

Manual – ARZ 10, ARZ 204, ARZ 20 – ARZ 60

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1. Scope of Delivery

1.1 Standard Scope of delivery

	ARZ 10	ARZ 204	ARZ 20	ARZ 30	ARZ 40	ARZ 50	ARZ 60
Tent	1	1	1	1	1	1	1
Tent Bag	1	1	1	1	1	1	1
Bag for Accessories	1	1	1	1	1	1	1
Guy ropes	4	10	8	10	12	14	16
T-Pegs 50 cm	4	10	8	10	12	14	16
T-Pegs 30 cm	10	12	10	12	14	16	18
Tent Hammer 1,5 kg	1	1	1	1	1	1	1
Double Stroke Hand-Pump	1	1	1	1	1	1	1
Repair Set	1	1	1	1	1	1	1

1.2 Optional Equipment

- Electrical blower
- Air-pressure-kit including:
 - pressure reducer (300 bar / 10 bar)
 - connecting tubes
- Air-pressure-bottles (cylinder 6l / 300 bar)
- additional groundsheet
- tent lightening
- tent heating

2. Technical Data

!Changes in the construction, e.g. windows, stronger groundsheet material or the use of different fabric, change weight and packing volume!

	ARZ 10	ARZ 204	ARZ 20	ARZ 30	ARZ 40	ARZ 50	ARZ 60
Length	3,20 m	5,00 m	3,89 m	5,72 m	7,55 m	9,38 m	11,21 m
Width	3,40 m	4,00 m	5,50 m	5,50 m	5,50 m	5,50 m	5,50 m
Wall height	2,20 m	2,00 m	2,00 m	2,00 m	2,00 m	2,00 m	2,00 m
Total height	2,76 m	2,70 m	2,95 m	2,95 m	2,95 m	2,95 m	2,95 m
Operation pressure	Approx. 0,25 bar	Approx. 0,25 bar	Approx. 0,25 bar	Approx. 0,25 bar	Approx. 0,25 bar	Approx. 0,25 bar	Approx. 0,25 bar
Maximum pressure	0,30 bar	0,30 bar	0,30 bar	0,30 bar	0,30 bar	0,30 bar	0,30 bar
Packing Volume	100x70 x46 cm	120x85 x55 cm	120x87 x47 cm	113x75 x65 cm	125x95 x60 cm	135x95 x60 cm	120x100 x74 cm
Weight (approx.)	52 kg	80 kg	82 kg	103 kg	124 kg	142 kg	173 kg

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3. Set-up Instructions

3.1 Unpacking and Unfolding

- The place of set-up should be flat to provide best stability for the tent. It should be most possibly clean, too. No loose things on the ground, in order to avoid damage to the tent.
- Take out tent of the packing bag and unfold it.
- Spread it out.

3.2 Inflation

- Take off protective cap of the in- and deflation valves by turning anticlockwise.
- Check if valve is closed. The valve inside must be even with the valve surface.
- Close opened valve by pushing down and turning the valve tappet clockwise.
- Fill the tent tube system, refer to 3.2.1, 3.2.2 or 3.2.3.
- Adjust tent by pulling ground loops.

Note: always put on protective valve-caps after inflation process and fix it by turning it clockwise.

3.2.1 Using the Hand-Pump

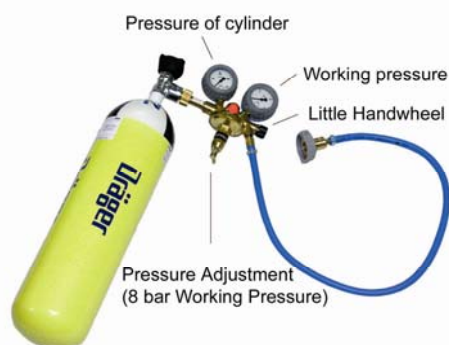
- Place hand-pump in pressure position.
- Put conic ending of the pump hose into the in- and deflation valve opening of the first tube. Pump until pressure is reached.
- During inflation process the tubes must be lifted by hand a little bit.
Information: The pressure itself is not enough to build-up the tent. A second person must lift the tent tubes, see pic. 2.
- The final pressure is reached when the pressure relief valve opens. The pressure-relief-valve is located diagonal across the in- and deflation valve.

