RENOLIT

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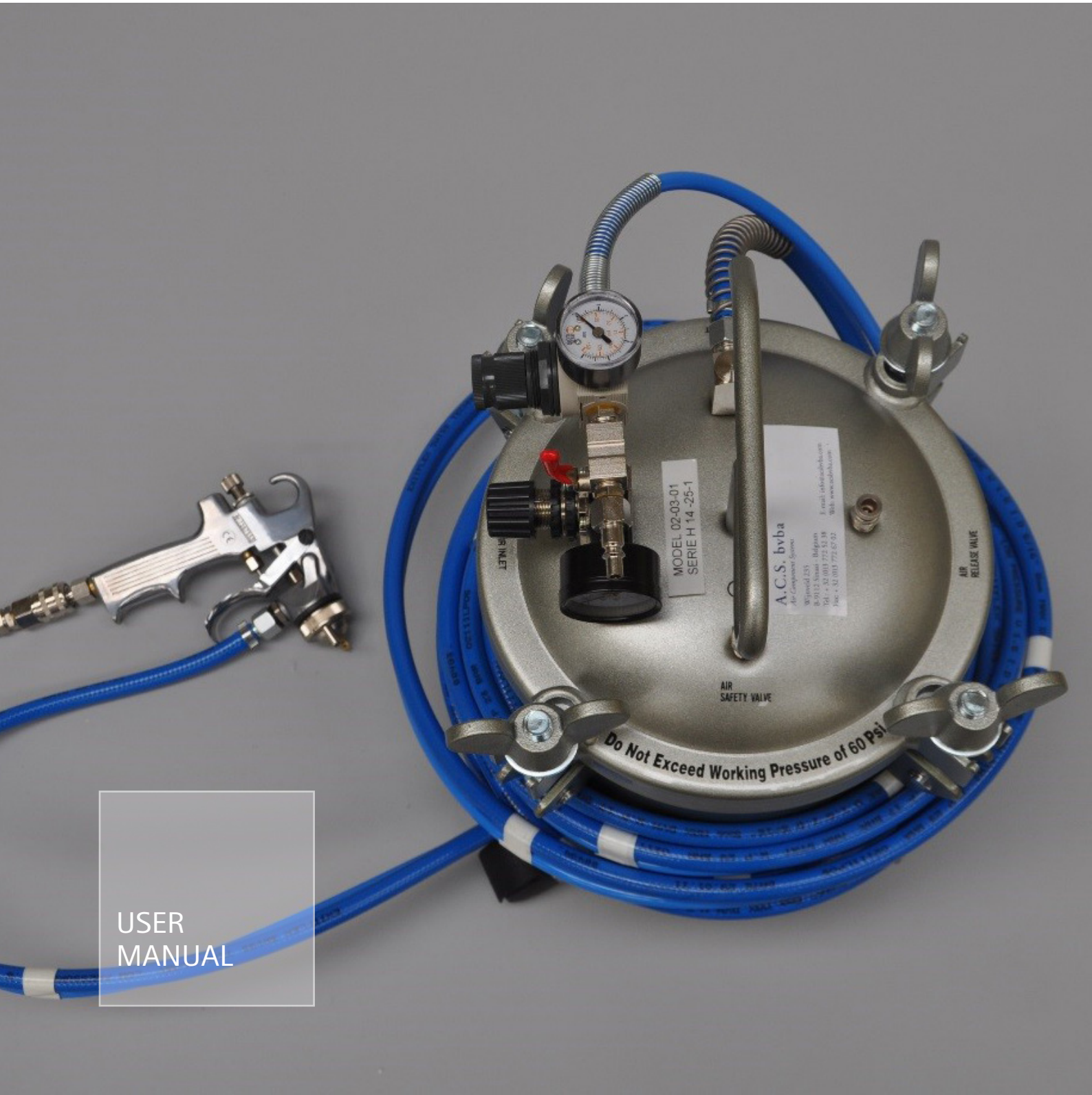
# Spray system under pressure

## **RENOLIT** ALKORPLUS$_{81063-001}$




USER
MANUAL

# RENOLIT ALKORPLUS$_{81063-001}$ spray system under pressure

## for dispersing the RENOLIT ALKORPLUS$_{81040}$ and RENOLIT ALKORPLUS$_{81064}$ adhesives.

## USER MANUAL and SAFETY RECOMMENDATIONS

READ THIS MANUAL BEFORE USING THE SYSTEM!

### *Start-up*

Unscrew the 4 large wing nuts and remove the lid (3).

Note: **the filter unit (4) may not touch the ground to avoid dirt getting into the glue.**

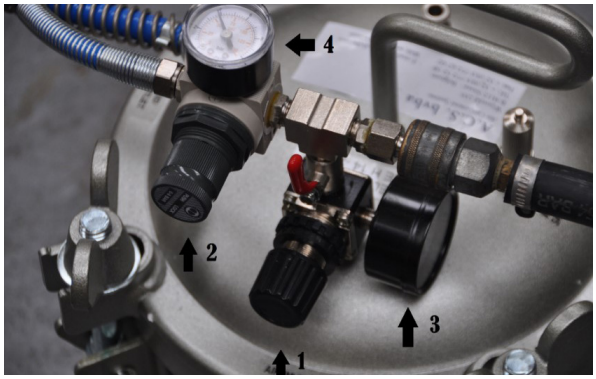

Fill the inner bucket (2) with adhesive, avoid dirt which may be on the top of the adhesive container falls into the bucket.

