

Bedienungsanleitung

Instruction Leaflet

Sommerbiathlon Pressluftgewehr Summer Biathlon Compressed Air Rifle

Mod. 2027



Bitte sorgfältig lesen, bevor Sie
dieses Gewehr zusammenbauen
oder benutzen.

Please read carefully before you
assemble or operate this rifle.

ANSCHÜTZ
®

DIE MEISTER MACHER

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DIE MEISTER MACHER

Preface

Dear Friends of ANSCHÜTZ,

You have made a good choice, now that you have decided to buy an ANSCHÜTZ product. The many great results obtained with ANSCHÜTZ rifles by target shooters, participants in the Olympic Games as well as in World and European championships made your choice easy, as your rifle has benefited from our great experience of making fine sporting and target rifles since 1856. World-wide, ANSCHÜTZ rifles are respected because of their fine accuracy, impeccable design and immaculate workmanship. Should you still be unaware, they include:

Air rifles, repeater summer biathlon air rifles, small bore biathlon rifles, Flobert rifles, small bore single loaders and repeaters, hunting rifles and shotguns in diverse calibers, the famous ANSCHÜTZ small bore target rifles and air rifles and silhouette pistols and silhouette rifles.

Safety instructions

Attention:

Please read carefully the following articles before using this rifle. It is extremely important that you become thoroughly familiar with this rifle and its operating characteristics by carefully reading and understanding the instructions in this booklet before you attempt any use of it with ammunition. Always remember the sequence of disassembly. Should you still

have problems with the safe usage and correct handling of your rifle or should you have additional questions, please do not hesitate to contact a competent gunsmith or dealer or address our factory directly. This instruction leaflet is extraordinarily important. Make sure that it is always with the rifle especially when it is sold, lent or otherwise given to a third person. Our products are exclusively meant for target shooting. Their use is subject to the „General Technical Rules“ for all target shooting disciplines of the INTERNATIONAL SHOOTING SPORT FEDERATION (ISSF), Bavariaring 21, 80336 München, Germany or to the rules of the INTERNATIONAL BIATHLON UNION, Airport-center, Postbox 1, A-5073 Wals-Himmelfreich, Austria. Additional copies of this booklet can be ordered.

Warning:

This rifle can be dangerous if it is not used correctly or if this instruction leaflet is not observed. The privilege of ownership and safe use of your rifle carries a personal responsibility that no one should take lightly. Rifle accidents would not occur if the following rules of shooting safety were observed.

General handling of rifles

1. Treat every rifle as though it was loaded. Do not take anyone's word or automatically assume it is not loaded. Check your rifle personally each time you handle it. The safe and courteous way to carry a rifle when you are with others is to leave the bolt open so that they can easily see that the rifle cannot be fired. Make sure that the rifle is not loaded when you stop shooting. Make sure your rifle is unloaded before every transport. Never pick up your rifle with your finger on the trigger or the trigger guard.

2. Whenever you pick up your rifle, point the muzzle at the ground. Always point the muzzle of the barrel in a safe direction. Never pull a rifle towards you by the muzzle.

3. Only use your rifle in approved shooting ranges. Shoot your rifle only under good visibility and daylight conditions. If you use your rifle in an indoors range, make sure it is adequately ventilated. Make sure that there is a safe bullet trap which can be seen from all sides and that there is no one in the vicinity of your target. Be absolutely sure of a safe backstop and target. Never fire at a hard, smooth surface or water. Never shoot at a skyline target or into the air. Do not shoot at anything from which a bullet may ricochet. Never fire your rifle with the muzzle in the water or against any other material to avoid an accident or damage of your rifle.

4. Be sure that you use the correct ammunition. The correct calibre can be seen on your rifle. Load your rifle only when you are at the range and ready to shoot.

5. Always keep your rifle clean. Be sure the bore is not obstructed by dirt, water, grease or any other foreign materials.

