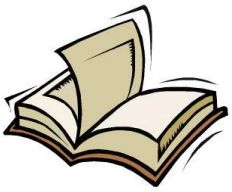
Filling station 4000 F / FVE

Art. No.: 40XXX

Øwre-Johnsen

Thank you for the confidence you have placed in us and our products.



Please read the operating instructions before you start working with the filling station.

These operating and maintenance instructions contain important information that is required for the safe and trouble-free operation of your filling station. Therefore, always keep these operating instructions with the filling station.

General information:
This filling station was developed for specific applications. We expressly point out that this filling station must not be modified and/or used in a way that does not correspond to its intended use.

Contents:

1. Technical data

Designation	4000 F /FVE
Working pressure	6-8 bar
Maximal pressure	10 bar
Filling capacity	400 ml
Connection thread air	¼“
Compressed air connection	via quick coupling
Suction hose length	3.000 mm
Dimensions	W 220 x D 250 x H 365 mm
Dimensions carton	W 245 x D 375 x H 320 mm
Net weight	approx.6,540 g
Gross weight	approx.7,440 g
Required air quality	filtered, condensate-free

2. Scope of delivery

Filling station, canister or drum connection, suction hose, compressed air connection, operating instructions.

Optional: Wall bracket, spray bottles type 4300, grease gun, grease pad.

3. Intended use

This filling station is

- intended for filling the associated spray bottles type 4300.
- only to be used for the purposes confirmed by us.
- only under the operating conditions and settings prescribed in these operating instructions.

Any other use and setting is considered improper!

4. Features

The filling station is a closed system with an internal cylinder, control units and valves. The color-coded tapping points can be used to fill the corresponding spray bottles with product/air or air only.

5. Safety instructions

This filling station is not suitable for alkaline, acidic and acetone-containing media. Only media approved by your supplier for this filling station may be used!

The filling station poses a risk to persons and the operator's property if:

- Unqualified personnel works on and with the filling station.
- The filling station is used improperly and not as intended.

The filling station may only be operated with the products approved by the dealer and must be set in such a way that it functions correctly and does not pose a risk to persons when properly installed and used for its intended purpose.

Protect yourself and the environment from any accidents by taking appropriate precautionary measures. In your own interest, please observe the following instructions:

- The operator must ensure proper operation.
- The operator must be familiar with the operating instructions for the filling station and the current EC safety data sheets for the product to be used and must comply with them.
- Do not bring compressed air and/or medium into contact with the skin or eyes.
- Never direct a spray jet at animals, people or yourself.
- Do not inhale spray mist.
- Keep children and pets away from the operating area.
- No manipulations, emergency repairs or misuse of the filling station are allowed.
- Filling stations may only be operated and maintained by instructed persons.
- Only qualified persons are allowed to carry out repairs.

The following applies to all maintenance or repair work:

- It is essential to disconnect the filling station from the compressed air connection before carrying out maintenance or repair work.
- Only use original spare parts.
- The maximum working pressure must not be exceeded (see point 1 "technical data").
- If necessary, the working pressure must be set via a pressure reducer.
- Use only compressed air as an energy source.
- When working on and with the filling station, wear the required work gloves, safety goggles and, if necessary, protective clothing.
- If leaks occur in the unit or other operating faults, the unit must be disconnected immediately from the compressed air supply and the cause of the fault rectified.
- Caution with flammable media.
- Open fire, lighting sparks or smoking is prohibited.
- Processed media and cleaning agents must be disposed of in an environmentally friendly manner.
- The disposal of the unit must be carried out in accordance with the applicable legal regulations.

6. Commissioning / End of work

Check the filling station for completion and/or damage.

Attention:
When working with chemical media, be sure to wear gloves, protective goggles and, if necessary, protective clothing.

Commissioning: Attach the transparent suction hose to the connection provided on the filling station. Use an open-ended spanner to tighten the union nut lightly. Then insert the weight at the end of the suction line from the canister or drum connection (scope of delivery is customer-specific) into your product container and screw the cap on hand-tight.

Information: In order to be able to set up the filling station and the product container flexibly, the transparent suction hose is supplied with a length of approx. 3m. This length can be shortened as required before connecting it to the product container.

Once the final location of the filling station and the product container has been selected, you can now also screw the suction hose to the product container. This is also done easily with the help of an open-ended spanner. Using an open-ended spanner or ring spanner, screw the compressed air connection into the 1⁄4" thread so that the connection seals.

If necessary, secure the threaded connection with a second open-ended spanner so that it does not over-tighten.

You can then connect the system to your compressed air network. An earthing cable can be connected as an option to avoid static charges.
If everything is connected properly, the first filling of the filling station starts automatically with the connection of the compressed air. Please note that after the initial connection of the filling station, the target filling quantity of the spray bottle (370-400 ml) is lower due to the design.

Operate the filling station only through the closed spray can intended for this filling station. Otherwise, the medium can be sprayed in an uncontrolled manner, which can lead to injuries to the eyes and respiratory tract!

