YDP-20

MANUAL

EN

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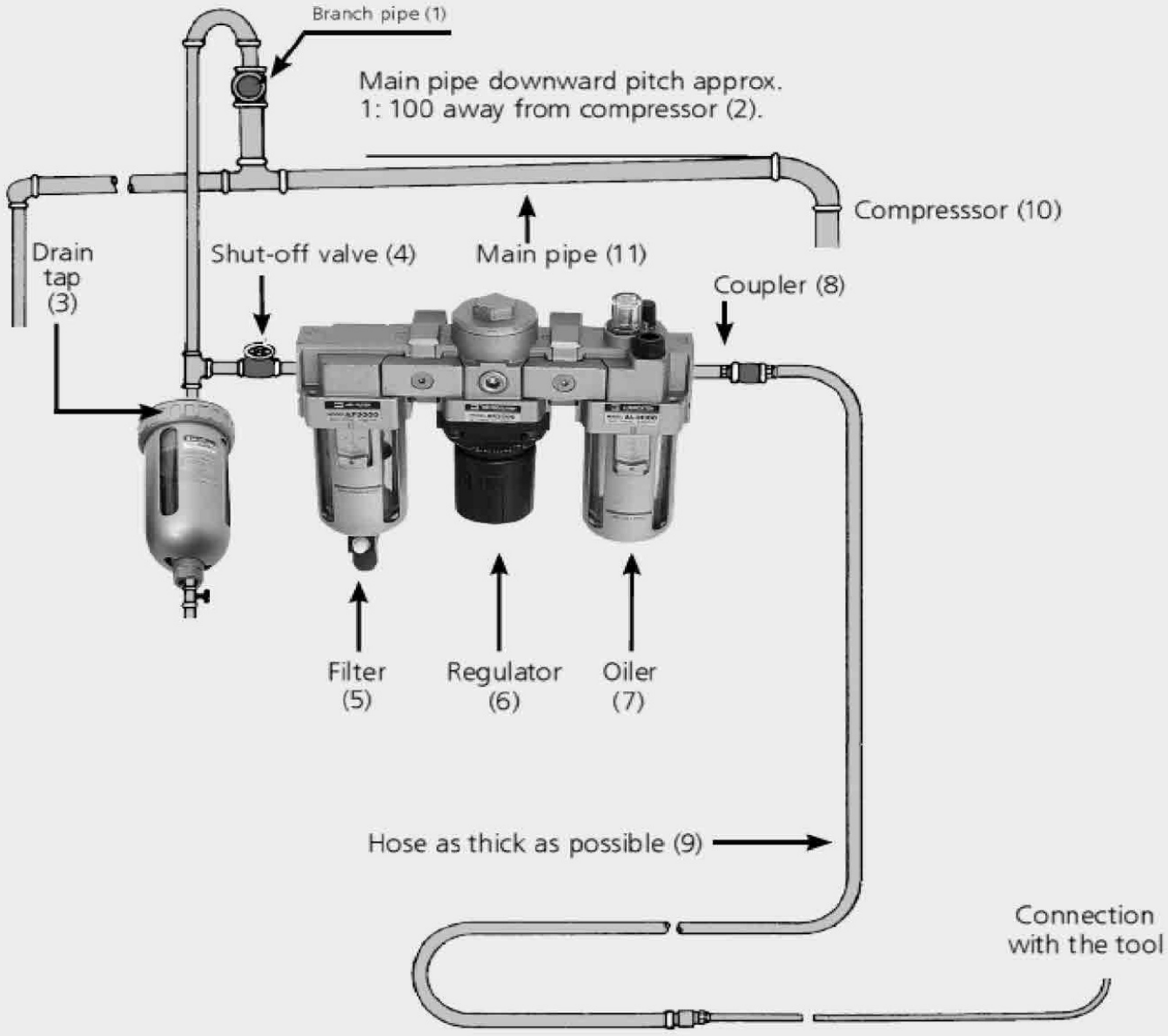
Air System


Branch pipe (1)
Main pipe downward pitch approx.
1: 100 away from compressor (2).
Compresssor (10)
Drain
tap
(3)
Shut-off valve (4)
Main pipe (11)
Coupler (8)
Filter
(5)
Regulator
(6)
Oiler
(7)
Hose as thick as possible (9)
Connection
with the tool

