



INJECTION AND SPRAYING EQUIPMENT FOR THE BUILDING INDUSTRY

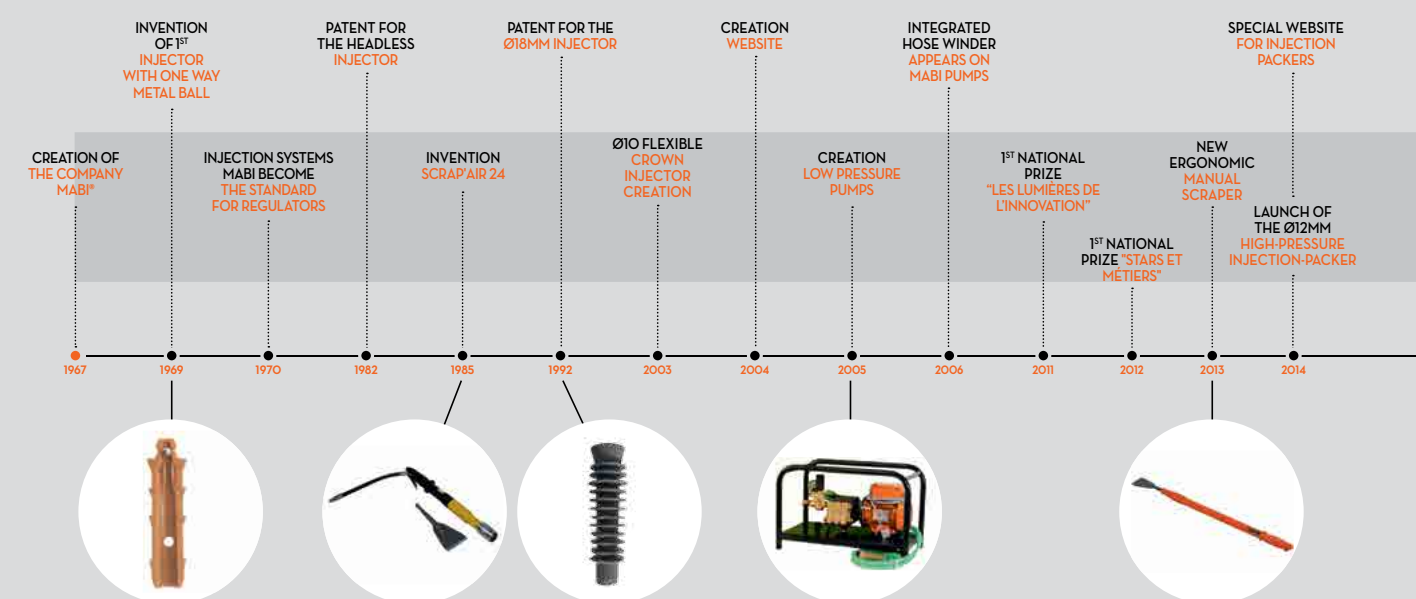


WWW.MABI.FR
WWW.INJECTION-PACKERS-MABI.COM



NEARLY 50 YEARS OF INNOVATION DESIGNED TO CHANGE YOUR FUTURE

THE KEY DATES 1967-2015



• INNOVATION

Over the years the company has been stepping up research to increase the performance of its equipment and improve the comfort for the user.

• EFFICIENCY

In a process of continuous improvement, MABI® uses its site experience and technical know-how to improve the application methods.

• PROFITABILITY

A rigorous selection and complete ranges that save you time and money.



200 M² WORKSHOP,
for manufacture, maintenance and repair.

4 EXPERIENCED TECHNICIANS,
CONTINUALLY TRAINED,
to meet our customers' specific requirements: fast maintenance and technical phone assistance.

1000 M² STORAGE AREA,
to grant 80% of the shipments within 24 hours.

200 REFERENCE MATERIALS,
for wood treatment, masonry sealing and concrete repair.
Material strictly selected regarding norms, needs and requirements of the sector.

A STRONG PARTNERSHIP WITH OUR CUSTOMERS,
to improve our range regarding 5 main areas: ergonomics, safety, performance, profitability and design.

ONLINE VIDEOS,
to be more autonomous and proactive with the setting up and maintenance of your equipment.

A DYNAMIC AND RESPONSIVE SALES TEAM AT YOUR SERVICE



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MABI's injection methods have been adopted by authorities in various countries. They are successfully applied by thousands of professionals worldwide.

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WOOD TREATMENT

RENEWABLE RESOURCE, WOOD HAS MANY ADVANTAGES:

Light, strong, durable thermal insulation and aesthetic, it is a noble material. Because it is alive, wood is sensitive to some Wood Destroying Organisms (WDO) such as wood-boring larvae, termites and fungi.



* The methods are given for information purposes only. Always refer to the local legislation and to the chemical manufacturers advice before starting any job.

> WOOD-BORING INSECTS

Contamination is caused by insects laying eggs in cracks and crevices of exposed wood. These eggs become larvae that burrow into the wood to feed, which reduces the wood to dust. The main insects found are Old-house borer (House Longhorn Beetle), Common Furniture Beetle, Powderpost Beetle and the Wood Boring Weevil. Their presence can be detected mainly by the exit holes as soon as they reach adulthood.

EXAMPLE OF THE OLD-HOUSE BORER (*Hylotrupes bajalus*)



· LARVA
Colour: ivory white
Length: 25 mm



· ADULT
Colour: black to brown
Length: 10 to 20 mm



· DAMAGE
Exit hole: oval > 2 mm
Bore dust: coloured cylinder
Timber attacked: sapwood of softwoods

TREATMENT METHOD*

DIAGNOSIS

During the survey of each wood part to determine the extent of damage and the responsible insect, the applicator must evaluate the strength and judge the eventual replacement of certain parts.



01 SCRAP

This stage's aim is to get rid of the worm-eaten parts and to see the sound wood. It has to be done with a manual scraper. For painted woods, you have to scrape with an abrasive disk. Without doing this stage, sprayed products would stay on the wood's exterior surface and not penetrate it.



02 BRUSH AND DRILL

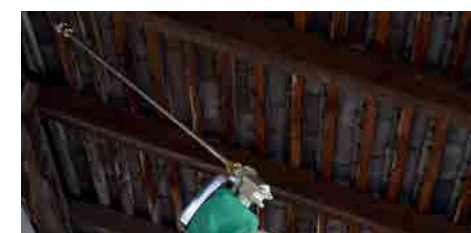
Then the scraped parts have to be cleaned with a metallic brush to eliminate the dust. Drill 3 to 5 holes per meter with a Wood Auger bit, in a horizontal line or in staggered rows depending on the wood section. 2/3 of the beam thickness is the depth to respect. For very large sections of wood (> 20/20 cm), the holes are made on two opposite sides of the wood pieces.



03 INJECT

The aim is to create, inside frame parts, insecticide active zones to eliminate larvae and insects which cannot be reached by a surface treatment.

- Drive in the plastic injectors with a hammer.
- Inject the treatment product between 5 and 15 BAR until saturation by using a gun and an injection nozzle combined with a MABI pump.



04 SPRAY

Finally, adapt a spray nozzle to your gun to spray the product over all wooden surfaces between 20 and 40 BAR. You will destroy all larvae and insects surrounding and get lasting protection against future attacks.

> TERMITES

Termites are a group of eusocial insects that live in colonies organized by castes. They eat cellulose and radiate foraging tunnels in the heart of the wood.



· WORKERS



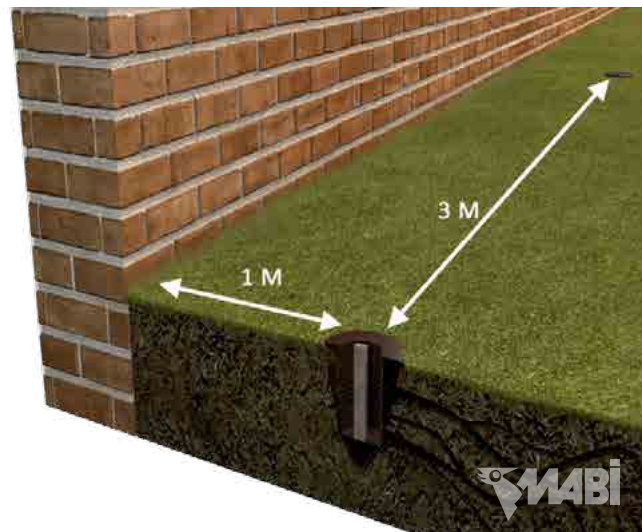
· SOLDIERS



· DAMAGES

TREATMENT METHODS*

> EXTERIOR PERIMETER TREATMENT



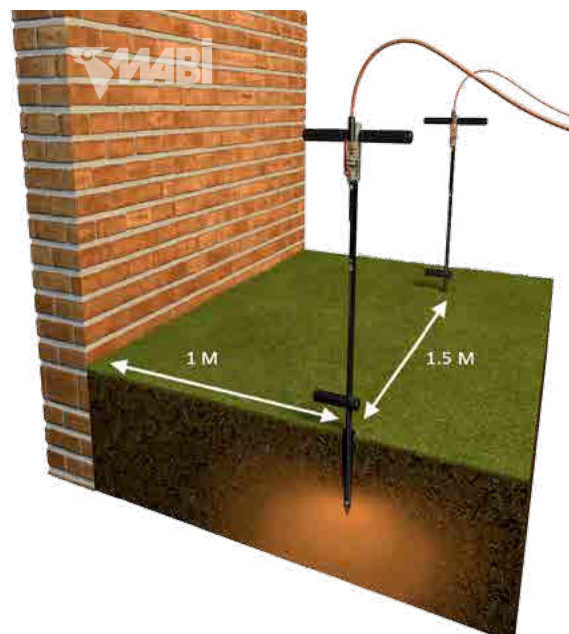
TERMITE MONITORING STATIONS

Laying monitoring stations around a building allows the detection of Subterranean Termite activity, checking periodically the stations thanks to a removable plug.

In case of activity, an eradication method can be set up quickly.

The sharp and rigid form of the stations has been specially designed for an easy and fast implementation into the soil.

The open areas facilitate access of termites to the timber bait placed inside.



