

# TECHNICAL MANUAL

## Foam container

Item-Nr. 24-01774 (24 liter)

Item-Nr. 24-01705 (50 liter)



## SAFETY PRECAUTIONS

### Important note

For correct and safe use of the device, please read these instructions carefully.

### Prohibitions and restrictions

Any improper use of the device is strictly prohibited. Failure to comply with the following prohibitions and restrictions is considered improper use of the device.

- Use the equipment correctly within the pressure and temperature limits specified on the manufacturer's nameplates and in the relevant declaration of conformity, which must be kept in a safe place.
- DO NOT carry out welding work on pressurized parts and metal structures.
- DO NOT remove and/or bypass the safety (safety valves) and control accessories (pressure gauges). Check regularly that they are in perfect working order.
- If possible, avoid using the device in an inadequately ventilated environment. Strictly avoid placing the device near flames, heat sources, or flammable substances.
- Avoid subjecting the device to vibrations during operation that could lead to fatigue fractures.
- Never leave unused product in the tank; empty the tank immediately after each use and wash it thoroughly.
- Check the container regularly (every six months) for corrosion.
- Whenever the filler plug (2.1) is to be opened, and in any case before any inspection and/or maintenance work on the equipment, ensure that there is no internal pressure in the container and that it is completely depressurized (internal pressure equal to atmospheric pressure).
- CAUTION: Device is pressurized – with built-in 304 stainless steel pressure vessel; Filling the container with unsuitable substances causes a RISK OF EXPLOSION!!!
- The atomizer is designed for the storage and atomization of fluids classified as non-hazardous in Group 2 (see Directive EEC/67/548 Art. 2, para. 2 and Directive EC/97/23 Art. 9). IT IS THEREFORE STRICTLY PROHIBITED to fill the container with Group 1 fluids, in particular fluids defined as: explosive, highly flammable, easily flammable, flammable, very toxic, toxic, and oxidizing.  
The filling of flammable substances (solvents, gasoline, etc.) or substances that attack the 304 stainless steel container walls (chlorine, etc.) is strictly prohibited due to the resulting risk of explosion. Therefore, before filling the device with substances to be sprayed, be sure to read the relevant safety data sheet or contact the respective manufacturer.
- The atomizer is a pressure device consisting of a metal container equipped with a trolley for manual movement. It is PROHIBITED to pull or push the atomizer with mechanical aids.
- It is PROHIBITED to use the device for atomization on: persons, animals, machines, or objects with electric motors or electrical equipment that can cause short circuits when in contact with liquids.
- Users are advised to comply with the legal regulations applicable in their country regarding the operation of pressure vessels.

## OPERATION

### Connecting the spray gun

Before using the atomizer, connect the spray gun and the supplied hose:

1. Press one end of the hose into the bayonet fitting on the spray gun.
2. Insert the other end of the hose into the bayonet fitting on the "liquid delivery" tap.

### Filling

The tank is filled with the product to be atomized through the "filler cap." Before opening the cap:

1. Use the pressure gauge to check that the tank is NOT under pressure. If the tank is under pressure, shut off the compressed air supply, open the "air supply" valve, and allow the air in the tank to escape completely.
2. Unscrew the "filler cap" and fill the tank with the product to be atomized using the funnel provided.
3. Screw the "filler cap" back on and tighten it securely. The atomizer is now ready for use.

### Creating excess pressure in the tank

1. Connect the atomizer to your air compressor system using the "air supply" tap.
2. Open the "air supply" tap and pressurize the atomizer to the desired level.

CAUTION: Maximum operating pressure 8 bar

### Spraying

1. Open the "liquid delivery" tap and the mixing tap at the same time.
2. Hold the spray gun firmly, press the trigger, and make sure that the spray only hits the surface to be treated. You can adjust the foam density using the mixing valve by turning it slightly clockwise or counterclockwise, depending on whether you want a lower or higher foam density.
3. If the tank still contains product but the pressure is no longer sufficient, repeat the steps from the section "Creating excess pressure in the tank."
4. If there is no more product in the tank but you still want to foam, repeat the steps from the section "Refilling."

**CAUTION: Never leave unused product in the tank; empty the tank immediately after each use and wash it thoroughly.**

## TECHNISCHE SPEZIFIKATIONEN

|                                   |                                                             |
|-----------------------------------|-------------------------------------------------------------|
| Compressed air supply connection: | 1/4" male thread, max. 8 bar, including preset safety valve |
| Hose:                             | chemical-resistant, length 10 m                             |
| Spray lance:                      | length 60 cm, including nozzles                             |
| Container wall material:          | 304 stainless steel                                         |

## SPARE PARTS/ EXPLODED DIAGRAMM

If you require replacement parts, please contact nita ScanFoam.

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