3.2.2 Using the Electrical Blower

- Prepare electrical blower according to the manual of the electrical blower.
- Connect the hose of the electrical blower to the in- and deflation valve and fill the tube system.
- The maximum pressure of the electrical blower of 0.3 bar is less than the opening pressure of the relief valve. This is why the relief valve usually doesn't open.
- Using the electrical blower longer than needed for the inflation process may cause overheating (maximum 1 minute). Avoid overheating!

3.2.3 Using the Air-Pressure-kit and the Compressed Air Cylinders

- Take off the dummy plug from the compressed air cylinder.
- Fix the pressure reducer to the compressed air cylinders.
- Put the pressure adapter together as shown in the picture.



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- d) The end of the hose has to be connected to the adapter which is fixed at the in- and deflation valve of the tent.
Caution: The hose will be under pressure. If it is not properly fixed, it might slip off during the inflation process and cause injuries.
- e) Close pressure reducer valve (little handwheel).
- f) Open bottle valve totally. The left pressure gauge shows the bottle pressure - the right pressure gauge shows the working pressure of the pressure reducer. The working pressure has to be 8 bar. If needed adjust the working pressure to this value by turning the adjustment screw at the bottom.
- g) Now open the pressure reducer valve (little handwheel) to fill the tube system.
- h) If you use more than one cylinder, check all the working pressures before you open the pressure reducer valves one after the other.
- i) As soon as the pressure relief valve of the tent opens or the cylinders are almost empty, close the cylinder valve in order to prevent the total emptying of the bottle.
- j) Take off the pressure hoses and replace the pressure reducer at the cylinder with a dummy plug.

3.3 Final Work to Do

- a) Fix tent with T-pegs 30cm to the ground.
- b) Fasten storm cords with T-pegs and tighten them.

3.4 Important Information

- a) Avoid punctual weight and sharp things on the groundsheet.
- b) When there are first signs of low pressure of the tube system start refilling according to inflation process 3.2.
- c) Check storm cords regularly and tighten again if needed.
- d) When you assume that a tube is leaky, lather the tube in order to locate the leaky spot. Repair according to No. 5.
- e) Snow loads have to be removed immediately.

4. Deflation and Packing of the Tent

4.1 Deflation

- a) Take out everything of the tent.
- b) Take especially care of little stones, loose chippings and peaky objects.
- c) Press down and turn anticlockwise in- and deflations valves to open them. The air needs about 5 to 10 minutes to exhaust.
- d) Exhaust the air properly with the hand-pump or electrical blower.

4.2 Folding and Packing

- a) Spread out tent roof even and flat.
- b) Loosen all fixtures. Lay cords on the tent.
- c) Collect all pegs, clean and pack them.
- d) Fold tent and clean it as possible.
- e) Roll in tent and squeeze out the remaining air with your knees.
- f) Close valves and put on protective caps.
- g) Place the packing bag under the end of the folded tent and roll it into the bag.
- h) Pack all accessories.

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5. Care and Repair Instructions

5.1 General Information

Never pack the tent when it is humid or dirty!

5.2 Cleaning

Only take common gentle cleaning soap.

- a) Cleaning all textile parts with tepid, gentle soap-water and use a soft sponge. Always rinse with clear water completely and let it dry in the air. Please read and act according to cleaning advises for the fabric when you cannot remove dirt this way.
- b) Clean dirty in- and deflation valves and relief valves the same way as above. In case that a valve is not airtight anymore, please follow step 5.4.

5.3 Repairing of Holes and Fissures

Repairing of holes and fissures at the tent frame, groundsheet or roof can be done with the included repair set according to its instructions.

5.4 Valve Check

Isn't a valve airtight anymore, may be dirt under the gasket, which can be removed as described:

- a) Exhaust all air
- b) Fill valve with warm soap-water
- c) Press valve tappet: in- and deflation valve from the front, the relief valve must be pressed from the back through the tube right in the middle.
- d) The soap-water should flow into the tube.
- e) Fill tube until the valve opens definitely. Check in- and deflation valve if they are tight.
- f) If the valve still not working properly, it probably needs to be change.

II. Figures



Fig. 1: Ready to use air-pressure-kit with bottles (for ARZ 30 / 40).



Fig. 2 The pressure itself isn't enough. Help the tent to build-up as it is shown here. As soon as the first tube has reached it final position, walk into the tent and push up the rest of the arcs (tubes).