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IMPORTANT INFORMATION

compressor and in this Instruction Manual. Never use this compressor in a manner that has not been specifically recommended by manufacturer, unless you first confirm that the planned use will be occurs, and by observing appropriate safety procedures. Basic safety pre-pre-authors are outlined in the "SAFETY" section of this instruction Manual had in the sections which contain the operation and maintenance instructions. Hazards that must be avoided to prevent bodily injury or machine damage are identified by WARNINGS on the safe for you and others avoided by recognizing a potentially hazardous situation before it observe basic safety rules or precautions. An accident can often be compressor operation and maintenance are caused by the failure to or maintaining this compressor. Most accidents that result from and understand all of the operating instructions, warnings in the Instruction Manual before operating

hazardous situations which, if ignored, could result in serious MEANINGS OF SIGNAL WORDS WARNING: indicates a potentially

CAUTION: indicates a hazardous situations which, if ignored, could NOTE: emphasizes essential information moderate personal injury, or could cause machine damage

SAFETY

IMPORTANT SAFETY INSTRUCTIONS FOR USE OF THE COMPRESSOR

WARNING

DEATH OR SERIOUS BODILY INJURY COULD RESULT FROM IMPROPER OR UNSAFE USE OF COMPRESSOR TO AVOID HESE RISKS, FOLLOW THESE BASIC SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS

- NEVER TOUCH MOVING PARTS

 Never place your hands, fingers or other body parts near the
- Z.NEVER OPERATE WITHOUT ALL GUARDS IN PLACE
- 3. ALWAYS WEAR EYE PROTECTION in pièce and in proper working order, if maintenance or servicing requires; the removal of a guard or safety features, be sure to replace the guards or safety feature before resuming operation of Never operate this compressor without all guards or safety features
- Always wear safety goggles or equivalent eye protection
- 4.PROTECT YOURSELF AGAINST ELECTRIC SHOCK
 Prevent body contact with grounded surfaces such Compressed air must never be aimed at anyone or any part of the
- 5. DISCONNECT THE COMPRESSOR Prevent body contact with grounded surfaces such as pip radiators, ranges and refrigeration enclosures. Never operate compressor in damp or wet locations pipes
- inspecting maintaining, cleaning, replacing or checking any parts. Always disconnect the compressor from the power source and remove the compressed air from the air tank before servicing
- STORE COMPRESSOR PROPERLY When not in use, the Do not carry the compressor while it is connected to its power source or when the air tank is filled with compressed air. Be sure the knob of the pressure switch in the "OFF" position before
- children. Lock-out the storage area. compressor should be stored in dry place. Keep out of reach of
- 8.KEEP WORK AREA CLEAN Cluttered areas invite injurues, Clear all work areas of unnecessary tools, debris, furniture etc...
 9.KEEP CHILDREN AWAY Do not let visitors contact compressor Alla visitors should be kept safely away from work
- DRESS PROPERLY Do not wear loose clothing or jewerly. They can be caught in moving parts. Wear protective hair covering to
- contain long hair.

 11. DON'T ABUSE CORD Never yank it to disconnect from receptable. Keep cord from heat, oil and sharp edges

- 12. MAINTAIN COMPRESSOR WITH CARE Follow instructions for lubricating inspect cords periodically and if damaged, have repaired by authorized service facility. Inspect extension cords periodically and replace if damaged
- OUTDOOR USE EXTENSION CORDS When compressor in used use only extension cords intended for use outdoors and
- STAY ALERT Watch what you are doing. Use common sense Do not operate compressor when you are tired.
- 15. CHECK DAMAGED PARTS AND AIR LEAK Before further be carefully checked to determine that it will operate properly and use of the compressor, a guard or other part is damaged should influence of alcohol, drugs or medication that makes you drowsy Compressor should never be used by you if you are under the
- perform its intended function. Check for alignment of moving parts, briding of moving parts, breakage of parts, mounting, air leak, and any other conditions that may affect its operation. A guard or other part that is olamaged should be properly repaired or replaced by an authorized service center unless otherwise pressure switches replaced by authorized service center. Do not use compressor if switch does not turn it on and off. indicated elsewhere in this Instruction Manual. Have defective
- 16. NEVER USE COMPRESSOR FOR APPLICATIONS OTHER THAN THOSE SPECIFIED.
- the Instruction Manual. Never use compressed air for breathing or Never use compressor for applications other than those specified in
- allow the compressor to be operated by children, individuals unfamiliar with its operation or unauthorized personnel. compressor according to the instructions provided herein. Never HANDLE COMPRESSOR CORRECTLY Operate the
- 18. KEEP ALL SCREWS, BOLTS AND COVERS TIGHTLY IN Keep all screws, bolts, and plates tightly mounted.
- Check their conditions periodically.