SOIL-INJECTOR

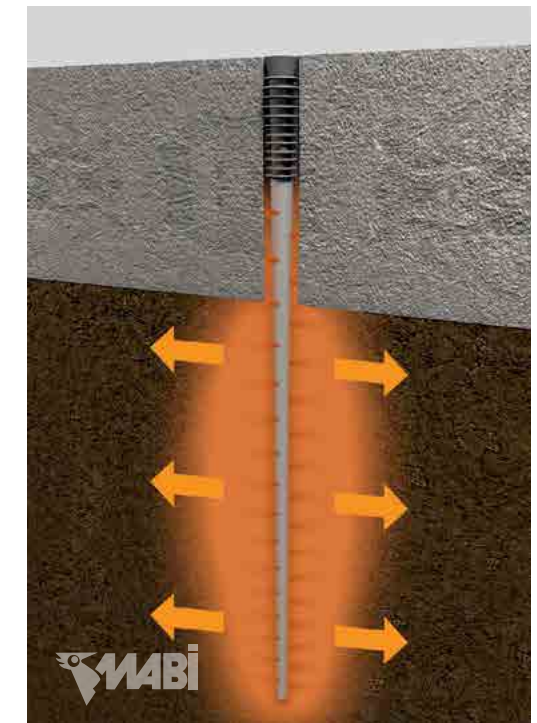
The Soil-injector is recommended for treating soils by injection of various chemicals: termiticide, insecticide, fungicide, etc.

Thanks to the stand's adjustable height, it is very easy to use.

The injection spike is designed to optimize the distribution in the soil.

The materials used and its exclusive conception insures intensive professional use and a long service life.

> EXTERIOR OR INTERIOR PERIMETER TREATMENTS: CONCRETE SLAB OVER SOIL



01 DRILL

Depending on the diameter of the injector used, drill holes of Ø12, 14 or 18mm vertically through the slab along the exterior or the interior of the foundation spaced every 30cm maximum.

Drill holes around pillars, along all cracks, expansion joints, plumbing, utility services penetrating the slab. Always refer to the termiticide manufacturers label for proper placement of drill down holes and locations.



02 INJECTOR'S IMPLEMENTATION

Injectors are inserted into each drilled hole, using a hammer and a mounting tool. They have been developed to keep enough pressure during and after the injection.

You can adapt at the bottom of the injector a diffusing tube that helps direct the termiticide laterally to get better dispersement.



03 INJECT

The product is injected with low pressure thanks to a gun and the corresponding MABI pump.

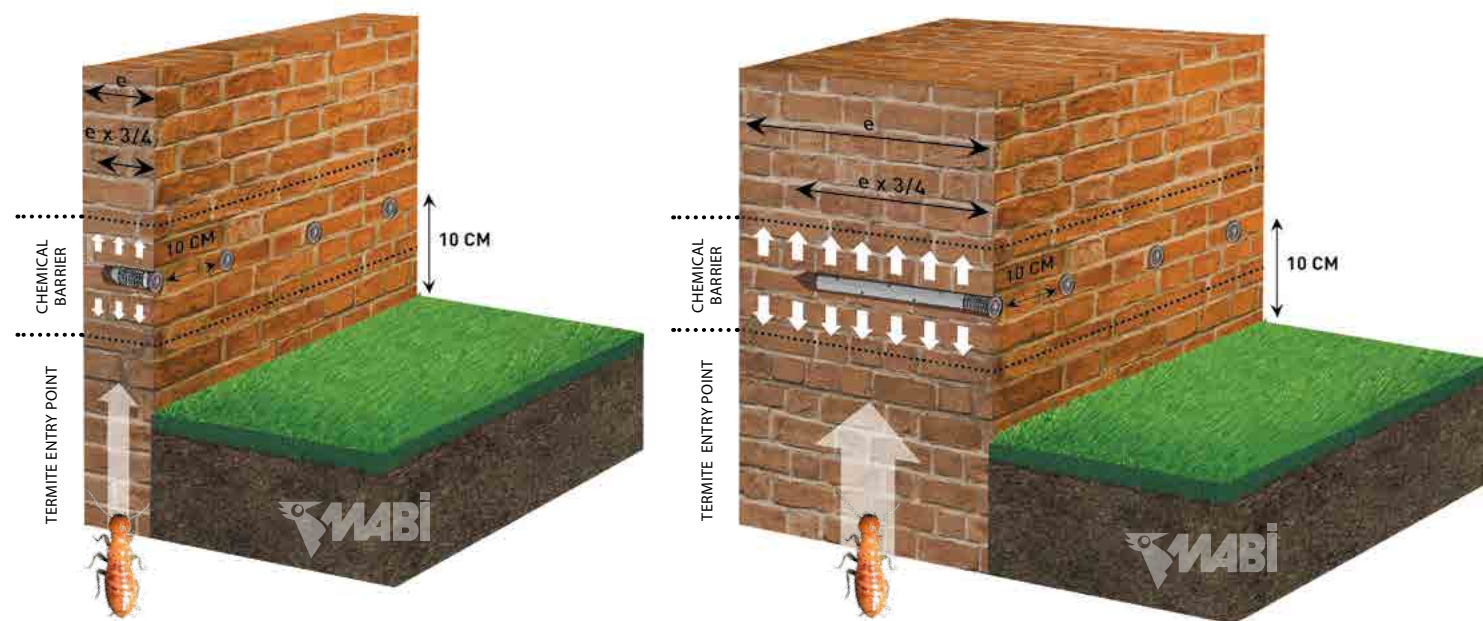
For each injection, the injected product quantity should be controlled in order to respect the manufacturer's chemical product instructions.

After the injection, injectors are left inside the holes and serve as plugs.

You can hide them with a suitable sealant and don't use them again.

But more likely, if you use an injector 12mm without head or an 18mm with moulded round head nipple, you can decide to add a cap for aesthetic reason and to protect the connection head of the injector. In case of clear evidence of reinfestation or breakdown of the termiticide treated area, you will be able to use the same injectors with no need for new drilling.

> MASONRIES TREATMENT (perimeter, shear and partition walls)



> DRY ROT FUNGI AND OTHER WOOD-DECAY FUNGI

A high humidity rate is the basis for the development of wood-destroying fungi, such as the *Serpula lacrymans* and the *Poria* (*Meruliporia incrassata*). They spread with their microscopic filaments, the hyphae.



TREATMENT METHOD*

DIAGNOSIS

Before starting any work, you must accurately identify the fungus and remedy the reasons for its development by finding and removing the causes of moisture, then setting up an effective ventilation.

PREPARATORY PHASE

Mark the contaminated area by the filaments and carry out the treatment to a minimum distance of one meter around the concerned area. Remove all coverings hiding the ground surface, ceiling, the masonry and the wood to protect, such as linoleum, carpets, parquet, fabrics, plasters and coatings.

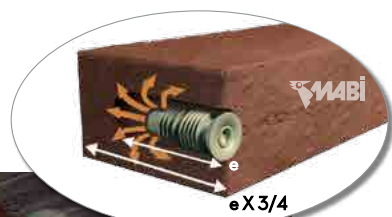
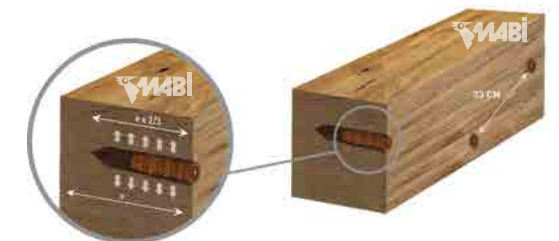
> WOOD

01 PREPARATION

- Probe each wood section to evaluate the strength and judge the eventual replacement of certain parts.
- Remove and burn contaminated wood and paneling.

02 TREATMENT

- Drill the 2/3 of the beam thickness every 33cm maximum.
- Inject a fungicide in the wood kept, double-injection in the end-restraint including a crossing one if the section is large enough.
- Spray the chemical on all the accessible faces.



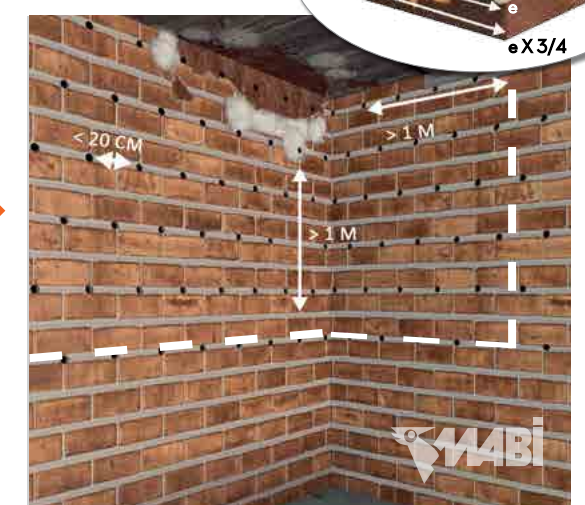
> MASONRY

01 PREPARATION

- Brush with a wire brush to remove the fungus' mycelium.
- Burn with a blowtorch the floors, walls and masonries, to destroy any fungus parts: fruiting body, mycelial extension, etc.
- Remove the rubble, spraying it with fungicide to prevent new contamination.

02 TREATMENT

- Drill in a grid pattern over the whole surface concerned, with holes spaced about 15 to 20cm in a staggered row on several lines and/or to both sides of the wall.
- The depth of the injection holes should be the 3/4 of the total thickness of the wall.
- Set the injectors into each drilled hole and inject the fungicide with your MABI pump.
- Spray the chemical to the whole of the area concerned.



> WOOD TREATMENT

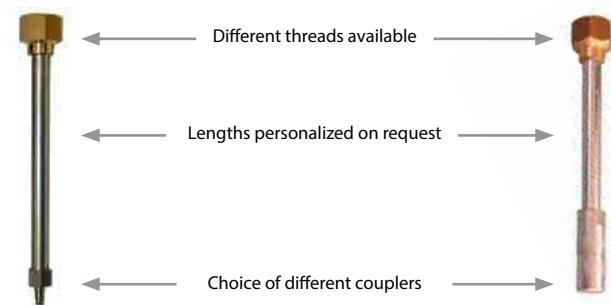
The method to follow is the same as explained for the wood-boring insects on page 7: scraping, brushing, drilling, injecting and spraying.