Put the lid (3) in place and tighten the 4 wing nuts, rather well tight.

Connect the air hose to the air inlet. Minimum air hose diameter 13 mm.

Open the red air valve.

**Adjust the pressure on the glue (1) to approx. 4 bar (3) & the spray pressure to the gun (2) at 5,5 bars (4).**



Perform a test spray, spray pattern should be covering the surface with an equal quantity of adhesive anywhere in the pattern.

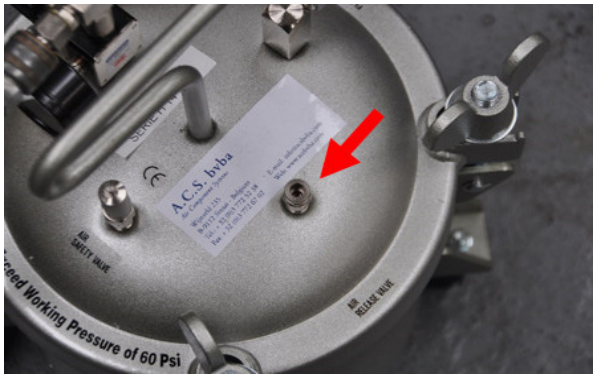
The spray pattern width can be adjusted by adjusting the button on the left side off the gun.

The equipment is now ready to be used!

## *Adding adhesive when empty*

Close the red air valve & remove the air hose.

Let the pressure escape, preferably with the **small purge valve** on to off the lid.




Follow the same method – as described in previous paragraph – after unscrewing the 4 wing nuts. After the filling just connect the air hose, the set pressures stay as they were before.

## *What to do at the end of the day or after work is finished*

Let the pressure escape, preferably with the small purge valve on to off the lid. Then **close the purge valve and the red air cock**, when the unit is not in use, this red valve should be kept closed, avoiding air getting into the pressure pot and solvents escaping.

Remove the air nozzle with the ring from the gun and store it in a solvent, clean the stainless steel nozzle if dirty, without removing it from the gun, cleaning should be done with a soft paintbrush and solvent.

## *Cleaning of the unit*

If the same adhesive is used day by day, no cleaning is necessary. Only when different adhesives are used, cleaning has to be done.

Remove the adhesive and fill the unit with a solvent. For example ethyl acetate, methyl ethyl ketone (MEK...), ... Set all pressures at 1 bar and spray the solvent into a container until clear solvent comes out of the gun.

## General safety conditions

- ☑ Keep the unit clean and in a good operation condition.
- ☑ Only use original spare parts.
- ☑ Never go up a lather with the unit under pressure.
- ☑ Do not pull the hoses, the unit has to be transported by using the carrying handle.

## Problem shooting

There is no or little adhesive coming out of the gun:

- ☑ There is no pressure on the unit.
- ☑ The unit is empty.
- ☑ The stainless steel nozzle is blocked.
- ☑ The adhesive is too cold.

The spray pattern is irregular:

- ☑ Adjust the spraying pressure to the gun.
- ☑ One of the holes in the air nozzle is blocked.
- ☑ The adhesive is too cold.
- ☑ There is not enough compressor capacity **(minimum compressor capacity: 3HP)**

Adhesive leaks out of the stainless steel nozzle:

- ☑ Nozzle is damaged or dirty.

| *Normal spray profile flat jet (only with flat jet nozzles)* | **TROUBLESHOOTING, OPERATING MALFUNCTIONS, SPRAY PROFILE DEFECTS** | | |
|---|---|---|---|
|  | PROBLEM | CAUSE | REMEDY |
|  | *Excessive spray profile toward the top and bottom* | Soiled air nozzle<br>Soiled material nozzle | Clean nozzles |
|  | *Spray profile veers markedly to left or right* | Soiled air nozzle<br>Soiled material nozzle | Clean nozzles |
|  | *Heavy application in the centre of the spray profile* | Too much material<br>Excessively viscous material | Reduce material feed<br>Dilute material |
|  | *Split spray profile* | Insufficient material<br>Flat jet air pressure too high | Increase material feed<br>Reduce flat jet air pressure |
|  | *Surging or halting material jet* | Insufficient material feed<br>Blocked material path<br>Loose or damaged material nozzle-<br>Worn needle gasket | Increase material feed<br>Clean<br>Tighten or replace<br>Replace |
| | *Material leakage at seal nut* | Needle gasket defective | Replace needle gasket |
| | *Material nozzle drips* | Worn or damaged needle<br>Soiled or damaged material nozzle | Replace material needle<br>Clean or replace material nozzle |

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