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SPRINGS REQUIRE CRAFTSMANSHIP

The reliability and durability of our products come first. We only use premium components. Let something slip through? Not here. Never. Quality comes first. We make no compromises in that respect. We are speaking with Matthijs, springmaker at Rioned.

I am proud of our springs. What makes our springs unique is the blue Riocore core. This core of steel wire with plastic makes the springs both flexible and resilient. Difficult to make. But after five years of making springs, I have the knack, Matthijs says with a laugh.



Matthijs, springmaker at Rioned.

Spring machines

SPRING MACHINES

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. 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.

HANDTOOLS

A range of handy tools to clear light blockages.

DRUM MACHINES

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

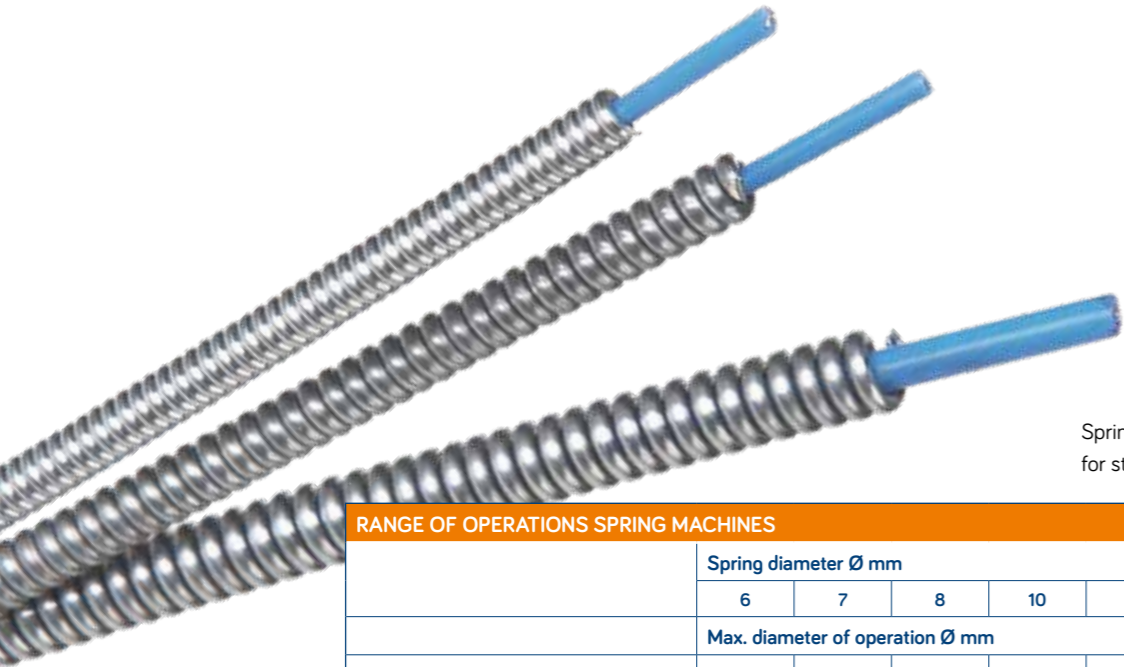
SUITCASE MACHINES

Designed to clean vertical pipes and larger diameter drains.

SPRING MACHINES

WHICH SPRING DO YOU NEED?

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 meter lengths.



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

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
Hand tools								
Type D *	20 - 50							
Super *	20 - 75							
HandMatic	12 - 75							
Drum machines								
FlexMatic+	12 - 100							
AllRound+		40 - 125						
Master			70 - 250					
Suitcase machines								
Mini Victor		32 - 150						
Victor		32 - 250						

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



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

Type D



20 - 50 mm



6 - 7 mm



5 - 7,5 m



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

Super



20 - 75 mm



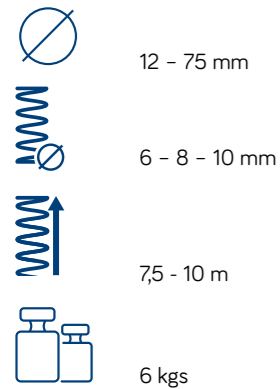
6 - 8 - 10 mm



7,5 - 10 m



4 kgs



SPRING MACHINES DRUM MACHINES

HANDMATIC, FLEXMATIC+, ALLROUND+ AND MASTER

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.

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.

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

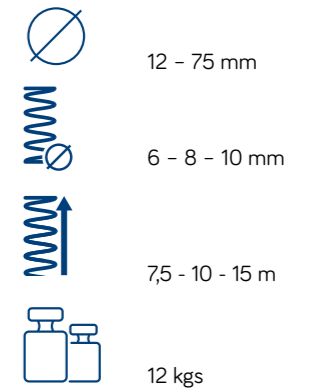


Automatic springfeed



TECHNICAL SPECIFICATIONS	
Motor	110, 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 42 and 43 for a description



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.



Practical automatic spring feed unit





TECHNICAL SPECIFICATIONS	
Motor	110, 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 42 and 43 for a description



Integrated drawer for accessories

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-  40 - 125 mm
-  10 - 13 - 16 mm
-  5 - 15 - 20 m
-  39 kgs

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. In the UK, the Allround+ is supplied with foot switch.



Large wheels to take stairs



TECHNICAL SPECIFICATIONS	
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 42 and 43 for a description





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.

-  70 - 250 mm
-  16 - 20 mm
-  20 m
-  71 kgs

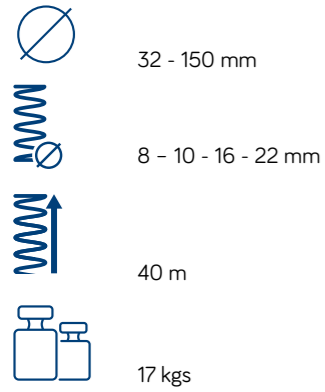


Drains up to 250 mm



TECHNICAL SPECIFICATIONS	
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 42 and 43 for a description



SPRING MACHINES

SUITCASE MODELS

MINI VICTOR AND VICTOR

Our suitcase models are designed to clean vertical pipes and larger diameter drains. These 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.

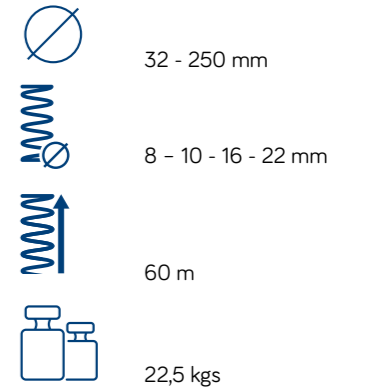
MINI VICTOR

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.

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	
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



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.

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	
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



Ideal for vertical pipes

SPRING MACHINES APPLICATION TOOLS

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.

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

Best possible: ••
Possible: •



1 BULBOUS HEADS
For light cleaning in curved pipes.



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



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.



2 STRAIGHT DRILLING HEADS
Tool to determine right accessory for the job.



7 DIAMOND SHAPED HEADS
F or pipes tarnished with chalk or urine stones.



12 INLET GUIDE TUBE
To guide the spring in difficult places.



3 FUNNEL HEADS
For long curved pipes.



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



4 CUTTING KNIVES
To mill large pipes.



9 REPAIR AND QUICK COUPLINGS
to connect springs or to repair broken springs.



5 4 AND 6 BLADE DRILLS
To mill overgrown pipes.



10 ROOT CUTTERS
To saw tree roots.