WOOD TREATMENT SAVE TIME AND MONEY WITH MABI'S PRODUCTS



PUMPS P. 18/19

- Top of the range motorization: Strengthened winding for improved performance and extended lifetime.
- Multi-Product Pump: Assembled with ceramic pistons, Viton armaments and Teflon seals for a better resistance to treatment products.

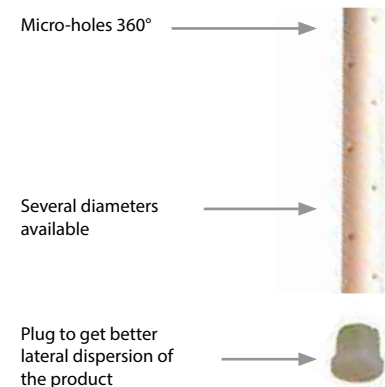
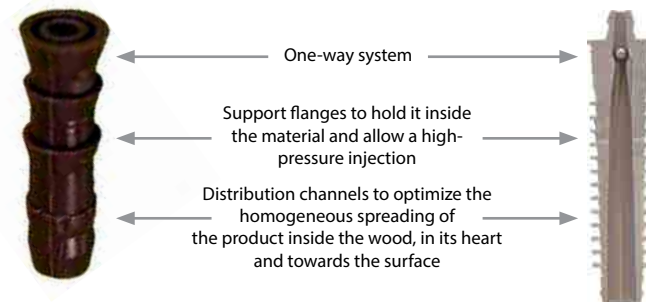


INJECTION ACCESSORIES P. 20/21

- Choice of different couplers for injectors with all kinds of connections.
- Different threads and lengths available on request to adapt on all equipment

INJECTORS WITH A ONE-WAY SYSTEM P. 16

- To increase the effectiveness of chemicals: optimal distribution in the material under pressure.
- To treat faster: only a few seconds to spread the product. Reinjection possible without need for new drilling.
- To improve security: no spilling, splashing or any back flow of chemical.
- To strengthen the professional image of the applicator and reassure the final customer: with a visible system and a cleaner jobsite.
- Cost savings: speed and efficiency will reduce labor cost. Anti-return valve avoids waste of chemical.



DIFFUSING TUBES P. 17

- Micro-holes 360°: to get a better dispersement laterally and in depth
 - 2 meters long; cut it to the length of your choice to adapt it to your needs
- Available without micro-holes to use as rods.

> PRODUCT PRESENTATION



TERMITE MONITORING STATION

Includes: Grooved shell, Bait support rod, Cap.
Untreated-wood bait not included.

01010102

Termite monitoring station



SOIL-INJECTOR

To inject chemicals inside the soil.
Stand's adjustable height. Length=120 cm

04050300

Soil-Injector



ERGONOMIC MANUAL SCRAPER

Specially designed for wood-frame stripping;
8cm sharpened tool, ergonomic handle for a better grip.

07010030

Manual scraper L=85cm



BRUSHES

Steel brush, hard brush, good handling.

12010035

(1) Standard

12010050

(2) Plane



WOOD AUGER DRILL BITS

Precise drilling, effortlessly.

Full length

| | |
|----------|--------------|
| 02070113 | Ø6.5 L130 mm |
| 02070213 | Ø9.5 L130 mm |
| 02070216 | L160 mm |
| 02070220 | L200 mm |
| 02070228 | L280 mm |
| 02070313 | Ø10 L130 mm |
| 02070316 | L160 mm |
| 02070320 | L200 mm |
| 02070321 | L280 mm |

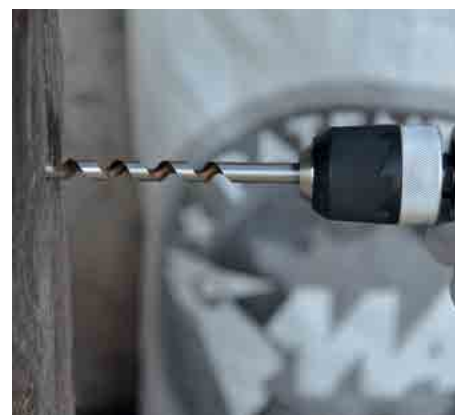


WOOD AUGER DRILL BITS WITH REVERSED CUTTER

Specially advised for tough woods: 2 planes
cutting edges to avoid wood chip blocking.

Full length

| | |
|----------|--------------|
| 02070403 | Ø9.5 L160 mm |
| 02070404 | L200 mm |
| 02070413 | Ø10 L160 mm |
| 02070414 | L200 mm |



SDS PLUS CONCRETE DRILL BITS

High resistance, carbide head, 2 Cutter Heads. (Other
lengths on request).

Full length

| | |
|----------|-------------|
| 02100009 | Ø12 L260 mm |
| 02100010 | Ø12 L450 mm |
| 02100011 | Ø12 L600 mm |
| 02100018 | Ø14 L260 mm |
| 02100014 | Ø14 L450 mm |
| 02100015 | Ø14 L600 mm |
| 02100025 | Ø18 L300 mm |
| 02100027 | Ø18 L450 mm |

TELESCOPIC HIGH-PRESSURE SPRAY EXTENSION PIECE

ERGONOMIC ADJUSTABLE

Recommended for moss removal and spraying
without scaffolding.

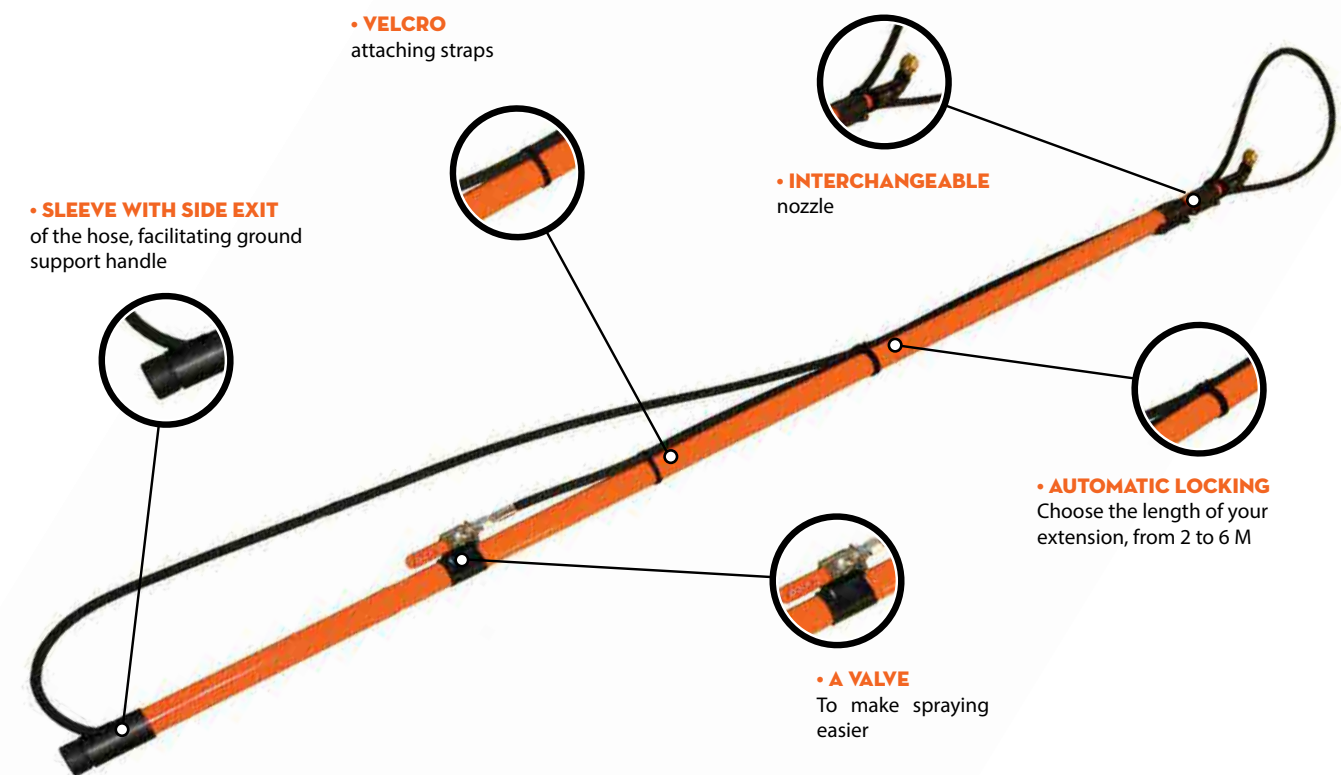
Supplied with two couplings (threaded ¼" and
Low-Pressure rapid coupling) and one spray nozzle.

Pressure: 130 BAR max / Weight: 2.5 Kg

Highly resistant fiberglass 3x2m.

04040167

Telescopic spray extension



> **MABI, INVENTOR OF THE FIRST
INJECTOR WITH NON-RETURN
CHECK VALVE**



12 PATENTS
FILED
SINCE 1969



ONE-WAY METAL BALL SYSTEM
Allows the injection of a large quantity of product,
with high-pressure and without back flow.