Filling the spray bottle: Place the spray bottle intended for this filling station on the material/air extraction point. Start the filling process by pressing the spray bottle down evenly. Do not release the pressure on the spray bottle until the filling process is completed after the compressed air has flown in. This is the case when no more filling can be heard or felt. A filling process takes approx. 12 sec. Additional filling of compressed air via the black air extraction point is not necessary afterwards. The spray bottle is already ready for use.
If you have interrupted the filling process by mistake, do not press the spray bottle onto the coloured extraction point again, but simply fill the spray bottle with compressed air at the black air extraction point. Refilling at the coloured tapping point would result in more than 400 ml of medium being filled and would therefore disturb the ratio between medium and compressed air.
Please note: All further filling must be carried out when the spray bottle is empty. Please process residual material beforehand and then allow the residual air in the spray bottle to escape. This can be achieved by releasing the spray valve or by slightly unscrewing the union nut.

Only when the spray bottle is completely empty (medium & compressed air) will the optimum filling ratio be produced when the spray bottle is refilled.

If the compressed air has escaped prematurely due to unintentional opening of the spray can, but there is still medium in the spray bottle, it must be refilled at the black air extraction station. If required, the pressure in the spray bottle can be restored to the original pressure at any time using the black air extraction station. As a rule, the filling

according to the instructions described is usually sufficient to empty the medium with the existing compressed air volume.

End of operation: Keep the valves of the tapping points free of dirt and the center seal of the tapping point lightly greased. If the filling station is used frequently, leave it fully connected to the compressed air supply. This ensures that the filling station is in "standby" mode and can be operated at any time. If the filling station is not used for a longer periode of time, we recommend disconnecting it from the compressed air supply and emptying the spray bottles.

7. Maintenance and care

- Before each use, carry out a visual inspection of the installed seals of the tapping points and the bottom valve of the spray bottles to ensure that they are not damaged.
- Grease the two central seals in the tapping points as required.
- Use a grease gun to lubricate the cylinder installed in the unit at regular intervals. The lubrication cycle depends on the medium used and the amount of filling. For this purpose, use only the grease nipple installed by us. (Grease gun and grease pad are optionally available).

Note: Changes to the design of the grease nipple can lead to defects on the cylinder!

- Clean the outside of the filling station as required. We recommend a soapy solution. Do not use aggressive cleaners!

Compliance with the specified maintenance instructions ensures a long service life and trouble-free operation for this quality product.

Attention:
Ensure proper disposal of residual materials produced during maintenance and care.

8. Storage and warehousing

The filling station must be stored and kept under the following conditions:

- Store in a dry and dust-free place.
- Do not expose to liquids and/or aggressive chemicals.
- Keep out of reach of children.

9. Troubleshooting

In all cases of malfunction, please first check whether there is a sufficient amount of compressed air and still enough processable medium.

- **No material or not enough material arrives in the spray bottle.**
  - Possible cause: Medium has not been completely processed before filling or the spray bottle was still under pressure before filling.
    Solution: Only fill the spray bottle with medium when it is empty.
  - Possible cause: Connections to the suction hose have not been tightened.
    Solution: Check suction hose connections and tighten if necessary.
  - Possible cause: Suction hose is defective/has been leaking.
    Solution: Replace or shorten suction hose to remove damaged area.
- **Filled spray bottle does not spray medium or sprays improperly.**
  - Possible cause: Rising pipe and/or spray head are blocked.
    Solution: Clean or replace blocked components.
  - Possible cause: Spray bottle has been filled with more than 400 ml of medium and therefore no/not enough working pressure is available.
    Solution: Let the working pressure escape, empty the spray bottle.
- **Air or medium escapes from the spray bottle although the spray bottle is in the rest position.**
  - Possible cause: Spray bottle has not been closed.
    Solution: Close the spray bottle by tightening the union nut.
  - Possible cause: Valve seal is defective.
    Solution: Replace leaking valve or dispose of spray bottle. Check whether the medium used is suitable for use in this product.
- **Noticeable and unusual noise development when filling the spray bottle.**
  - Possible cause: Cylinder seal has no lubrication.
    Solution: Grease the filling station via the built-in grease nipple (see point 7). We recommend long life assembly grease. Leave the filling station in its initial position and connected to the compressed air supply during lubrication. Repeat the procedure after use until the noise has disappeared.

10. Warranty conditions

The basis for all warranty claims is the complete filling station and the proof of purchase. Damage caused by improper handling of the filling station is not covered by the warranty. If you have any questions, please state the type designation or the article number of the filling station.

In accordance with legal requirements, all products come with a 24-month warranty against material and manufacturing defects.

Excluded from the warranty are:

- Wear parts.
- Damage due to unauthorised modifications.
- Damage caused by media not approved by the supplier.
- Damage caused by improper use.
- Damage caused by a lack of maintenance.
- Damage caused by contamination.
- Damage caused by unprocessed compressed air.

If warranty claims are made, the filling station must be in its original condition.

11. Address

In case of service, your supplier will assist you or contact the following address if necessary:

ØWRE-JOHNSEN AS
Øvre Flatåsveg 16
N-7079 Flatåsen
Norway

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12. Notes