EN

Recommended

1. Branch pipe
2. Main pipe approx. 1:100 Downward pitch away from the compressor
3. Drain trap
4. Shut-off valve
5. Filter
6. Regulator
7. Oiler
8. Coupling
9. Air Hose (thick as poss)
10. Air compressor
11. Main pipe

Technical specifications

Brand : Yokota
Safety standard : EN ISO 11148-4
Capacity pin (mm) : 20
Stroke (mm) : 36 x 33
Strokes per minute : 2700
Airconsumption (l/s) : 4,3
Weight (kg) : 2,10
Airconnection : PT 1/4"
Hosediameter (mm) : 6,5
Vibration level (m/s^2) : 8,0
Noiselevel (dB(A)) : 95
mm A : 195
mm B : 82
Maximum Airpressure (Bar) : 6,3

Before taking into use

Read and understand the contents of this manual before installing, operating, repairing, maintaining, changing accessories this tool.

Only qualified and trained operators should install, adjust or use the tool.

Please fill some droplets of resin and acid free oil into the air inlet and let the tool run free for a couple of seconds. (E.g. Red Rooster air tool oil: Order no. Atlub)

Before connecting the hose to the tool please check, whether the hose and the quick coupler are clean. Do this by letting air run freely through hose and quick coupler, It is absolutely necessary, that quick coupler and hose have a sufficient diameter. Please note, that the hose is never too big, but mostly too small!

Air pressure at the inlet of the tool during running has to be at the maximum of 6.3 bar. When this pressure is exceeded, unnecessary wear and/or damage will occur. At the pressure of below 5.5 bar power loss will occur and if the pressure is excessively low, also additional wear/damage will occur.

The quality of the compressed air must be good, which means clean, dry and this is best assured by means of an air filter. We advise the use of a complete FRL (filter, regulator, lubricator) unit. The oiler has to be adjusted to approx. 3 to 6 droplets per minute. The air hose between oiler and tool should never exceed a length of 6 to 8 meters.

In those cases, where it is possible, use of a centralized oiler is recommended by us. This system will allow use of less oil and assure a perfect lubrication. When using a centralized oiler, oil consumption can be reduced by up to 80%.

Do not ignore safety precautions!

Safety

Do not modify this tool in any way, this can cause danger for the operator.

Make sure that this manual is accessible at all times for any relevant person, in case of loss of this manual ask your dealer for a new copy.

Make sure that during operation of the tool no projectiles can be generated, this can be dangerous and may cause injuries.

Make sure that the work piece is securely fixed.

Make sure that the inserted tool or accessory is mounted correctly, if not it may cause high speed projectiles.

Make sure that no dangerous circumstances can occur for other persons in the work area.

Always wear safety glasses during operation of the tool. The grade of protection must be in relation to the risk of the operation.

Never hold the drive shaft, socket, bit, inserted/mounted tool/accessory with your hands while rotating.

The use of safety-/working gloves is recommended.

Use ear protection as instructed by your employer or as required by occupational health and safety requirements.

Reasonable countermeasures have to be taken to keep the noise level as low as possible.

Always check that the mounted tool or accessory is not damaged. Breakage and flying fragments can cause injuries.

In case of long hair, wear a hairnet otherwise it can be trapped causing injuries.

Never wear loose clothing, wear suitable clothing otherwise it can be trapped causing injuries.

Only use accessories for this tool that are designated for this tool by it's manufacturer.

Convince yourself that no persons are in the working zone or danger zone.

The advised minimum age for operating this tool is 18 years.

Keep away from whipping hoses, this can cause injuries. A broken air hose or a hose that comes loose of the hose joint can start whipping. Shut down the air supply immediately.

Keep the work place clean and organized, you may stumble and fall over a hose on the floor. Slippery floors and objects on the floor are major causes of injuries.

This tool is not intended for use in potential hazardous areas and is not insulated from coming into contact with electric power.

Wear the appropriate clothing to feel comfortable at the workplace.

Cold exhaust air should be diverted from hands and body.

Air under pressure can cause injuries, be aware of this.

Never direct the exhaust air to yourself or anyone else.

Do not use quick change couplings direct on the air inlet of the tool as these may release during operation. Assemble at least 50 cm air hose with a hose joint of shock resistant material.

In case universal twist couplings (claw couplings) are used, the lock pins must be mounted.

Do not exceed the maximum air pressure as indicated on the tool.