6. Place the safety fully into „S“ or „F“ position - never inbetween. Always keep safety in full „safe“ position until ready to fire. Do not put your finger on the trigger when operating the safety or whenever you are not ready to shoot.

7. When not in use your rifle should be stored in a locked and secure place accessible only to you. Check first to make sure it is unloaded. Store the rifle with uncocked trigger. Store ammunition in a separate and secure place. It is your special responsibility to make sure that at all times and especially when you are not present your rifle is well secured, out of any reach of children and other unauthorised persons and in no way accessible to them. For the safe storage of your rifle even in a locked cabinet or safe the use of an additional trigger lock is recommended.

Only give your rifle to authorised persons. Never let your rifle be used by anyone who is not familiar with the safe handling of a rifle and these instructions. This rifle must only be used by a responsible adult or under his or her supervision.

8. Watch for any change in the operation of your rifle which might impair its safety. If you suspect or note a defect or malfunction, stop using it immediately, unload the rifle, make sure that it is not under pressure and send it to a competent gunsmith, the factory or its recommended repair station for inspection. Note: Apart from normal cleaning the rifle must only be disassembled

by an authorized gunsmith. Unqualified handling or disassembly can cause injuries or irreparable damage of the rifle.

9. Your rifle should always be handled with extreme care. Make sure that it is never dropped or placed in such a way that it can fall. For transport purposes your rifle should be dry and clean. We recommend an approved protective gun case.

10. You must be in good physical condition and mental health and not under the influence of any substance (drugs, alcohol) which might impair vision, dexterity or judgement. Do not use your rifle when you are tired. Tiredness may result in a loss of control.

11. Clean your hands carefully after shooting and cleaning your ANSCHÜTZ product. Residues of bullets, powder or oil might impair the health of your skin.

12. Your ANSCHÜTZ rifle has been carefully built and inspected by skilled technicians to provide maximum efficiency. The service life depends on the owner's care and on cleaning following the owner's manual closely.

Ear and eye protection

You and other persons should always use approved hearing protection and approved shatterproof eye protection while shooting.

Laws

When using a rifle observe the corresponding regulations and laws for the use of firearms in your country.

Product relating safety instructions

Important note for the handling of compressed air cylinders:

1. Only check the manometer level of the compressed air cylinder when the rifle is unloaded and uncocked. Never check it while filling the compressed air cylinder. Due to its design the manometer works with an accuracy of +/- 10 %. Temperature variations can also impair the accuracy of the manometer.

2. Filled compressed air cylinders must not be exposed to temperatures of more than 50° Celsius/120° Fahrenheit. Therefore make sure during transport or storage that the rifle is protected against heat, for example by storing it in the Styrofoam packing or by using a gun case. In planes compressed air cylinders are only transported when they are not filled.

3. To empty the compressed air cylinder we recommend to use our air release screw (Order-No. 711.3408). After approximately 20 refills of the compressed air cylinder it should be emptied completely to get rid off possible condensed water.

4. Compressed air cylinders which are leaky, defective or older than 10 years must be emptied and must not be used and filled

anymore. After 10 years from the date of manufacture the compressed air cylinder must be checked by the manufacturer for a fee. The date of manufacture can be seen from the compressed air cylinder.

5. Compressed air cylinders and refill bottles must be stored in a dry, dust and grease/oil free place.

6. Protect valves and threads with the corresponding caps when you have removed the compressed air cylinder. **Never grease or oil the valves or threads of the compressed air cylinder. Danger of explosion!**

7. Compressed air cylinders must not be filled with more than 200 bar (2,790 psi) at room temperature. Only use compressed air free of oil or water (DIN EN 12021 - inhaled air). According to legal regulations we only deliver unfilled compressed air cylinders.

8. Never try to open a compressed air cylinder yourself or to carry out mechanic modifications. Protect your compressed air cylinder against external force.

9. Apart from the notes above the technical rules of your country with regard to the filling of compressed air cylinders must be observed.