 19. KEEP MOTOR AIR VENT CLEAN The motor air vent must be kept clean so that air can freely flow at all times. Check for dust
- OPERATE COMPRESSOR AT THE RATED VOLTAGE
- mey damage the unit and burn out the motor.

 21. NEVER USE A COMPRESSOR WHICH IS DEFECTIVE OR nameplates. If using the compressor at a higher voltage than the rated voltage, it will result in abnormally fast motor revolution and Operate the compressor at voltages specified on their
- repairs by a authorized service center.

 22. DO NOT WIPE PLASTIC PARTS WITH SOLVENT Solvents OPERATING ABNORMALLY if the compressor appears to be operating unusually, making strange noises, or otherwise appears defective, stop using it immediately and arrange for
- dampened with scapy water and dry thoroughly.
 23. USE ONLY GENUINE REPLACEMENT PARTS alcohol may damage and crack plastic parts. Do not wipe them with such solvents. Wipe plastic parts with a soft cloth lightly such as gasoline, thinner, benzine, carbon tetrachloride, and
- Replacement parts not original may void your warranty and can
- 24. DO NOT MODIFY THE COMPRESSOR lead to malfunction and resulting injuries. Genuine parts are
- accident or injury to repair personnel who do not have the required knowledge and technical expertise to perform the repair Do not modify the compressor. Always contact the authorized service center any repairs. Unauthorized modification may not only impair the compressor performance but may also result in
- When the compressor is not used, turn the knob of the pressure COMPRESSOR IS NOT USED THE PRESSURE SWITCH WHEN THE
- drain cock to discharge the compressed air from the air tank 26. NEVER TOUCH HOT SURFACE switch OFF, disconnect it from the power source and open the
- To reduce the risk of burns, do not touch tubes, heads, cylinder DO NOT DIRECT AIR STREAM AT BODY
- compressor to empty accumulated water Drain tank daily or after 4 hours of use. Open drain fitting and tit

Risk of injury, do not direct air stream at persons or animals.

- 29. DO NOT STOP COMPRESSOR BY PULLING OUT 抹
- Use the "AUTO/OFF" knob of pressure switch.
 30. USE ONLY RECOMMENDED AIR HANDLING ACCEPTABLE FOR PRESSURE NOT LESS THAN 125 PSI PARTS
- acceptable for pressures not less than 125 psi (8.6 bar) Risk of bursting. Use only recommended air handling parts

REPLACEMENT PARTS

When servicing use only identical replacement parts. Repairs should be conducted only by authorized service center

GROUNDING INSTRUCTIONS

ground, such as a properly grounded outlet box. **NOTE**: the grounding adaptor, sketch (C), is prohibited in Canada by Canadian Electrical Code Part.1. Therefore, the instructions for its proper grounding type receptacle. The green (or green and yellow) conductor in the cord is the grounding wire. Never connect the green (or green and yellow) wire to a live terminal. If your units is two-prong receptacles. The green-colored rigid ear, lug, or the like extending from the adapter must be connected to a permanent for use on less than 150 volts, it has a plug that tooks like that shown in sketch (A) in figure on the right. An adapter, see sketches use are not applicable in Canada. (B) and (C), is available for connecting sketch (A) type plugs to three-conductor cord and three-prong grounding type plug to fit the This compressor should be grounded while in use to protect the operator from electric shock. The compressor is equipped with a

EXTENSION CORD

loss of power and overheating. Table shows the correct size to use depending on cord length and name plate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, An undersized cord will cause a drop in line voltage resulting in use one heavy enough to carry the current your product will draw cord is in good condition. When using an extension cord, be sure to plug. Replace or repair damaged cord. Make sure your extension type plugs and three-pole receptables that accept the compressor's the heavier the cord. Use only three-extension cords that have three-prong grounding

