

Rioned supplies a complete range of springs for every machine, from 6 mm springs up to 22 mm sectional springs for tough jobs. As from 10 mm our springs can be supplied with a fixed bulbous head or with an easy

coupling system to attach accessories. Our drum model springs have a steel inner core with plastic outer for more cleaning power and extra durability. Our suitcase models use open wound sectional springs in 2 or 4 metre lengths.

### RANGE OF OPERATIONS SPRING MACHINES

	Spring diameter Ø mm							
	6	7	8	10	13	16	20	22
	Max. diameter of operation Ø mm							
	35	50	60	70	100	125	250	250
<b>Hand tools</b>								
Type D *		20 - 50						
Super *		20 - 75						
Handmatic		12 - 75						
<b>Drum machines</b>								
Flexmatic+		12 - 100						
Allround+		40 - 125						
Master		70 - 250						
<b>Suitcase machines</b>								
Mini Victor		32 - 150						
Victor		32 - 250						

\* Manually driven. All other spring machines are electrically driven.

### APPLICATIONS TOOLS

	Blockage				
	soap/hair	clothes	roots	cleaning	urine stone/chalk
1 Standard bulbous head	●	V	-	●	-
2 Straight drilling head	-	V	-	●	-
3 Funnel head	-	●	-	-	-
4 Cutting knife	●	-	●	V	●
5 4 or 6 blade drilling head	●	-	V	●	●
6 Retrieving hook	-	●	-	-	-
7 Diamond shaped head	●	-	V	●	●
8 Chain head	V	-	-	●	V
10 Root cutter	-	-	●	-	-
11 Tulip cutter	●	-	-	V	●

● best solution  
V possible  
- not suitable



#### 1 BULBOUS HEADS

For light cleaning in curved pipes.



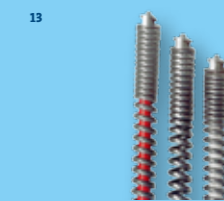
#### 5 4 AND 6 BLADE DRILLS

To mill overgrown pipes.



#### 9 REPAIR AND QUICK COUPLINGS

to connect springs or to repair broken springs.



#### 13 14 15 16 ACCESSORIES FOR SUITCASE SPRING MACHINES

With universal couplings.



#### 2 STRAIGHT DRILLING HEADS

Tool to determine right accessory for the job.



#### 6 RETRIEVING HOOKS

To remove obstacles from pipes such as cloths, napkins etc.



#### 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.



#### 3 FUNNEL HEADS

For long curved pipes.



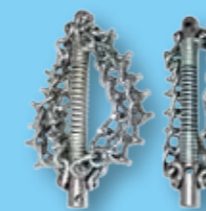
#### 7 DIAMOND SHAPED HEADS

For pipes tarnished with chalk or urine stones.



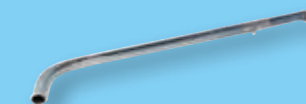
#### 4 CUTTING KNIVES

To mill large pipes.



#### 8 CHAIN HEADS

to clean steel and iron pipes. The chain heads with cam chains are for cleaning strong polluted pipes.



#### 12 INLET GUIDE TUBE

To guide the spring in difficult places.