Never carry the tool by the air hose.

On overhead work, use safety helmet.

Due to the process, the work piece, inserted/mounted tool/accessory may get hot causing burning injuries: Be aware of this.

Check the abrasive product on damages after it dropped.

Accessories

Only use accessories and consumables that are designed for the use with this tool.

In order to (dis)assemble the sanding belt: Push the front wheel backwards in the locking device, change the belt, unlock the locking device.

If the belt is not centered in the middle of the front wheel; correct this by adjusting the hexagon bolt on the right side, close to the front wheel. Do this while the tool is running.

The rpm is adjustable with the adjustment screw at the bottom side of the handgrip on place of the lever.

The sanding arm can be adjusted in any position. Fix the position with the hexagon screw.

Check the rotation direction of the sanding belt when assembling. A wrongly assembled belt can break on the joint of the belt.

Select the best available inserted/mounted accessories/consumables for the lowest possible noise level and vibration. Replace them in case of an increased noise level and/or vibration.

Do not use worn or bad fitting impact sockets or extensions, as this is likely to increase noise and vibration.

For impulse wrenches we advice to use "sleeve drive" sockets to minimize noise and vibration.

Make sure that the inserted/mounted tool/accessory is properly held by the retainer and make sure that the retainer is in good condition. Never use the tool without a retainer as this may cause high speed projectiles.

Only use sharp chisels, as blunt chisels require excessive pressure and can break.

Never cool down a hot tool/accessory as this may influence the hardness causing dangerous circumstances.

Make sure that the inserted/mounted abrasive is inserted/mounted correct and clamped.

After inserting/mounting an abrasive, let the tool run at no load in a safe direction for one minute, stop immediate at not normal vibrations/noise and correct this or replace the abrasive.

Select the correct abrasive dimensions, rpm and spindle fitting for this tool.

Inspect the abrasive product on damages, cracks or other defects before mounting it on the tool.

Spindle fitting of the abrasive must be correct, do not use any kind of adaptor to fit the abrasive.

Flanges for mounting the abrasives must be in good condition without cracks and spindle and spindle threads are not damaged.

Use the inserted/mounted accessory/tool according the manufacturer specifications.

Using the tool:

Before start using the tool, make sure that you are familiar with the workplace and surrounding area.

Always obey the safety regulations for the work area you are working in.

The angle/vertigal/straight grinder is only to be used for grinding/polishing and cutting various materials like steel/aluminum/plastics etc with the appropriate accessories available on the market. These accessories must be suitable for the use on an angle grinder as stated by it's manufacturer.

Hold the tool always firmly with both hands, one on the handgrip and one at the side handle.

Start the tool by unlocking the safety lever and pushing the main lever.

Apply sufficient force, never supply too much force as this will slow down the efficiency. Maximum efficiency during operation: 80 % of the free rpm.

Too much force may stop the tool.

During operating the tool, the operator may be exposed to hazards as crushing, impacts, heat, vibration, cuts, abrasions, etc: Wear suitable gloves.

Any person handling the tool must be able to handle the size, weight and power of the tool.

Always be prepared for normal/abnormal movements/forces generated by the tool.

Keep your body in balance, place your feet safe and secure.

In case of interruption of the air supply, release the lever/trigger.

Take care of the reaction forces, if the tool (suddenly) stalls.

When using a power tool, you may experience discomfort in your hands, arms, shoulders, neck and other parts of your body.

If you experience symptoms such as persistent or recurring discomfort, pain, throbbing, aching, tingling, numbness, burning sensation, or stiffness: Do not ignore these warning signs. Stop using the tool, tell your employer and consult a qualified health professional.

At cutting operations, make sure that the cut pieces can not fall, causing danger or injuries.

Maintenance:

Check the tool regularly on loose bolts/screws or parts.

Measure the rpm of the tool regularly, in case of higher or lower rpm than indicated in the technical specifications: Stop using the tool immediate and have it repaired.

Check the safety guard regularly on damages or cracks, if yes: stop using the tool and have it repaired.

In case of power loss: Have the tool repaired.

Only trained and qualified engineers are allowed to adjust or repair the tool.

In case the tool is equipped with a silencer, make sure that this silencer is working properly, a damaged silencer has to be replaced.

In case of disposal of the tool, follow local regulations, so as much as possible can be recycled. Do not throw it in the normal waste bin.