Liability

1. ANSCHÜTZ does not assume any responsibility or payment of damage claims for damages of any kind resulting from the disregard of these instructions, non-qualified treatment or repair, the use of non-original ANSCHÜTZ spare parts, incorrect handling, negligence, removal of the knot varnish or unauthorized modifications.

2. The stock of this rifle has been very carefully checked by factory inspectors prior to shipment and has been determined to be free of defects. Certain kinds of abuse, such as dropping of the rifle can cause damage to the stock for which the owner is solely responsible. We also assume no responsibility for defects resulting from inappropriate transportation (mail, plane, etc.). Please immediately contact your transporter in such a case.

3. Changes or alterations to this rifle or any of its parts are prohibited. Such changes or alterations can significantly impair the safe use of our product and can lead to accidents involving severe or even fatal bodily injuries. Any product warranty will automatically lapse in case changes or alterations are implemented. Users are requested to carefully inspect the product with regard to possible changes and alterations before use. In case of doubt you should contact us for further information.

Summer Biathlon Match Rifle 2027 Compressed Air

Technical Data:

Caliber:	4.5 mm
Barrel length:	61 cm/24.01"
Rifling:	42 cm/16.5"
Total length:	106 cm/41.7"
Length of barreled action:	74 cm/29.1"
Weight:	4.5 kg/9.9 lbs
Version:	Repeater

Assembly, fitting the ANSCHÜTZ barreled action

The stock and the barreled action are packed separately for shipment and need to be assembled. However, do not do this until you have followed all the procedures listed below.

- Wipe away excess surface oil.
- Insert the barreled action into the stock.
- Screw in bedding screws (two) with enclosed Allen wrench Model No. 4406 (Order No. 710.6301) and tighten them alternately and uniformly. For correct adjustments we recommend our torque wrench model No. 4405 (Order No. 700.6180), which is to be adjusted to 5 Nm (= 50 cmkp) for wood stocks and to 6 Nm (60 cmkp) for aluminum stocks.
- Pull a cleaning patch through the barrel from the chamber towards the muzzle.

After the first assembly there might be a warping of the wood. We would therefore recommend to loosen and tighten the bedding screws again after some time.

Check the tight fit of the screws before every shooting.

Cocking, loading and safety operation

- Pull back the action to the stop with the cocking handle. Subsequently pull it upwards and lock it in the groove. The action is now in the magazine loading position.
- Insert the magazine from the right side to the stop. The magazine cap now shows in the direction of the shooter, the push knob to the top.
- Remove the action from the catch position with the cock handle by turning it downwards. Then put your thumb on the thumb rest. Push the action forward into the catch position with your thumb. The biathlon rifle is now ready for shooting.
- To repeat pull the action back with the cock handle until you hear that it catches, then close with thumb rest as described above.

Note:

Only close the action with your thumb via the thumb rest. Do not use the cock handle as the action might get jammed.

Attention:

The safety lever must latch properly so that the "F" is covered in the "safe" position and the "S" is covered in the "fire" position. The lever must never be situated between the two. Do not store the rifle when it is cocked. Remove the compressed air cylinder before storing your rifle (also see chapter "Compressed Air Cylinder/Handling"!).

Only use diabolo pellets in the caliber of your air rifle, no bolts or other foreign materials.

Unloading

It is only possible to remove a pellet from the action by firing it off which should only be done by firing it into a bullet trap. Observe the safety regulations with regard to the safe handling of rifles.