Tab.1 SECTION VALID FOR A MAX LENGHT OF 20 mt single

| ω | 12 | (J) | _ | 0.75 | | 7 |
|-----|---------|-----|------|------|-------------|----------|
| 2.2 | 1.5 | | 0.75 | 0.65 | | XXX |
| 4 | 2.5 | 2.5 | 1.5 | | 50 Hz (mm²) | Z20/230V |
| 1 | 4- 5 | | 2.5 | 2.5 | 60 Hz (mm²) | 110/120V |
| | | | | | | |

WARNING

damaged or frayed electrical cord or extension cord. Inspect all electrical cords regularly. Never use in near water or in any Avoid electrical shock hazard. Never use this compressor with a damaned or fraved electrical cord or extension cord. Inspect all environment where electric shock is possible

SAVE THIS INSTRUCTION AND MAKE THEM AVAILABLE OTHER USERS OF THIS TOOL!

contained in this Instruction Manual is designed to assist you in the safe operation and maintenance of the compressor. Some OPERATION AND MAINTENANCE NOTE: The information attachments that differ from those on your own compressor illustrations in this Instruction Manual may show details

INSTALLATION After having removed the compressor from its packing (fig. 1) and having checked its perfect integrity, making packing (fig. 1) and having analysis of the property of the proper

COMPRESSOR WITH TANK (FIG. 20)

Fit the wheels and the rubbers on the tanks where these have not been fitted, following the instructions provided in fig. 2. Also fit the air filter (fig. 2B) in compressors in which this has not been fitted.

its ideal ventilation and effective cooling. (fig. 4). that it may not fall off by securing it appropriately. The compressor must be positioned at least 50 cm away from any walls to ensure move white running, otherwise block the wheels with two wedges. is sloping and smooth, make sure that the compressor does not from atmospheric agents and not in explosive areas. If the surface fi g.2A. Position the compressor on a flat surface or one with an if the surface consists of a shelf or the ledge of a stand, make sure inclination of 10° at the most (fig. 3), in a well-ventilated area away Fit the suction cups underneath the base of the unit as indicated in

THIS COMPRESSOR RUNS WITHOUT OIL (4A)

OPERATIONAL INSTRUCTIONS

lifting it with hooks or ropes. (fig. 5 - 6) Transport the compressor in the correct manner without tipping it or

ELECTRICAL CONNECTION The single-phase compressors are supplied complete with an electrical cable and two-pole + earth power plug. The compressor must be connected to a power socket provided with earth connection. (fig. 7)

WARNING

The earth connection must be achieved according to the industrial safety standards (EN 60204). The plug of the power supply cable must not be used as a switch but must be plugged into a power socket that is controlled by a suitable differential switch (magneto

Make sure that the mains voltage corresponds to that indicated on the electrical data nameplate (fig. 8), the admitted tolerance range must remain within ± 5%

compressor stops when it reaches 8 bar (116 ps) (max.running pressure) and is automatically re-started when the pressure inside the tank falls to 6 bar (87 psi). After having connected the compressor to the electrical power supply line, load to the maximum pressure and check the correct efficiency of the problem. COMPRESSOR WITH TANK (Fig. 20): Turn or press, depending on the type of pressure switch fitted on the equipment, the knob situated in the upper part to 40x (fig. 9). Put the plug in the power pressure and starts it again when the pressure falls back down to the minimum level. The difference in pressure is usually 2 bar (29 psi) roughly between the maximum and minimum value. i.e.; the autometic manner and is controlled by the pressure switch that stops it when the pressure inside the tank reaches the maximum pressure switch (fig.25). The compressor runs in a completely the spiral type hose to the appropriate fitting situated near socket (fi.g.: 7) and turn the knob to «I». Attach the rubber hose or æ

working pressure even if the user is not using compressed air. The compressor automatically releases the excess air from a valve situated on the head. The compressor does not stop automatically. power socket (fig. 7). Press the starting push button situated at the side of the compressor (fig. 9A). This type of compressor is provided with a device that automatically controls the maximum situated at the top of the compressor, near Use the ON/OFF push button to stop the compressor. Attach COMPRESSOR WITHOUT TANK (Fig. 21): Put the plug hose or the spiral type hose to the appropriate

panelling may reach high temperatures therefore be careful when working near these components and do not touch them to avoid getting burned (fig. 10). NOTE: The head/cylinder/delivery hose unit situated beneath the