Intended use:

Never use the tool otherwise than the tool is designed for and as explained in this manual.

Damages as a consequence of not following this manual, or caused by incorrect use or incorrect repairs, will never be covered by our warranty and we will have no responsibility for it. We reserve the right for technical improvements, without prior notification.

This tool is designed for tightening processes on threaded fasteners, if used otherwise a risk assessment has to be made by the employer/user.

This tool is designed for drilling in various materials using the available on the market, appropriate drill bits designed for these applications. If used otherwise, like for example as mixer using special accessories a risk assessment has to be made by the employer/user.

This tool is designed for assembling, disassembling dowel pins using the original accessories. If used otherwise, or using not original accessories, a risk assessment has to be made by the employer/user.

This tool is designed for grinding, polishing processes using the appropriate accessories as explained in this manual. If used otherwise a risk assessment has to be made by the employer/user.

This tool is designed as a hammer, breaker using the appropriate chisels. If used otherwise a risk assessment has to be made by the employer/user.

This tool is designed for drilling in rock, concrete using the appropriate drill bits. If used otherwise a risk assessment has to be made by the employer/user.

This tool is designed as a needle scaler for cleaning processes on steel, concrete and so on. If used otherwise a risk assessment has to be made by the employer/user.

This tool is designed for cutting round materials, clamping processes. If used otherwise a risk assessment has to be made by the employer/user.

This tool designed for cutting various materials as steel, plastics, non ferro materials etc. If used otherwise a risk assessment has to be made by the employer/user.

This tool is designed for reshaping the tips of spot weld machines. If used otherwise a risk assessment has to be made by the employer/user.

This tool is designed for clamping C rings in car seats etc. If used otherwise a risk assessment has to be made by the employer/user.

This tool is designed for engraving work on all kind of materials. If used otherwise a risk assessment has to be made by the employer/user.

This tool is designed to assemble pop rivets. If used otherwise a risk assessment has to be made by the employer/user.

This tool is designed for cutting the glue of car windows, sawing sheet metal or polishing. If used otherwise a risk assessment has to be made by the employer/user.

This tool is designed as sump pump pumping various liquids. If used otherwise a risk assessment has to be made by the employer/user.

This tool is designed to pump various liquids from barrels. If used otherwise a risk assessment has to be made by the employer/user.

Warranty

The warranty period from the date of purchase is as follows:

- 12 months on Yokota , Toku and Red Rooster air tools;
- 3 months on spare parts of tools, which are repaired by us.

Warranty covers material or construction mistakes of the manufacturer, which are clearly definable. Replacement of parts or repair by an official Yokota/Red Rooster service workshop is free of charge, when the tool is covered by warranty. Freight or postage is for the account of the buyer. Damage attributable to a normal wear, overloading or incorrect use is excluded from warranty. Always consult this manual! Replacement of tools as a consequence of warranty claims is no part of the warranty arrangements.

Also claims for loss of production and/or other damages are excluded from this warranty.

Repairs under warranty can only be considered, when the tool is in its original state and it is accompanied by a copy of the purchase invoice. Warranty claims have to be made through the dealer, who has supplied the tool concerned.

Declaration of Conformity

CE Declaration of Conformity

Brand: Yokota

Product: Dowel pin pullers

Type: YDP-20

Capacity: 20

Serial number: from

WE, RAMI YOKOTA B.V. , hereby declare that this product

is conform the European Directive 2006/42/ce and , the standard EN ISO 11148-4

Technical file available from Rami Yokota BV:

RAMI YOKOTA BV

De Ruyterkade 120

1011 AB Amsterdam

THE NETHERLANDS

Date: 05-10-2015 Place: Amsterdam

Signature:

N. Nauta

Managing Director RAMI YOKOTA BV

www.rami-yokota.com

Program

Airtools

Yokota	Air tools
Yokota Hi-Tec	Impulse wrenches
Toku	Air tools
Red Rooster	Air tools
Red Rooster	Automotive airtools
Red Rooster	Air chain hoists
Red Rooster	Winches
Red Rooster	Impuls wrenches
SMC	Air treatment equipment
Action	Impact sockets

RAMI YOKOTA BV | DE RUYTERKADE 120 | 1011 AB AMSTERDAM | THE NETHERLANDS
Tel. +31-(0)20-5318800 E-mail info@rami-yokota.com www.rami-yokota.com