Magazine

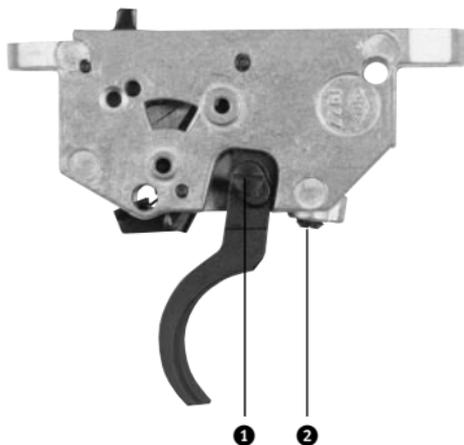
- Remove the magazine cap and pull the sliding knob to the right stop.
- Keep the lever in this position and insert a pellet with the cup up into the groove.
- Release the sliding knob, put the cap on and catch into the referring position. The magazine is now loaded.

5-shot magazine:

Identification: The sliding knob is not notched.

1-shot magazine:

Identification: The sliding knob is notched.



Trigger

Warning:

Your ANSCHÜTZ target rifle offers you a versatility of individual adjusting properties. Please make sure that your rifle always is unloaded when carrying out adjustments.

Trigger adjustments

1. Trigger weight

Adjust the trigger weight with set screw No. 2:

- if you turn it to the right:
trigger weight is increased (+)
- if you turn it to the left:
trigger weight is decreased (-)

Trigger weight and first stage weight depend on each other with regard to the mechanic mechanism. If one of them is changed there will always be a corresponding change of the other as well.

2. Sear engagement:

The sear engagement is the distance between the second stage and the release of the trigger.

Important note:

To protect your precise trigger and to guarantee perfect operation you should always close the action carefully. If the sear engagement of single stage triggers is too small and the trigger weight is too low or if the first stage of two-stage triggers is too short, the trigger might release inadvertently by a sudden impact or too powerful closing of the action if the gun is loaded and not in the "safe" position.

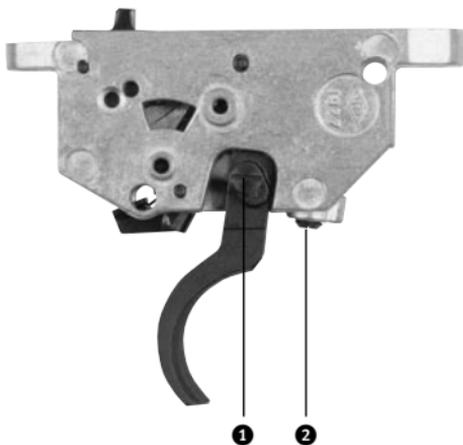
Adjustment of the sear engagement for assembled **two-stage triggers** with set screw No. 1:

- if you turn it to the left:
sear engagement is shortened
- if you turn it to the right:
sear engagement is extended

Adjustment of an optimum sear engagement:
Make sure your rifle is not loaded. Cock your rifle and release the trigger. Check if the trigger releases as desired.

The sear engagement is too long:
There is a small distance between the second stage and the release of the trigger.

- Turn set screw No. 1 counter-clockwise aftercocking and releasing (approximately $1/8$ turn each).
- Repeat this process until you do not feel the second stage anymore. Then turn



$1/4$ turn back to the right. Thus the optimum sear engagement is adjusted.

The sear engagement is too short:
There is no second stage. The trigger releases un-defined without second stage.

- Turn set screw No. 1 clockwise for at least $1/4$ turn after cocking. Then release the trigger and check if there is a second stage. If not, repeat this procedure until you feel a second stage.
- As soon as you feel a second stage proceed according to the points of the paragraph „The sear engagement is too long“ to obtain an optimum sear engagement.

Adjustment of the optimum sear engagement for assembled **single stage triggers** with set screw No. 1:

- Cock the rifle.
- Turn set screw No. 1 (first stage) as long to the right until the trigger releases.
- Turn set screw No. 1 from this position approx. $1/4$ turn to the left.

Warning:

Single stage triggers are very sensitive and must be operated with special care.

The sear engagement of $\frac{5}{100}$ mm is obtained after the action is closed. In combination with a minimum trigger weight there might be a malfunction and an **increased risk (independent shot release)**.