Injectors without head



Injectors with moulded
round head nipple

**DOOR FRAME
INJECTORS**

For small wood pieces: half-perimeter ≤ 17 cm.



| SIZE | CONNECTION | COLOR | REF BY 1000 | REF BY 500 |
|--------------|--------------|-------|-------------|------------|
| Ø6.5 x 15 mm | without head | brown | 01010005 | 01010015 |
| Ø6.5 x 15 mm | without head | beige | 01010003 | 01010013 |
| Ø6.5 x 15 mm | without head | white | 01010004 | 01010014 |
| Ø6.5 x 21 mm | without head | brown | 01010008 | 01010018 |
| Ø6.5 x 21 mm | without head | beige | 01010010 | 01010011 |
| Ø6.5 x 21 mm | without head | white | 01010006 | 01010016 |

**FRAME
INJECTORS**

For frames with a half-perimeter ≥ 17 cm.



| SIZE | CONNECTION | COLOR | REF BY 8000 | REF BY 500 |
|--------------|--------------|-------|-------------|------------|
| Ø9.5 x 37 mm | without head | brown | 01030002 | 01030012 |
| Ø9.5 x 37 mm | without head | beige | 01030001 | 01030013 |
| Ø9.5 x 37 mm | without head | white | 01030000 | 01030014 |
| Ø10 x 32 mm | without head | brown | 01030004 | 01030015 |

**MASONRY
INJECTORS**



| SIZE | CONNECTION | COLOR | REF BY 1000 | REF BY 500 |
|-------------|---------------------------|-------|-------------|------------|
| Ø12 x 47 mm | without head | grey | 01080015 | 01080016 |
| Ø12 x 47 mm | without head | white | 01080013 | 01080014 |
| Ø12 x 65 mm | moulded round head nipple | grey | 01090002 | |
| Ø14 x 65 mm | moulded round head nipple | grey | 01090007 | |
| Ø18 x 77 mm | moulded round head nipple | grey | 01040013 | |

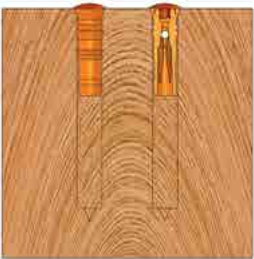


CAPS

To hide and protect injectors. Caps allow to inject again later.



| SIZE | COLOR | REF BY 500 |
|-----------------------------------|-------|------------|
| Ø12 mm for injectors without head | white | 01060008 |
| Ø12 mm for injectors without head | grey | 01060010 |
| Ø18 mm | white | 01060004 |
| Ø18 mm | grey | 01060005 |
| Ø6.5 mm Ø9.5 mm Ø10 mm | brown | 01060007 |
| Ø6.5 mm Ø9.5 mm Ø10 mm | beige | 01060009 |
| Ø6.5 mm Ø9.5 mm Ø10 mm | white | 01060008 |



GROOVED WOOD-DOWELS

To hide permanently injectors with a wood appearance.

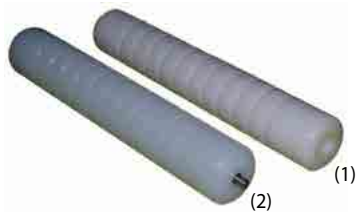


| | |
|----------|-------------------------|
| 02040000 | Grooved wood-dowels Ø7 |
| 02040001 | Grooved wood-dowels Ø10 |



MOUNTING TOOLS

For setting up the injectors without damaging the connection.



| | |
|----------|--|
| 02010001 | For injectors with moulded round head nipple (1) |
| 02010004 | For injectors without head (2) |



DIFFUSING TUBES AND CAPS

Homogeneous spreading into the whole depth due to the micro-holes.



| | |
|----------|---|
| 01080024 | Tube L=2 M for Ø12/14mm injectors (by unit) |
| 01080020 | Cap for Ø12mm tube (by 100 units) |
| 01040020 | Tube L=2 M for Ø18mm injectors (by unit) |
| 01040007 | Cap for Ø18mm tube (by 100 units) |



EXTENSION RODS

Tubes to be connected at the bottom of the injectors to reach further.

| | |
|----------|---|
| 01080025 | Tube L=2 M for Ø12/14mm injectors (by unit) |
| 01040021 | Tube L=2 M for Ø18mm injectors (by unit) |




> PUMPS

CHARACTERISTICS



MODEL

ACCESSORIES

MAINTENANCE

| HIGH-PRESSURE | |
|--|--|
| 8HP ECO | |
| PUMP |  |
| PRESSURE | 0 to 90 BAR |
| FLOW | 8L/MIN |
| TECHNOLOGY | 3 ceramic pistons |
| MOTOR | Electric 220/240V 50Hz 1.5Kw |
| WEIGHT | 31 kg |
| DIMENSIONS (L x W x H) | 52x32x31.5 cm |
| PROTECTION | IP 44 |
| USE RECOMMENDATIONS | <p>Liquid product injection and spraying for wood-treatment (solvent or water-based) and dry rot treatment.</p> <p>Liquid product injection for rising damp treatment.</p> <p>Anti-moss and facade water-repellent spraying.</p> |
| | MABI pumps are not recommended with products containing chlorine, bleach, gels, colored water repellent, paints, lacquers, varnishes, epoxy and polyurethane resins. |
| ADVANTAGES | <p>High-pressure: interesting for spraying from a distance. Possibility to upgrade your pump thanks to its modular frame.</p> <p>The best-seller for the wood-treatment.</p> |
| REF PUMP ALONE | 03810100 |
| WHEELS AND HANDLE | 03090640 |
| HOSE WINDER | 03090615 (hose not included) |
| PROTECTIVE SIDE | 03090631 (Right) and 03090632 (Left) |
| ACCESSORY SET CONTENT | <p>High-Pressure hose Ø3/16</p> <p>High-Pressure injection/spraying gun</p> <p>Male injection nozzle for injectors without head</p> <p>Straight spray extension L= 30 cm</p> <p>Spray nozzle 8L</p> |
| SET WITH A 15M HOSE AND THREADED COUPLINGS | 03810130 |
| SET WITH A 25M HOSE AND THREADED COUPLINGS | 03810133 |
| SET WITH A 15M HOSE AND RAPID COUPLINGS | 03810131 |
| SET WITH A 25M HOSE AND RAPID COUPLINGS | 03810134 |
| OTHER ACCESSORIES | See page 20 |
| BODY PUMP SEALS KIT | 03400099 |
| PRESSURE REGULATOR SEALS KIT | 03080340 |
| VALVE | 03080111 |
| MEMBRANE KIT | / |
| OIL FOR PUMP (1L) | 03040998 (15w40) |
| CLEANING PUMP PRODUCT (5L) | 03080951 |

LOW-PRESSURE

| 8BP LIGHT | 25BP |
|--|---|
|  |  |
| 0 to 17 BAR | 0 to 25 BAR |
| 8L/MIN | 25L/MIN |
| 3 ceramic pistons | Double membranes |
| Electric 220/240V 50Hz 0.55Kw | Electric 230V 50Hz 1.5Kw |
| 19 kg | 28 kg |
| 36x30x31 cm | 52x32x31.5 cm |
| IP 44 | |
| <p>Liquid product injection for rising damp treatment.</p> <p>Anti-moss and facade water-repellent spraying.</p> <p>Occasionally: Liquid product injection and spraying for wood-treatment (solvent or water-based) and dry rot treatment.</p> | <p>Spraying for pre-construction termite protection.</p> <p>Liquid product injection for rising damp treatment.</p> <p>Occasionally: Anti-moss and facade water-repellent spraying.</p> <p>Liquid product injection and spraying for wood-treatment (solvent or water-based) and dry rot treatment.</p> |
| MABI pumps are not recommended with products containing chlorine, bleach, gels, colored water repellent, paints, lacquers, varnishes, epoxy and polyurethane resins. | |
| Economic and light. | High-flow. Possibility to use thicker products like for the pre-construction termite treatment. Easy care. Possibility to upgrade your pump thanks to its modular frame. |
| 03090060 | 03090300 |
| / | 03090640 |
| / | 03090615 (hose not included) |
| / | 03090631 (Right) and 03090632 (Left) |
| <p>Pump with outlet rapid coupling</p> <p>Low-Pressure hose 15m with rapid coupling</p> <p>Injection/spraying gun with an inlet rapid coupling</p> <p>Male injection nozzle for injectors without head</p> <p>Straight spray extension L= 30 cm</p> <p>Spray nozzle 8L</p> | / |
| 03090401 | / |
| See page 21 (all the pumps from this page are equipped with a low-pressure rapid coupling in exit. To adapt accessories with threaded couplings, you should first add the adaptors 07030826 + 03070013). | |
| 03400099 | 03091025 |
| 03080340 | |
| 03080111 | 03091015 (4 valves set) |
| / | 03091000 |
| 03040998 (15w40) | 08020040 (SAE 30) |
| 03080951 | |

> **ACCESSORIES
FOR 8HP PUMPS**



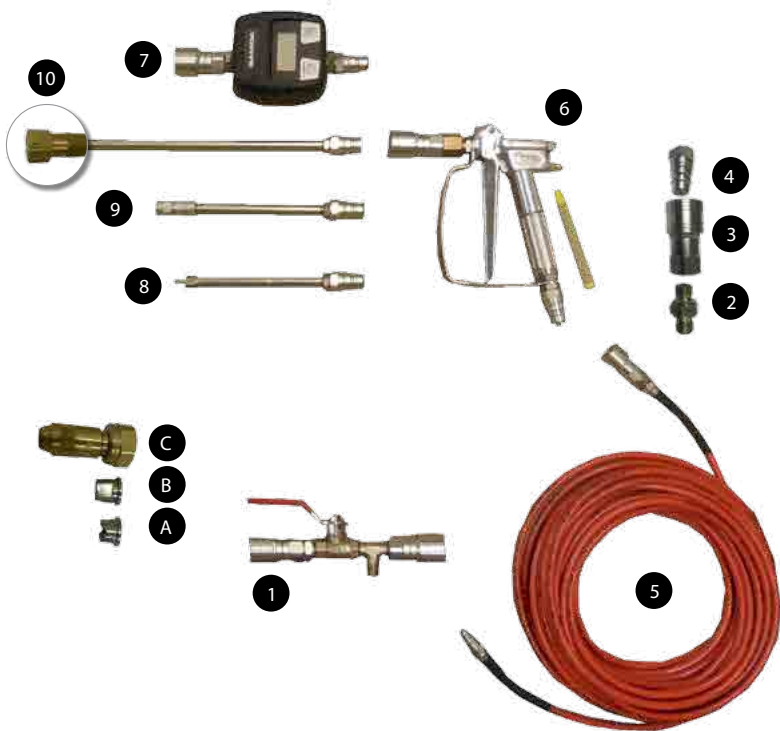
**HIGH-PRESSURE
THREADED COUPLINGS**

| PIC | DESCRIPTION | REF |
|-----|---|----------|
| | Adapter 1/4" Male/Male | 03070014 |
| | Adapter 1/4" Female/Female | 03070013 |
| 1 | High-Pressure hose Ø3/16 L=15m | 03070022 |
| | High-Pressure hose Ø3/16 L=25m | 03070023 |
| 2 | Injection/spraying gun | 04060120 |
| 8 | Gun's filter | 04060090 |
| 3 | Digital flowmeter (max 60 bars) for injection/spraying gun | 04050101 |
| 4 | Male injection nozzle for injectors without head | 04040015 |
| 5 | Female injection nozzle for injectors with moulded round head nipple | 04040029 |
| 6 | Straight spray extension L= 30 cm | 04040041 |
| | L 60 cm | 04040042 |
| | L 100 cm | 04040043 |
| | L 200 cm | 04040046 |
| 7 | Wide angle nozzle + spray extension L= 60 cm | 04040036 |
| A | Spray nozzle 4L (if pump with double outlet) | 04040120 |
| B | Spray nozzle 8L | 04040125 |
| C | Orientable spraying head from 0° to 40° | 04040048 |