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WARNING

The electric compressors must be connected to a power socket that is safeguarded by a suitable differential switch (magneto

regulators supplied without a gauge, the calibration pressure may be seen on the graduated scale situated on the casing of the actual pulling it cutwards, adjust the pressure to the desired value by turning the knob clockwise to increase it and anti-clockwise to decrease it. Once the ideal pressure has been reached, block the knob by pushing it downwards (fig. 11). In the case of pressure ADJUSTING THE WORKING PRESSURE (fi g. 11) It is not always necessary to use the maximum working pressure, on the contrary the pneumatic tool usually requires less pressure. Adjust therefore simply turn the knob to adjust the pressure. the calibration pressure may be seen on the actual gauge. WARNING: Some pressure regulators do not have "push to lock", regulator. In the case of pressure regulators supplied with a gauge pressure regulators. Release the knob of the pressure regulator by the working pressure accurately in compressors provided with

SARAMON

- Before servicing the compressor make sure that: the main line ON/OFF switch is on «0».
- the pressure switch or the line switch is on «0»
- a week by opening the discharge tap (fig. 12) underneath the tank The compressor generates condensate that accumulates in the tank. The condensate must be drained from the tank at least once Recommended pressure 1 + 2 bar max. ly for model with tank). Be careful if there is any compressed within the cylinder as the water could burst out with some force. there is no pressure in the air tank (only for model with tank)

RECOMMENDED MAINTENANCE

In units F with 2 poles, replace the whole connecting rod unit every 700 hours of operation.

In units F and FB with 4 poles, replace the whole connecting rod unit every 1500 hours of operation. In units GMS and VS, replace the sliding blocks and the compression ring every 1500 hours of

LUBRICATING THE BEARINGS

of operation (white grease). The grease must completely fill the spaces between the rollers; excess lubricant will be expelled during exception of the roller casing fitted on the connecting rod side of the GMS and VS units which is to be washed with solvent and re-lubricated with "Kluber Barrierta L 55/2" grease every 1500 hours the initial hours of operation All the bearings are lubricated with grease for life with the

CLEANING THE FILTER (F-FB-ECU-GMS-VS Series-AIRCLIK-F

air, or replace it if the element pointed out by the arrow is clogged. and to clean the filtering element by blowing it with compressed It is advisable to dismartle the suction filter every 50 hours of use

HOW TO PROCEED WHEN TRIVIAL ANOMALIES

the pressure switch (only model with tank) ARE ENCOUNTERED Loss of air from the valve underneath

This inconvenience is due to the imperfect seal of the non-return valve; proceed as follows: (fig. 13); Release all the pressure from the tank. Remove the patelling by unscrewing the four securing screws and lift it. (fig. 13-14); (f. 1-and ARCLIK). Unscrew the hexagonal head of the valve (A)(fig.15). Carefully clean the small rubber disk. (B) and also its seat. (fig.15). Re-fit everything accuratel)

Loss of air (F-GMS-VS Series)

This may be due to the poor seal of one of the fittings. Check all the fittings by wetting them with soapy water.

The compressor runs but fails to load

- F-GMS-VS series compressors: (fig.16)

 This may be due to a breakage of the valve, or a gasket (B1-B2). Replace the damaged component.

 This may be due to a breakage of the valves (C1-C2), or a
- may be due to a breakage of the valves (C1-C2), or a

- gasket (B1-B2). Replace the damaged component (fig.16B). AirClik-F series (fig. 16A):
- This may be due to the breakage of the valves (C1 C2) or of the gasket (B1). Replace the damaged part (fig. 16A).

The compressor fails to start

mains voltage corresponds to that indicated on the data nameplate If the compressor has difficulty in starting, make sure that: -the

the room in which the compressor is running is not too cold length are not used electrical extension cables with unsuitable cross-section

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- the electric line is efficient (plug connected correctly, magneto (below 0°C)
- The compressor fails to stop (only with tank) thermal switch, fuses not blown)

if the compressor fails to stop when the maximum pressure is reached, the tank safety valve will trip. Contact the nearest authorised service centre for the repairs

- Do not drill, weld or intentionally deform the compressed air pressure for any reason whatsoever. Always make sure that the tank is depressurised beforehand. Do not unscrew any connections with the tank when under
- tank.