3. Malfunctions of the trigger due to wrong adjustment procedure:

If the trigger is not adjusted correctly malfunctions may occur, tampering with the trigger adjustments will not result in any success. Therefore proceed as follows:

After every change the function of the trigger must be checked. When the malfunction is removed check the desired trigger values and adjust them again if necessary.

The trigger catches the cocking piston or firing pin, but the trigger does not release:

- Make sure that the safety of the trigger is released.

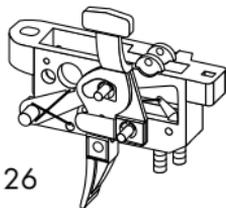
The trigger does not catch the cocking piston or firing pin:

- The first stage trigger is adjusted too tightly.
- Turn set screw No. 1 approx. 1-2 turns to the left. Proceed according to par. 2.

4. Maintenance:

Please see chapter „Cleaning, maintenance, care, oils“.

Order No.	Model	Two-stage trigger	Single-stage trigger	Adjusted to	Right hand version	Left hand version	For models	For small bore models production years	For small bore models serial-no. starting from
700.6540	1407-U9	●		150 g	●		1407, 1407 Z, 1409, 1411 1413, 1408 EDS	1959 - 1974	
700.6541	1408-U1	●		500 g	●				
700.6542	1408 D-U1		●	500 g	●				
700.6543	1411-U2	●		1500 g	●				
700.6550	5071/1	●		100 g	●		1607, 1613, 1608 EDS	1974-1979	143655 to 182155
700.6560	5071/1 D		●	100 g	●				
700.6570	5075/1	●		550 g	●				
700.6580	5075/1 D		●	550 g	●				
700.6600	5018	●		100 g	●		1807, 1907, 1807 Z, 1907 Z 1907 Silh., 1807 Rep. 1907 Rep., 1907 Rep., 1912 1813, 1913, 1808 EDS 1808 D-RT, 1827, 1827F, 2007 2007/660, 2012, 2013 2013/690, 2013 Benchrest 54.18 MSR, 1808 MSR 2002 Compressed Air, 2020, 2025	starting from 1979	starting from 182156
700.6610	5018 L	●		100 g	●	●			
700.6620	5018 D		●	150 g	●				
700.6630	5018 L D		●	150 g		●			
700.6640	5020	●		550 g	●				
700.6650	5020 L	●		550 g		●			
700.6660	5020 D		●	550 g	●				
700.6670	5020 L D		●	550 g		●			
700.6740	5022	●		1500 g	●				
700.6800	5098	●		280 g	●		1903, 1416 MSP, 1403 Rep. 64 MSR		
700.6810	5098 L	●		280 g		●			
700.6860	5100 D		●	500 g	●				
700.6870	5100 L D		●	500 g		●			
700.6873	5103	●		1500 g	●				
700.6700	5019	●		100 g	●		2001 Superair		
700.6710	5021 D		●	550 g	●		2001 D-RT Superair		
700.6720	5021	●		100 g	●		2002 Superair		
800.0000	5024	●		1500 g	●				
700.6730	5023 D		●	550 g	●		2002 D-RT Superair		
700.6660	5020 D		●	550 g	●		2002 D-RT Compr. Air, 1827, 1827F		
700.6881	5197		●	550 g	●		2027 Summer biathlon		



When you order trigger parts please indicate the order number, type of rifle model together with the trigger model number. For left hand versions please add "L"

L	= Left hand version
D	= Single-stage trigger
D-RT	= Running target
EDS	= Running target
Rep.	= Repeater
Silh.	= Silhouette
F	= Fortner
Z	= "Zimmerstutzen"
MSP	= Silhouette pistol
MSR	= Silhouette rifle

Compressed Air Cylinder

Handling

The rifle is equipped with an interchangeable compressed air cylinder. The compressed air cylinder can be changed whether it is filled or not. The compressed air cylinders are not screwed in all the way when they come from the factory. To protect the thread of the compressed air cylinder against dust and damage please always use the cap.