**HIGH-PRESSURE
RAPID COUPLINGS**

| PIC | DESCRIPTION | REF |
|-----|--|----------|
| | Angled pump outlet with female rapid coupling | 14010050 |
| 1 | Double pump outlet with valve and rapid couplings | 14010051 |
| 2 | Adapter 1/4" Male/Male | 03070014 |
| | Adapter 1/4" Female/Female | 03070013 |
| 3 | Female rapid coupling | 03070040 |
| 4 | Male rapid coupling | 03070035 |
| 5 | High-Pressure hose Ø3/16 L=15m with rapid couplings | 14010060 |
| | High-Pressure hose Ø3/16 L=25m with rapid couplings | 14010055 |
| 6 | High-Pressure injection/spraying gun with inlet and outlet rapid couplings | 04060121 |
| | Female rapid coupling assembling for gun outlet | 14010035 |
| | Rapid couplings assembling for gun inlet | 14010040 |
| 7 | Digital flowmeter with inlet and outlet rapid couplings | 14010045 |
| 8 | Male injection nozzle with rapid coupling for injectors without head | 14010010 |
| 9 | Female injection nozzle with rapid coupling for injectors with moulded round head nipple | 14010015 |
| 10 | Straight spray extension with rapid coupling L=30 cm | 14010020 |
| | L60cm | 14010025 |
| | L100cm | 14010030 |
| A | Spray nozzle 4L (if pump with double outlet) | 04040120 |
| B | Spray nozzle 8L | 04040125 |
| C | Orientable spraying head from 0° to 40° | 04040048 |

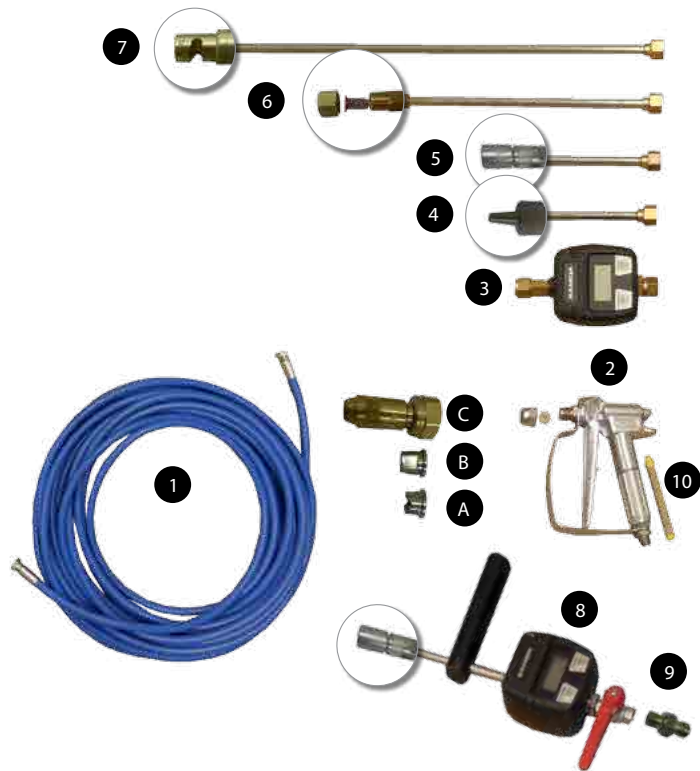


> **ACCESSORIES
FOR 8BP ET 25BP PUMPS**



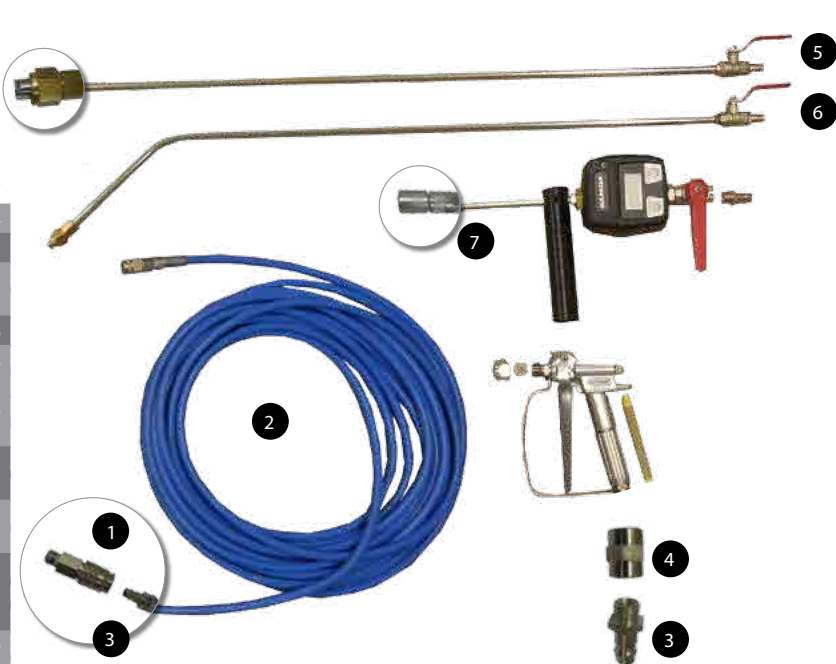
**LOW-PRESSURE
THREADED COUPLINGS**

| PIC | DESCRIPTION | REF |
|-----|--|----------|
| 9 | Adapter 1/4" Male/Male | 03070014 |
| | Adapter 1/4" Female/Female | 03070013 |
| 1 | Low-Pressure hose 1/4" 15m | 03090124 |
| | Low-Pressure hose 1/4" 25m | 03090129 |
| 2 | Injection/spraying gun | 04060120 |
| 10 | Gun's filter | 04060090 |
| 3 | Digital flowmeter (60 bars maximum) | 04050101 |
| 4 | Male injection nozzle for injectors without head | 04040015 |
| 5 | Female injection nozzle for injectors with moulded round head nipple | 04040029 |
| 6 | Straight spray extension L= 30 cm | 04040041 |
| | L 60 cm | 04040042 |
| | L 100 cm | 04040043 |
| | L 200 cm | 04040046 |
| 7 | Wide angle nozzle + spray extension L= 60 cm | 04040036 |
| 8 | Female injection nozzle for injectors with moulded round head nipple + flowmeter and valve | 03090103 |
| A | Spray nozzle 4L (if pump with double outlet) | 04040120 |
| B | Spray nozzle 8L | 04040125 |
| C | Orientable spraying head from 0° to 40° | 04040048 |



**LOW-PRESSURE
RAPID COUPLINGS**

| PIC | DESCRIPTION | REF |
|-----|--|----------|
| | Adapter 1/4" Male/Male | 03070014 |
| 4 | Adapter 1/4" Female/Female | 03070013 |
| 1 | Female Low-Pressure rapid coupling M1/4" | 07030825 |
| 3 | Male Low-Pressure rapid coupling M1/4" | 07030826 |
| 2 | Low-Pressure hose 15m with rapid coupling | 03090116 |
| | Low-Pressure hose 25m with rapid coupling | 03090130 |
| 5 | Straight spray extension with spray nozzle and valve L=1m | 03090121 |
| 6 | Curved spray extension with spray nozzle and valve L=1m | 03090132 |
| 7 | Female injection nozzle for injectors with moulded round head nipple + flowmeter and valve | 03090103 |
| A | Spray nozzle 4L (if pump with double outlet) | 04040120 |
| B | Spray nozzle 8L | 04040125 |
| C | Orientable spraying head from 0° to 40° | 04040048 |





WALL TREATMENT

«MOISTURE IS THE MOST WIDESPREAD TROUBLEMAKER IN BUILDINGS»

This moisture, depending on the size, origin or the cause, results in different symptoms but always leads to the degradation of materials and the decoration's deterioration.

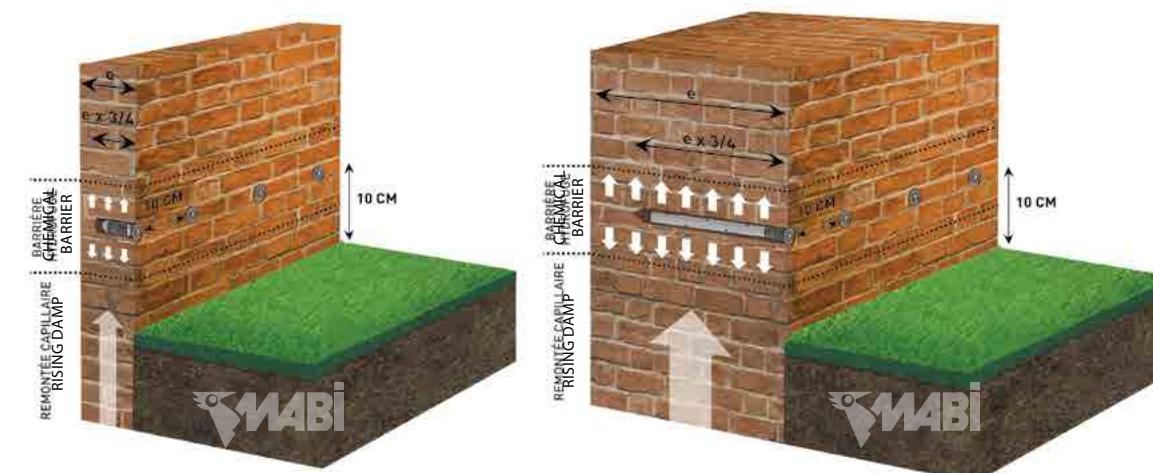
Moisture is not a fatality or an incurable disease, if the origin can not be removed, the causes of disorders must always be treated at the source.



* The methods are given for information purposes only.
Always refer to the local legislation and to the chemical manufacturers advice before starting any job.

> RISING DAMP

TREATMENT METHOD BY INJECTION OF LIQUID DAMP-PROOFING CHEMICALS*



DIAGNOSIS

Before starting any work, we advise you find a precise and complete diagnosis for the reason the humidity is present. Confirm the rising damp by measuring the rate of moisture inside the masonry and define the walls to be treated.



