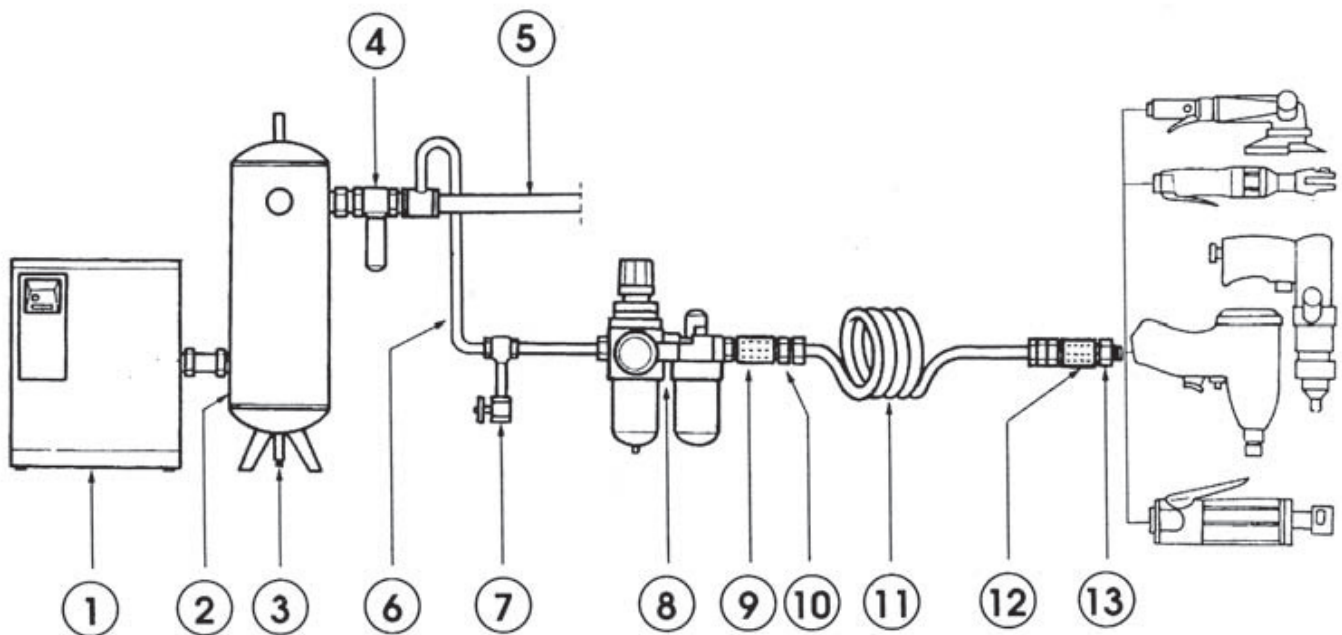




1948

INSTRUCTIONS



- 1 AIR COMPRESSOR
- 2 AIR TANK
- 3 AUTOMATIC CONDENSATE DRAIN
- 4 MAIN FILTER
- 5 MAIN PIPEWORK
- 6 SUPPLY LINE
- 7 CONDENSATE DRAIN
- 8 FILTER-REGULATOR-LUBRICATOR 1/4"
- 9 COUPLER 1/4"
- 10 COUPLING 1/4"
- 11 HOSE 6 mm
- 12 COUPLER 1/4"
- 13 COUPLING 1/4"

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<i>Part. No.</i>	<i>Code</i>	<i>Description</i>	<i>Part. No.</i>	<i>Code</i>	<i>Description</i>
1	1948 501	NOSE	11	1948 511	O-RING 10,82x1,78 (2 PCS.)
2	1948 502	SPRING	12	1948 512	RING NUT
4	1948 504	SPACER	13	1948 513	RETAINER RING
6	1948 506	CYLINDER AND PISTON	14	1948 514	VALVE ASSEMBLY
7	1948 507	HOUSING	16	1948 516	HOSE WITH CONNECTORS
8	1948 508	FILTER		1948R010	SERVICE KIT (PART. 2,11)
10	1948 510	STEM VALVE			

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INSTRUCTION MANUAL FOR AIR HAMMERS AND NEEDLE SCALERS

Tool distributed by:
BETA UTENSILI srl

TO BE ABSOLUTELY DELIVERED TO THE USER

To reduce the risk of any, damage to people, before using or repairing the tool, doing any maintenance jobs or replacing any accessories, **READ ALL THE SECTIONS OF THE INSTRUCTION MANUAL CAREFULLY.**

SAFETY INSTRUCTIONS FOR AIR HAMMERS AND NEEDLE SCALERS

It is our aim to supply air tools which allow you to work efficiently and SAFELY.

It is however understood that YOU are the most important 'safety device' for any tool, as taking meticulous care is the best way of preventing injury.

Although we cannot enumerate all types of risks here, we tried to lay stress on some of the most significant ones.

Let us remind you that this tool must be used only by skilled workers and that the machine must never be forced; do not overload the tool.

RISKS DUE TO CONNECTION TO COMPRESSED AIR

Compressed air may harm people severely.

Do not direct air towards you or any other people.

The air coming out of the hoses may harm people severely; periodically check whether the hoses and/or fittings are loose and/or have been damaged.

Whipping hoses may cause severe damage.

Before handling the tool, close the main plant, release residual pressure and disconnect the tool only when it is not working.

Pressure must not exceed 6.2 Bar, as measured at the air inlet while the tool is working, or the value shown on the tool plate.