Warning:

Only original Anschütz compressed air cylinders (max. 200 bar) must be used!

To attach the compressed air cylinder:

The compressed air cylinder must be screwed in slowly and carefully to avoid any damage.

- Fill the compressed air cylinder before use and screw it in manually.
- You feel a resistance before you reach the stop, the valve thus opens automatically.
- Screw the compressed air cylinder in for approx. one more turn until there is an airtight connection at the stop.

To remove the compressed air cylinder:

To protect the housing, valves and seals we recommend you always remove the compressed air cylinder when you do not use your compressed air rifle.

- Screw the compressed air cylinder 2 turns out.

- Cock the rifle and release the trigger so that the remaining air can escape.
- Repeat this process once or twice.
- Screw out the compressed air cylinder completely by 3-4 further turns.
- Thus the compressed air cylinder can be screwed out without any pressure on the o-ring.

To change the compressed air cylinder:

Screw out the compressed air cylinder by turning it counter-clockwise either manually or with a key. Attention: Screw out the compressed air cylinder until you hear the air escape (at least four turns). Then screw in the compressed air cylinder again. Thus a damage to the seals will be avoided.

To fill the compressed air cylinder:

Before you fill the compressed air cylinder, please check all components which are used in this process such as refill bottle, refill adapter and compressed air cylinder for defects (e.g. at the threads).

Warning:

- Only use refill bottles with a maximum pressure of 200 bar (2,790 psi)
- Only use compressed air free of oil and water (DIN EN 12021).
- Make sure that there is no oil or grease on the connecting threads.
- Only use the adapter (Order No. 711.3409), which is delivered with your rifle.
- To refill the compressed air cylinder we recommend the use of diving bottles.

Filling process:

- Screw the adapter on the refill bottle.
- Screw the compressed air cylinder onto the adapter
- Tighten the hexagon screw of the adapter by hand to prevent air escape.
- Open the valve of the bottle very slowly.
- Close the valve of the compressed air bottle after approx. 5 seconds (The compressed air cylinder will heat up slightly).
- Empty the adapter by releasing the screw.
- Screw the screw into the adapter again.
- Remove the compressed air cylinder and screw it on the rifle by hand.

With a full cylinder (max. 200 bar/2790 psi) approx. 175 shots (remaining pressure 65 bar / 943 psi) can be fired. We recommend to never empty the compressed air cylinder completely. Compressed air bottles (Order No. 711.3510) are available in specialised gun shops. The refilling of compressed air cylinders is also possible in specialised gun shops or in shops for diving equipment.

Warning:

Compressed air bottles with an allowed filling pressure of 300 bar (4,185 psi) are offered as well. These bottles have the same thread as the bottles with a filling pressure of 200 bar (2,790 psi). In case you use a bottle with a filling pressure of 300 bar (4,185 psi) it is absolutely necessary to use a pressure reducer which is adapted to 200 bar /2,790 psi). For reasons of safety it is not allowed to fill the compressed air cylinder with more than the maximum pressure of 200 bar (2,790 psi). It is also not allowed to use such a compressed air

cylinder or to store it. Please therefore strictly observe the instructions for the filling of the compressed air cylinder and the corresponding technical rules of your country.

Cleaning, Maintenance, Care, Lubrication

Even after considerable use, your ANSCHÜTZ rifle will not require much attention - a tribute to its solid design, first class materials, well proven ANSCHÜTZ workmanship and precision. If you follow the recommendations below, you will help maintain the excellent performance of your rifle for a long time.

Regular care after every shooting:

- Please only use resin and acid free oils. We recommend our special grease 4425 (Order No. 710.6310)
- Clean the cone of the barrel with a slightly oiled, lint-free cloth to avoid corrosion which might occur as a result of humid hands or condensed water.
- To avoid corrosion you also should clean your barrel with a slightly oiled, lint-free cloth or cleaning cords pulling them through the barrel from the chamber to the muzzle. Please use no other means for cleaning especially no VFG felt pellets.
- Remove the oil film with a dry cloth or cleaning cords before you shoot again.