01 DRILL

To prepare the treatment, all coatings have to be removed; and brittle or non-adhesive parts located into the injection zone have to be brushed. The injection holes have to be drilled on the outside, following a horizontal line or are placed in a staggered row in order to create a double chemical barrier.



02 INJECTION-PACKERS' IMPLEMENTATION

Plastic injection-packers are inserted into each injection hole, using a hammer and a mounting tool. The packers have been developed to keep enough pressure during and after the injection; to obtain an optimal diffusion of the product into the thickness of the wall. It's recommended to use diffusing tubes with the packers. Diffusing tubes are driven into the thickness of the wall and adapt themselves at the bottom of the packer.



03 INJECT

The product is injected with low pressure thanks to a gun and the corresponding MABI pump. The used pressure has to allow a good product penetration avoiding it to leak outside. For each injection, the injected product quantity should be controlled in order to respect the manufacturer's chemical product instructions (product quantity to be injected per linear meter).



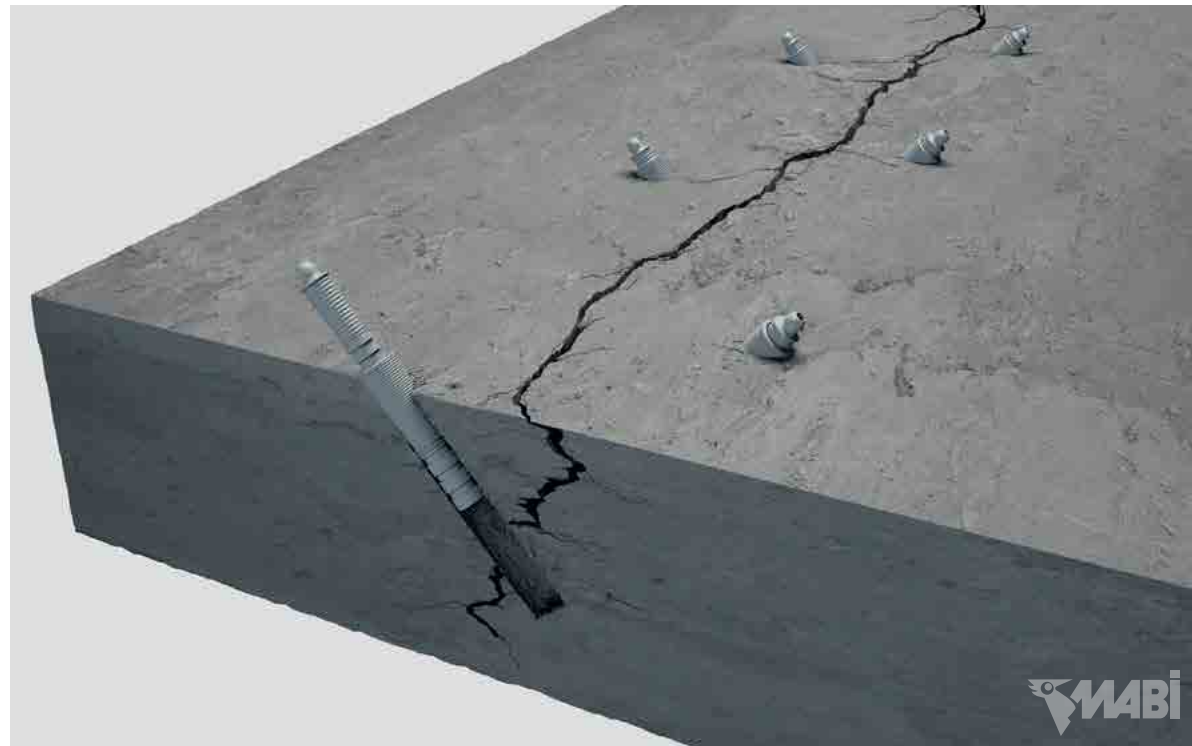
04 RENOVATE

The product reacts in the masonry to become hydrophobic resin and create a barrier. After 2-3 weeks the moisture flow is stopped by the chemical barrier. It is then necessary to facilitate at the maximum the drain conditions of the treated masonry (aerate, warm up and dehumidify). Regular monitoring of humidity can follow the progress of drying and renovations begin only when the wall reaches a humidity level inferior to 5%.

TREATMENT METHOD BY INJECTION OF DAMP-PROOFING CREAM*

For damp-proofing treatments with cream chemical, drilling will be as explained for liquid products, then the cream will be injected into each bore hole, taking care to apply it to the full depth with a specific pump.

> CONCRETE CRACK REPAIR



01 DRILL

Drill Ø12mm holes, in staggered row, in each side of the crack with a 45° angle to reach it in depth. Remove the dust with an air blown gun.



02 INJECTION-PACKERS' IMPLEMENTATION

The anchoring sleeves are inserted in each drilled hole, using a hammer until a perfect fit. With a mounting tool, hammer strongly the injection-packer into each anchoring sleeve. The anchoring sleeve expands and firmly holds all together. For vertical cracks, seal the crack in surface with a waterproof material to avoid the resin to come out.



03 INJECT

Inject gradually the resin depending on the concrete condition. Only use officially approved chemicals and equipment; wear the Personal Protective Equipment required. After injection, the injection-packer head can be immediately cut and holes must be resealed.

> CURTAIN INJECTION



A curtain injection allows sealing an underground building structure without digging.

Depending on the chemical density, you may use different kind of injection-packers.

For thick products like gel, the injection packer internal diameter must be higher. In that case, you can use an injection-packer with a 6mm non-return ball valve.

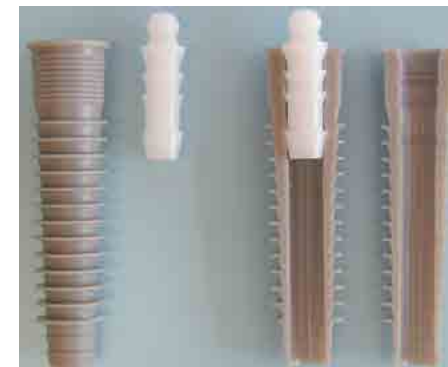
Also, in case of low counter pressure, you can use an injection-packer without valve and then add a cap to stop the backflow.

Drilling will be done in a grid pattern through the structure to reach the outside.

Extension rods to adapt at the bottom of the injection-packers are available.

After injection, the disposable injection-packers remained inside the bore holes to avoid any backflow and to save time so labor cost.

Other possible use: Filling of cavities, hollows and voids / Sealing of joints / Masonry consolidation.



For a 2-stage injection in a structure with cavities, hollows and voids:

- Cement injection by a Ø12mm injection-packer without valve to consolidate the structure
- Insertion of a Ø6.5mm injection-packer inside the Ø12mm one, to provide a non-return system and to inject your chemical under pressure.

> FACADE WATERPROOFING AND ROOF MOSS REMOVAL



To spray the facade water repellent and the moss removal chemical, we recommend you to follow the manufacturers label regarding the number of layers to be applied and the amount of chemical per m².

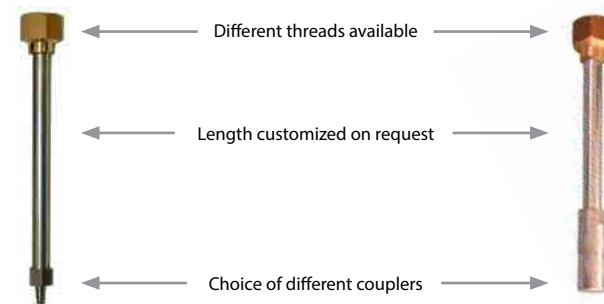
Caution: MABI pumps are not recommended with products containing chlorine or bleach.

WALL TREATMENT SAVE TIME AND MONEY WITH MABI'S PRODUCTS



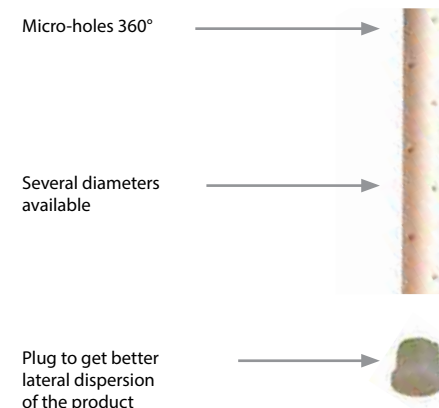
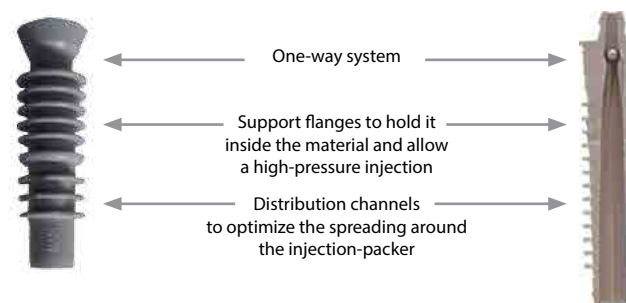
PUMPS P. 32/34

- Top of the range motorization: Strengthened winding for improved performance and extended lifetime.
- Multi -Product Pump: Assembled with ceramic pistons, Viton armaments and Teflon seals for a better resistance to treatment products.



INJECTION ACCESSORIES P. 28 / 33 / 34

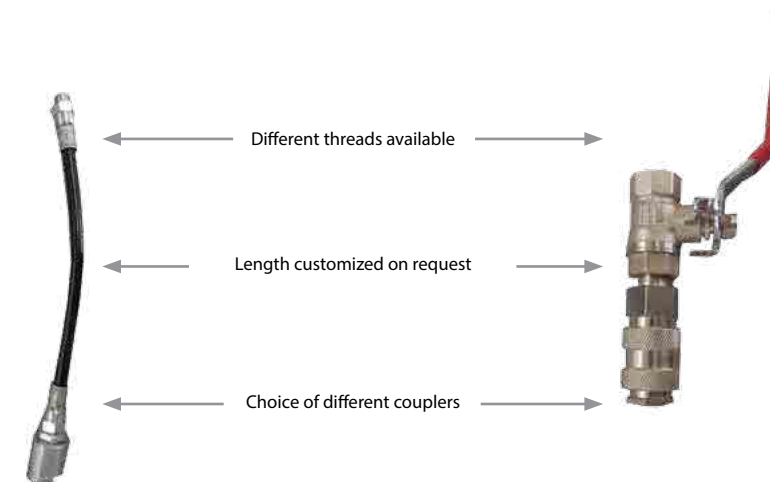
- Choice of different couplers for injection-packers with all kinds of connections.
- Different threads and lengths available on request to adapt on all equipment.