RISKS OF VARIOUS KINDS

Stay at a safety distance from the moving parts of the tool.

Do not wear any accessory round your neck, such as chains or necklaces. Do not wear any bracelets or loose clothes.

Avoid contact of accessories and tools with your hair.

Avoid contact with any accessories in motion, while the tool is being used or after it has been used.

Always wear work gloves to reduce the risk of cutting and burning yourself.

RISKS DUE TO SPLINTERS AND FRAGMENTS

Warning: small splinters and fragments may also harm your eyes and result in blindness.

Always wear eye protection while using the tool, doing any maintenance jobs and replacing any accessories or spare parts. This measure must also be taken by anyone who works nearby.

Use only suitable needles in good condition.

Do not use the tool improperly, as it might work too quickly, thus causing the accessories to be ejected.

Use protection barriers between the operator and any other workers to reduce the risks arising from splinters and sparks.

RISKS RELATED TO WORKING CONDITIONS

Mind too long hoses left at the work station; stumbling and falling is likely to result in severe injury.

High noise levels may result in permanent loss of hearing; **wear ear protection, as recommended by the employer and/or the regulations.**

Stay in a safe, well-balanced position.

Repetitive movements and awkward positions combined with vibrations may cause your hands and arms to be harmed; special precautions should be taken.

Do not breathe dust and waste; partially protect yourself with a filtering mask.

Both the workers and the maintainers must be physically fit for the size, weight and power of this tool.

This tool was not designed to be used in areas exposed to the risk of explosion and is not so insulated as to come into contact with power sources.

OTHER SAFETY REQUIREMENTS

This tool and its parts and accessories must not be modified and/or tampered with.

The building material of this tool may be subject to wear.

Working with compressed air tools may result in high vibrations; therefore, take any precautions needed.

Prevent your hands from being trapped between the tool and any object.

FOR FURTHER INFORMATION ABOUT SAFETY REFER TO THE FOLLOWING:

The documents, information and instructions supplied with this tool;

The employer, trade associations and/or trade unions;

The EEC Council and/or local authorities

"Safety Requirements for Hand Held Non-Electric Tools", available at: European Committee for Standardization, Rue de Stassart 36, 1050 Brussels, Belgium.

REQUIREMENTS FOR PROPER AIR CONNECTION

Feed the tool with clean air, free from water or condensate, at a pressure of 6.0 Bar, as measured at the air inlet, while the tool is working.

An excessively high pressure results in a shorter life for the mechanical parts and may cause people to be severely harmed.

Connect the tool to the feeding plant, using accessories of the same size as that shown in the enclosed drawing.

Do not fix any quick couplers directly into the air inlet.

Consult the instructions to connect the accessories properly.

Consult the specifications in this manual.

LUBRICATION

For optimal use, connect the tool to a filter-lubricator unit provided with an air-oil microfog mixer

(item 1919F...) set at two drops per minute, pouring special oil ISO 32 (item 1919L) in.

The above-mentioned accessories will translate into a high-performing tool and wear-resistant mechanical parts.

If the line is not supplied with any lubricator, pour oil ISO 32 or SAE # 10 into the tool at least once a day.

Do not use kerosene or diesel oil.

MAINTENANCE

If the tool should not start back after it has not been used for quite long, disconnect it and shift the tool needles by hand, thus preventing adhesion.

Disassemble and inspect the power unit and tool assembling every 3 months if the needle scaler is used every day, replacing any worn parts.

We recommend using the enclosed exploded view as a manual to disassemble and assemble the tool as well as to identify any spare parts.

Keep the tool away from dust, humidity and intense cold.

CHARACTERISTICS

This powerful, universal needle scaler is supplied with 19 steel needles; it allows rust, paint, lime and slags to be removed. It is provided with an air inlet screw regulator.

WARRANTY

This tool is manufactured and tested with the greatest care, in accordance with current safety regulations, and is covered by a 24-month warranty.

We will repair any breakdowns caused by material or manufacturing defects by fixing the defective pieces or replacing them at our discretion. Should assistance be asked for during the warranty period, the expiry date of this warranty will remain unchanged.

This warranty will not cover any defects due to wear, misuse, or breakdowns caused by blows and/or falls. In addition, this warranty will no longer be valid if any changes are made, or if the tool is tampered with or sent to the customer service in pieces.

This warranty explicitly excludes any damage to people and/or things, whether direct or consequential.

DECLARATION OF CONFORMITY TO THE "MACHINE" DIRECTIVE



we
BETA UTENSILI SPA

hereby certify, assuming full responsibility, that the product:

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complies with the following standards, according to the requirements set by the "Machine Directive":
2006/42/CE

Place and date of issue
SOVICO (MB) ITALY
January 2010

Name and title of the person in charge

ROBERTO CICERI
(President)

SPECIFICATIONS

AIR INLET	1/4" taper GAS
WORKING PRESSURE	6,0 Bar
MAXIMUM WORKING PRESSURE	6,2 Bar
MINIMUM INTERNAL HOSE SIZE	6 mm
WEIGHT	0,15 Kg
OVERALL LENGTH	170 mm
HOSE LENGTH	1,5 m
MAXIMUM AIR CONSUMPTION	70 l/min
SOUND PRESSURE	83,1 dB (A) (prEN 50144)
SOUND POWER	89,8 dB (A) (prEN 50144)
VIBRATION LEVEL	12,3 m/sec ² (ISO 8662-1)