Careful cleaning after approx. 2,000 to 3,000 shots:

- Then pull cleaning cords in dry condition

through the barrel until the last one shows no considerable dirt.

- After cleaning or before shooting the next time fire 10 to 20 shots to get back to the former shooting performance (oil shots).
- Clean external parts with a slightly oiled cloth.

Maintenance of the trigger:

- Lubricate the bearings slightly with cold resistant molybdenum disulphide grease once a year.
- Spot a small amount of oil into the bearing parts using a needle.
- The internal parts should not be washed with spray or oil to avoid resin or other residues in the trigger.

Attention:

When cleaning the rifle no dirt, residues of solvents, grease or non-suitable oils must get into the trigger mechanism. We therefore recommend either to clean your gun in a way that it is horizontal or even with the stock up to avoid any contamination of the valve unit and trigger mechanism.

Protect your rifle against dust, sand, humidity, heat and other harmful influences. Vacuum clean your gun case or soft gun case once a month to remove dust and lint. Gun cases and soft gun cases should have a smooth and dust rejecting inner lining.

Be aware that condensed water might occur as a result of temperature variations. In such a case it has to be removed at once. Leave your gun case or soft gun case open when you store them at home so that possible humidity can escape.

Be aware of other possible changes or damage. In such a case take your rifle to an authorized gunsmith for checking or send it to our factory.

To reduce the risk of damage in transit we recommend the disassembly of the barreled action from the stock.

When you use your rifle frequently we recommend having the seals and the piston checked once a year.

Accessories

Please ask for our catalogue.

Special accessories

Additional weights

The air rifle can be adapted to your individual requirements among others in four easy ways:

1. Barrel weights:
by pushing, adding or removing the additional weight (50 g) 400-56 C (Order No. 700.6350)

2. Weight rings:
by adding them to the columns of the cheek piece and butt plate adjustment (Order No. 711.3805).

3. Heavy steel columns:
approx. 100 g. For cheek piece adjustment (Order No. 700.6337). For butt plate adjustment (Order No. 700.6338).

Warranty

A warranty of 2 years will be issued. Parts which are subjected to wear are not part of this warranty. In the case of warranty we substitute the defective parts free of charge. Cases of warranty will only be accepted if the article in question and the corresponding purchase receipt plus filled-in warranty card are presented. Warranty will not be accepted if changes or repair works have been carried out by persons who are not authorised, if the rifle is not used correctly or if non-ANSCHÜTZ original parts were used.

We wish you much pleasure and success with your ANSCHÜTZ product and would be pleased if you could let us have your ideas on our products and the design of this instruction leaflet.

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Appendix

Requirements for Compressed Air

Oxygen

The content of oxygen must be within the range of (21 +/- 1) Vol. % (dry air).

Impurities

1. General information

Compressed air for respiratory equipment must not contain impurities in a concentration which might have toxic or harmful effects. In any case there must be as little impurities as possible and they must be far below the national limit of exposition. Combined effects of more than one impurity must be considered. If there are no national restricting requirements the values of 2 to 3 must be applied.

Note: The limit concentration for every impurity should be deducted from the national limit of exposition. The influences of pressure and exposition time should be considered as much as possible.

2. Lubricants

The content of lubricants (drops or mist) must not exceed 0.5 mg/m³. In case of synthetic lubricants 1) is to be applied.

3. Smell and taste

The air must be without significant smell or taste.

4. Content of carbon dioxide

The content of carbon dioxide must not exceed 500 ml/m³ (500 ppm).

5. Content of carbon monoxide

The content of carbon monoxide must not exceed 15 ml/m³ (15 ppm).