DIFFUSING TUBES P. 30

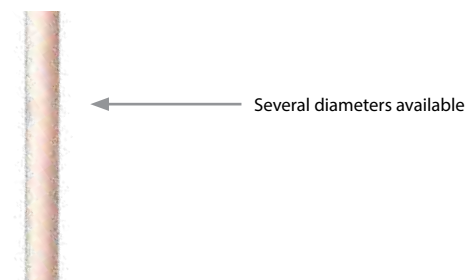
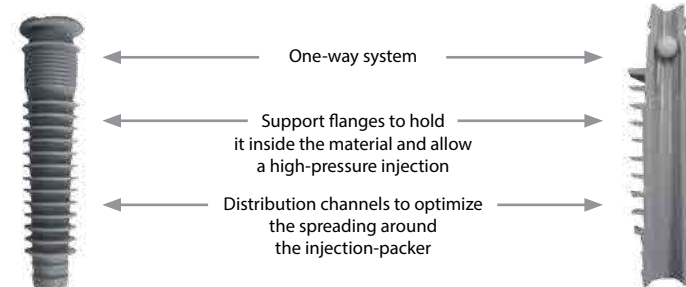
- Micro-holes 360°: to get a better dispersement laterally and in depth.
- 2 meters long; cut it to the lenght of your choice to adapt it to your needs.

WALL TREATMENT SAVE TIME AND MONEY WITH MABI'S PRODUCTS



INJECTION-PACKERS WITH A ONE-WAY SYSTEM P. 29 / 31

- To increase the effectiveness of chemicals: optimal distribution in the material under pressure.
- To treat faster: only a few seconds to spread the product. Reinjection possible without need for new drilling.
- To improve security: no spilling, splashing or any back flow of chemical.
- To strengthen the professional image of the applicator and reassure the final customer: with a visible system and a cleaner jobsite.
- Cost savings: speed and efficiency will reduce labor cost. Anti-return valve avoids waste of chemical.



EXTENSION RODS P. 30

Convenient, reach the spot of your choice with the rod adapted at the bottom of the injection-packers.

> **PRODUCT PRESENTATION**



**SDS PLUS
CONCRETE DRILL BITS**

High resistance, carbide head, 2 Cutter Heads. (Other lengths on request).

| | Full length |
|----------|-------------|
| 02100004 | Ø10 L260 mm |
| 02100005 | Ø10 L450 mm |
| 02100009 | Ø12 L260 mm |
| 02100010 | Ø12 L450 mm |
| 02100011 | Ø12 L600 mm |
| 02100018 | Ø14 L260 mm |
| 02100014 | Ø14 L450 mm |
| 02100015 | Ø14 L600 mm |
| 02100025 | Ø18 L300 mm |
| 02100027 | Ø18 L450 mm |



**COUPLING FOR ROUND
HEAD CONNECTION**

4 jaws. Without non-return valve. Internal thread M10x1.

| | |
|----------|---|
| 03090012 | Coupling for injection-packers with moulded round head nipple |
|----------|---|



**TELESCOPIC
HIGH-PRESSURE
SPRAY EXTENSION PIECE**

ERGONOMIC ADJUSTABLE
Recommended for moss removal and spraying without scaffolding.
Supplied with two couplings (threaded ¼ and Low-Pressure rapid coupling) and one spray nozzle.
Pressure: 130 BAR max / Weight: 2.5 Kg
Highly resistant fiberglass 3x2m.

| | |
|----------|--------------------------|
| 04040167 | Telescopic high-pressure |
|----------|--------------------------|



**AIR BLOWN
GUN**

30cm nozzle with pneumatic coupling. Useful to clean easily the cracks and bore holes before injection. To be connected to your compressor.

| | |
|----------|---------------|
| 08020004 | Air blown gun |
|----------|---------------|



**COUPLING FOR
FLAT HEAD CONNECTION**

Internal thread M10x1.

| | |
|----------|---|
| 04040017 | Coupling for injection-packers with flat head |
|----------|---|



**INJECTION
HOSE**

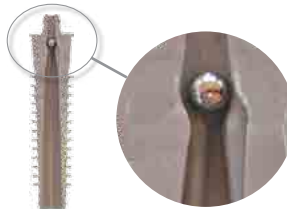
External thread 1/4" and M10x1.

| | |
|----------|----------------------|
| 04070005 | Injection hose L30cm |
|----------|----------------------|

Other accessories page 33.

LOW-PRESSURE INJECTION-PACKERS

Injection pressure from 1 to 60 bars. Please note that the maximum pressure may vary depending on the type of structure and its condition.



ONE-WAY METAL BALL SYSTEM
Allows the injection of a large quantity of product without back flow.



MOULDED ROUND
HEAD NIPPLE



AIR PLUG



FLAT HEAD



WITHOUT HEAD



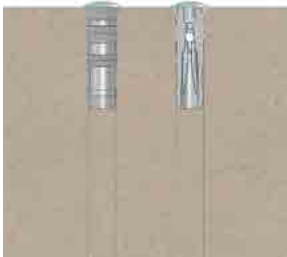
| SIZE | CONNECTION | COLOR | CHARACTERISTICS | REF BY 1000 |
|-----------|---------------------------|-------|--|-------------|
| Ø6.5x27mm | Moulded round head nipple | Grey | 3mm steel ball | 01010002 |
| Ø6.5x29mm | Flat head | Grey | 3mm steel ball | 01010001 |
| Ø12x60mm | | Grey | Without valve (possibility to add a 6.5mm injection-packer) | 01090010 |
| Ø12x76mm | Air plug | White | Without valve (possibility to add a 6.5mm injection-packer) | 01090017 |
| Ø12x47mm | Without head | Grey | 3mm steel ball | 01080015 |
| Ø12x47mm | Without head | White | 3mm steel ball | 01080013 |
| Ø12x65mm | Moulded round head nipple | Grey | 3mm steel ball | 01090002 |
| Ø12x65mm | Flat head | Grey | 3mm steel ball | 01090030 |
| Ø14x65mm | Moulded round head nipple | Grey | 3mm steel ball | 01090007 |
| Ø14x65mm | Flat head | White | 3mm steel ball | 01090036 |
| Ø18x77mm | Moulded round head nipple | Grey | 3mm steel ball | 01040013 |
| Ø18x80mm | Air plug | Grey | 6mm plastic ball | 01040018 |
| Ø18x80mm | Air plug | Grey | Without valve | 01010086 |

CAPS AND PLUGS

To hide and protect the injection packers. Caps allow to inject again later.



| SIZE | COLOR | REF BY 500 |
|---|--------|------------|
| For injection-packers Ø12mm without head | grey | 01060010 |
| For injection-packers Ø12 without head | white | 01060008 |
| For injection-packers Ø18 with moulded round head nipple | grey | 01060005 |
| For injection-packers Ø18 with moulded round head nipple | white | 01060004 |
| For injection-packers Ø18 Air plug without valve <i>Allow to stop the backflow in case of low counter-pressure</i> | yellow | 01060020 |



MOUNTING TOOLS

For setting up the injectors without damaging the connection.

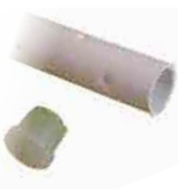


| DESIGNATION | REF |
|--|----------|
| For injectors with moulded round head nipple | 02010001 |
| For injectors without head | 02010004 |
| For injectors with air plug connection | 02010003 |



DIFFUSING TUBES AND CAPS

Tubes to be connected at the bottom of the injection-packers.
Homogeneous spreading into the whole depth due to the micro-holes.



| | |
|---|----------|
| Tube L=2 M for Ø12/14mm injection-packers (by unit) | 01080024 |
| Cap for Ø12mm tube (by 100 units) | 01080020 |
| Tube L=2 M for Ø18mm injection-packers (by unit) | 01040020 |
| Cap for Ø18mm tube (by 100 units) | 01040007 |



EXTENSION RODS

Tubes to be connected at the bottom of the injection-packers to reach further.



| | |
|---|----------|
| Tube L=2 M for Ø12/14mm injection-packers (by unit) | 01080025 |
| Tube L=2 M for Ø18mm injection-packers (by unit) | 01040021 |

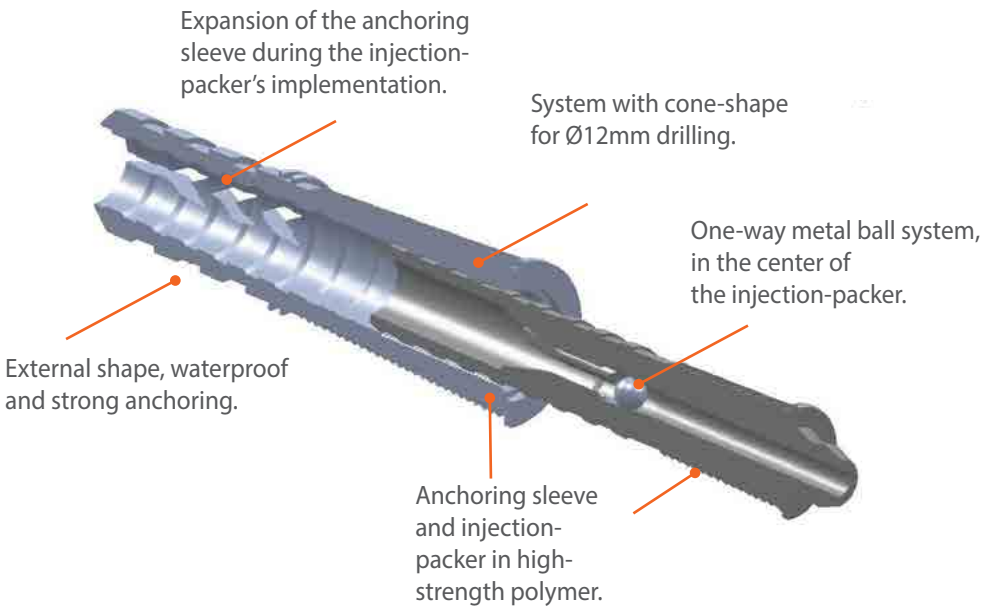


HIGH-PRESSURE INJECTION-PACKERS



Injection pressure from 1 to 150 bars. Please note that the maximum pressure may vary depending on the type of structure and its condition.