 Do not carry out any operations on the compressor before it
- has been unplugged from the power socket
- Do not direct jets of water or flammable liquids over the (MAX 45°C) The room temperature for its correct efficiency is: 0°C +25°C
- compressor.
- When stopped temporarily during its use, turn the pressure Do not place flammable objects near the compressor
- switch or the ON/OFF switch to position «0» (OFF) (turned
- Do not transport the compressor when the tank is pressurised. Be aware that some components of the compressor such as the head and delivery hoses may reach high temperatures, Never direct the jet of air towards people or animals (fig. 24)
- therefore do not touch the to avoid getting burned (fig. 10).

 Transport the compressor by lifting or pulling it with the appropriate grips or handles (fig. 5 6).
- Children and animals must be kept away from the area in which the machine is running. If the compressor is used for mask (fig. change of air c) Protect nose and mouth using an appropriate Make sure that the area in which you are working has a good painting: a) Do not work in closed areas or near free flames b)
- Do not use the compressor if the electric cable or the plug is
- replacement with an original component. If it is placed on a shelf or a surface that is raised off the Contact the nearest authorised service centre for the
- tipping off when running.

 Do not insert objects or your hands inside the safety grating to ground, it must be secured appropriately to prevent it from
- (fig. 19). Do not use the compressor to threaten people or animals to avoid physical damage and also damage to the compressor
- Always unplug the compressor from the power socket when you have finished using it.

avoid serious injunes.

ELECTRIC COMPRESSOR MODEL (GMS-VS-AIRCLIK-F 1-F) Maximum running pressure: 8.5 bar

Maximum working pressure: 8 bar ELECTRIC COMPRESSOR MODEL (FB 210)

Maximum running pressure: 10,5 bar Maximum working pressure: 10 bar

The compressor tanks have been manufactured in compilance with the 2009/105/EC Directive for the European market. The compressors have been manufactured in compilance with the 2006/42/EC Directive for the European market.

distance of 1 m: $\pm 3 dB(A)$ at the maximum working pressure. (table 3) The measured sound pressure level measured in a free range at a

| | | | | SERIE VS | | | | | SERIE GSM | | | SERIE FB | | | | | | 4 |
|-------|-------|-------|-------|----------|---------|-----------|-----------|-------|-----------|------|-------|----------|-------|---------|---------|-----------|-------|---|
| 3/2.2 | 2/1.5 | 2/1.5 | HPKW | | 1 5/1 1 | 1.5/1.1 | 0.75/0.55 | HP/kW | | 21.5 | HP/kW | | 2/1.5 | 1.5/1.1 | 1.5/1.1 | 1/0.75 | HP/kW | |
| 2850 | 1750 | 1450 | RPM | | 2850 | 1450/1750 | 1450/1750 | RPM | | 1450 | RPM | | 2850 | 3450 | 2850 | 1450-1750 | XPS | |
| 82 | 80 | 77 | Db(A) | | 78 | 77 | 77 | Db(A) | | 67 | Db(A) | | 78 | 80 | 77 | 55 | Db(A) | |

The value of the sound level may increase from 1 to 10 dB(A) depending on the room in which the compressor is installed.

HINTS FOR EFFICIENT OPERATION AIRCLIK / F 1

THE F1 & AIRCLICK COMPRESSORS HAVE BEEN DESIGNED FOR INTERMITTENT USE, THESE MODELS SHOULD ONLY BE USED FOR APPLICATIONS WHERE USAGE WILL NOT EXCEED 25% OF DUTY OVER THE COURSE OF ONE HOUR.

PREUMATIC CONNECTIONS

Make sure you always use pneumatic tubes for compressed air with maximum pressure characteristics that are adequate for the compressor. Do not attempt to repair tubes if faulty.

WE RESERVE THE RIGHT TO MAKE ANY MODIFICATIONS WITHOUT PRIOR NOTICE WHENEVER NECESSARY