Content of water

1. There must be no liquid water.

2. The air for compressed air respirators must have a dew point which is low enough to avoid condensing and freezing. If the equipment is used and stored under a known temperature the dew point under pressure must be at least 5°C below the assumably lowest temperature. If the conditions for use and storage of the compressed air reservoir are not known, the dew point under pressure must not exceed -11°C

Chart 1

Nominal pressure bar	Max. contents of water in the air at atmospheric pressure mg/m ³
40 - 200	50
> 200	35

3. The maximum content of water in the air at atmospheric pressure must be in line with the values of the chart.

Note: The contents of water of the air which is delivered from the compressor to fill 200 bar or 300 bar compressed air containers should not exceed 25 mg/m³.

Checks

Any suitable method is allowed as far as it corresponds to the following general requirements:

- to measure and judge the results the accuracy of the method must be considered and
- the proof limit of the applied method must be below the required limit.

Typical composition of natural air (ISO 2533)

Chart 2

Components	Mass-% (dry air)	Volume-% (dry air)
Oxygen (O ₂)	23, 14	20, 9476
Nitrogen (N ₂)	75, 5	78, 084
Argon (Ar)	1, 288	0, 934
Carbon dioxide (CO ₂)	0, 048	0, 0314
Hydrogen (H ₂)	0, 000003	0, 00005
Neon (NE)	0, 00127	0, 001818
Helium (HE)	0, 000073	0, 000524
Krypton (Kr)	0, 00033	0, 000114
Xenon (Xe)	0, 000039	0, 0000087

Labelling of the Compressed Air Cylinder:

Text / Marking:

ANSCHÜTZ-HENRICH-UN 1002/200
200 bar Luft/ Air 2900 PSI
Netto 0,050 Kg - TARA 0,418 Kg - 0,197 L
PD 300 bar - D - 09/00 F 04.00 Al
001343
READ INSTRUCTIONS BEFORE USE

Description:

- ANSCHÜTZ-HENRICH:
Name of manufacturer.
- UN 1002:
International sign for compressed air.
- 200 bar Luft/Air 2900 PSI:
Max. allowed filling pressure at 15 °C.
- Netto 0,050 Kg:
Net filling weight.
- TARA 0,418 Kg:
Empty compressed air cylinder.
- 0,197 L:
Capacity of the compressed air cylinder.
- PD 300 bar - D 09/00:
Test pressure - country of manufacture -
date of test.
- F 04.00 Al:
Intern manufacturing number.
- 001343:
Manufacturer's identification code.
- Read INSTRUCTIONS BEFORE USE:
General note.

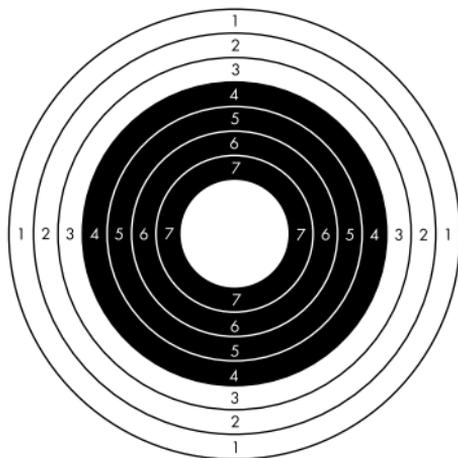


Fabr.-Nr.:

Serial No.:

Bitte hier eintragen · Please fill in here

Originalschussbild Ihres Gewehres 5 Schuss auf 10 m
Original group of your rifle 5 shots at 10 m



DIE MEISTER MACHER

J.G. ANSCHÜTZ GmbH & Co. KG
Jagd- und Sportwaffenfabrik

Daimlerstrasse 12

D-89079 Ulm / GERMANY

Postfach 11 28

D-89001 Ulm / GERMANY

Telefon (++49)-(0)-731-4012-0

Telefax (++49)-(0)-731-4012-700

anschuetz-sport.com

JGA-Info@anschuetz-sport.com