| SIZE | CONNECTION | COLOR | CHARACTERISTICS | REF BY 500 |
|----------|---------------------------|-------|-----------------|------------|
| Ø12x60mm | Moulded round head nipple | grey | 3mm steel ball | 01090050 |



> PUMP FOR RISING DAMP TREATMENT
WITH LIQUID PRODUCTS

| CHARACTERISTICS | 25BP | | 8BP | |
|-----------------|---|---|---|--|
| |  | |  | |
| | PUMP | | | |
| | PRESSURE | 0 to 25 BAR | 0 to 17 BAR | |
| | FLOW | 25L/MIN | 8L/MIN | |
| | TECHNOLOGY | Double membranes | 3 ceramic pistons | |
| | MOTOR | Electric 230V 50Hz 1.5Kw | Electric 220/240V 50Hz 0.55Kw | |
| | PROTECTION | IP44 | | |
| | USE RECOMMENDATIONS | Liquid product injection for rising damp treatment. Spraying for pre-construction termite protection. Occasionally: Anti-moss and facade water-repellent spraying. Liquid product injection and spraying for wood-treatment (solvent or water-based) and dry rot treatment. | Liquid product injection for rising damp treatment. Anti-moss and facade water-repellent spraying. Occasionally: liquid product injection and spraying for wood-treatment (solvent or water-based) and dry rot treatment. | |
| | ADVANTAGES | High-flow. Easy care. The best choice for rising damp treatment with liquid chemicals. Possibility to upgrade your pump thanks to its modular frame. | Low and steady flow for the facade water-repellent spraying. Economic and light. | |
| MODEL | REF PUMP ALONE | 03090300 | 03090060 | |
| | DIMENSIONS (L X W X H) AND WEIGHT | 52x32x31.5 cm / 28 kg | 31x30x36 cm / 19 kg | |
| | WHEELS AND HANDLE OPTION | 03090640 | / | |
| | HOSE WINDER OPTION | 03090615 (hose not included) | / | |
| | PROTECTIVE SIDE OPTION | 03090631 (Right) and 03090632 (Left) | / | |
| ACCESSORIES | BODY PUMP SEALS KIT | | 03400099 | |
| | PRESSURE REGULATOR SEALS KIT | 03091025 | 03080340 | |
| | VALVE | 03091015 | 03080111 | |
| | MEMBRANE KIT | 03091000 | / | |
| | OIL FOR PUMP (1L) | 08020040 (SAE 30) | 03040998 (15W40) | |
| | CLEANING PUMP PRODUCT (5L) | 03080951 | | |
| | OTHER ACCESSORIES | SEE PAGE 33 (all the pumps from this page are equipped with a low-pressure rapid coupling in exit. To adapt accessories with threaded couplings, you should first add the adaptors 07030826 + 03070013). | | |

> ACCESSORIES
8BP AND 25BP PUMPS



LOW-PRESSURE
THREADED COUPLINGS

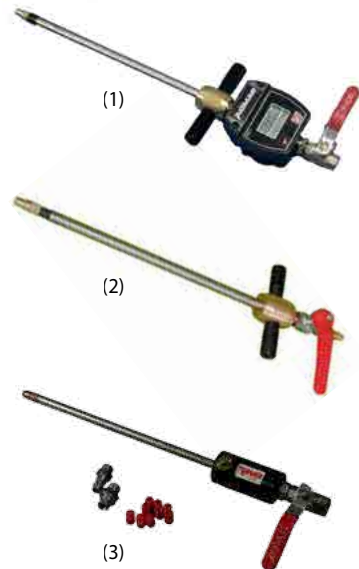
| PIC | DESCRIPTION | REF |
|-----|--|----------|
| 9 | Adapter 1/4" Male/Male | 03070014 |
| | Adapter 1/4" Female/Female | 03070013 |
| 1 | Low-Pressure hose 1/4" 15m | 03090124 |
| | Low-Pressure hose 1/4" 25m | 03090129 |
| 2 | Injection/spraying gun | 04060120 |
| 10 | Gun's filter | 04060090 |
| 3 | Digital flowmeter (60 bars maximum) | 04050101 |
| 4 | Male injection nozzle for injectors without head | 04040015 |
| 5 | Female injection nozzle for injectors with moulded round head nipple | 04040029 |
| 6 | Straight spray extension L= 30 cm | 04040041 |
| | L 60 cm | 04040042 |
| | L 100 cm | 04040043 |
| | L 200 cm | 04040046 |
| 7 | Wide angle nozzle + spray extension L= 60 cm | 04040036 |
| 8 | Female injection nozzle for injectors with moulded round head nipple + flowmeter and valve | 03090103 |
| A | Spray nozzle 4L (if pump with double outlet) | 04040120 |
| B | Spray nozzle 8L | 04040125 |
| C | Orientable spraying head from 0° to 40° | 04040048 |



LOW-PRESSURE
RAPID COUPLINGS

| PIC | DESCRIPTION | REF |
|-----|--|----------|
| | Adapter 1/4" Male/Male | 03070014 |
| 4 | Adapter 1/4" Female/Female | 03070013 |
| 1 | Female Low-Pressure rapid coupling M1/4" | 07030825 |
| 3 | Male Low-Pressure rapid coupling M1/4" | 07030826 |
| 2 | Low-Pressure hose 15m with rapid coupling | 03090116 |
| | Low-Pressure hose 25m with rapid coupling | 03090130 |
| 5 | Straight spray extension with spray nozzle and valve L=1m | 03090121 |
| 6 | Curved spray extension with spray nozzle and valve L=1m | 03090132 |
| 7 | Female injection nozzle for injectors with moulded round head nipple + flowmeter and valve | 03090103 |
| A | Spray nozzle 4L (if pump with double outlet) | 04040120 |
| B | Spray nozzle 8L | 04040125 |
| C | Orientable spraying head from 0° to 40° | 04040048 |





STAINLESS-STEEL INJECTING RODS

Injection against rising damp without injection-packers. The thick polyurethane valve joint expands to fill the bore hole and seal it.

Each injecting rod is delivered with 1 threaded coupling male/male and 1 low-pressure rapid coupling.

Length = 25 CM. Other injecting rods on request.

| DÉSIGNATION | REF |
|--|----------|
| Automatic injecting rod Ø10mm (3) | 04080008 |
| Injecting rod Ø12mm (2) | 04080010 |
| Injecting rod Ø12mm + pressure manometer | 04080007 |
| Valve joint Ø12 | 04080013 |
| Injecting rod Ø14mm | 04080001 |
| Injecting rod Ø14mm with flowmeter (1) | 04080002 |
| Valve joint Ø14mm | 04080023 |

> PUMP FOR DAMP PROOFING CREAM



> Easy to use and to maintain.

> 20 litre tank to save time on your jobs by avoiding frequent refills.

> Comes with a 15 meters hose, an injection gun with 30cm and 50cm tubes for easy application of the cream into the boreholes.

STANDARD PUMP FOR CREAM

Connect your compressor (maximum supply pressure: 10 bars).

| SIZE (L X W X H) | REF |
|------------------|----------|
| 88 x 37 x 41 cm | 03090150 |

PUMP WITH INTEGRATED COMPRESSOR

With an electrical compressor 230V 50Hz 1.5Kw. 70l/min. Maximum 8 bars. 6L tank.

| SIZE (L X W X H) | REF |
|------------------|----------|
| 88 x 37 x 70 cm | 03090151 |

> MANUAL HIGH-PRESSURE PUMP FOR RESIN



MANUAL PUMP

Light, economical. Ideal for injection of small quantities of epoxy or polyurethane resins with high-pressure. 550ccm capacity. Weight 0,96kg.

| DESIGNATION | REF |
|---|----------|
| Manual high-pressure pump for resin | 03060200 |
| Manual high-pressure pump for resin with 30cm hose and Coupling for Moulded Round head nipple | 03060201 |
| Manual high-pressure pump for resin with hose and Coupling for Flat head connection | 03060202 |

«ENHANCED SECURITY
AND ADJUSTMENT OPTIMAL»

MANY PPE AVAILABLE.
CONTACT US FOR THE FULL CATALOGUE.

PERSONAL PROTECTIVE EQUIPMENT



DISPOSABLE COVERALLS

Dust or chemical protection (by 25 units)



WASHABLE COVERALLS

Flexothane coveralls Size M to XXL



DISPOSABLE HALF MASKS

Half masks FFP1 / FFP2 / FFP3
with or without valve



HALF-MASK

05010090 Half mask with 2 filters
05010093 Filters A1B1E1P3 (box of 2 units)



WIDE SCREEN MASK

05010080 Wide screen mask
05010007 Filter A2B2P3



PROTECTIVE GLOVES

Solvent gloves L=33cm [1]
Size M to XXL (by 12 pairs)
Handling gloves [2]
Size 9 and 10 (by 12 pairs)



EUROPEAN MARKET LEADER, MABI MEETS THE NEEDS OF PROFESSIONALS IN MORE THAN 30 COUNTRIES WORLDWIDE FOR NEARLY 50 YEARS.



100% OF OUR OWN PRODUCTS ARE MANUFACTURED IN FRANCE



TO DATE, WE HAVE FILED 12 INTERNATIONAL PATENTS, 2 TRADEMARKS AND 1 MODEL



WE ARE COMMITTED TO PROTECT THE ENVIRONMENT INCLUDING RECYCLING OF MATERIALS AND ENERGY SAVING

REASONS FOR BEING A MABI DISTRIBUTOR:

Sell innovative products that provide solutions to your customers and get a real partnership. MABI offers to you:

> MARKETING, SALES AND TECHNICAL SUPPORT:

Personalized selling tools (explanatory leaflets of the treatment methods, roller banners for your exhibitions, entomologist case to better visualize wood-boring insects and termites, technical assistance videos).

Demonstrations, Technical and sales training, A Mabi salesperson by your side during your shows.

> AN ENGINEERING AND DESIGN DEPARTMENT (R&D):

We design and manufacture new products according to your specifications to meet your customer's expectations and the specificities of your market.



MABI SARL

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