

Benefits of the Ökonal® waterless system

- No odor formation
- Matchless clog-proof double-flap membrane cartridge (pat. pend.)
- No incrustation
- No repair costs for flushing devices
- No flushing, therefore minimized fresh water or wastewater costs
- No waste of precious drinking water
- No electrical connection needed
- No repair costs for electronic components
- Easy to clean, due to special ceramic surface and unique special cleanser
- Simple maintenance (simple cartridge replacement, about once a year)
- More than 60 years of practical experience in Germany
- Proven longevity, durability approx. 15,000 uses
- Ökonal®-Hygiene-Glaze



Assembly instructions

The specified connection dimensions refer to the metric DN 50 (diameter nominal) plug-in sockets prepared on site.

The assembly time for each urinal is approximately 20 minutes (weight approx. 15 kg). After assembly, a leak test has to be carried out! Then insert the cartridge.

Scope of delivery:

Urinal bowl, fastening kit (mounting brackets, dowels, screws, washers, cover caps), ceramic connection piece, siphon cartridge.

Subject to technical changes.

Leak test after assembly



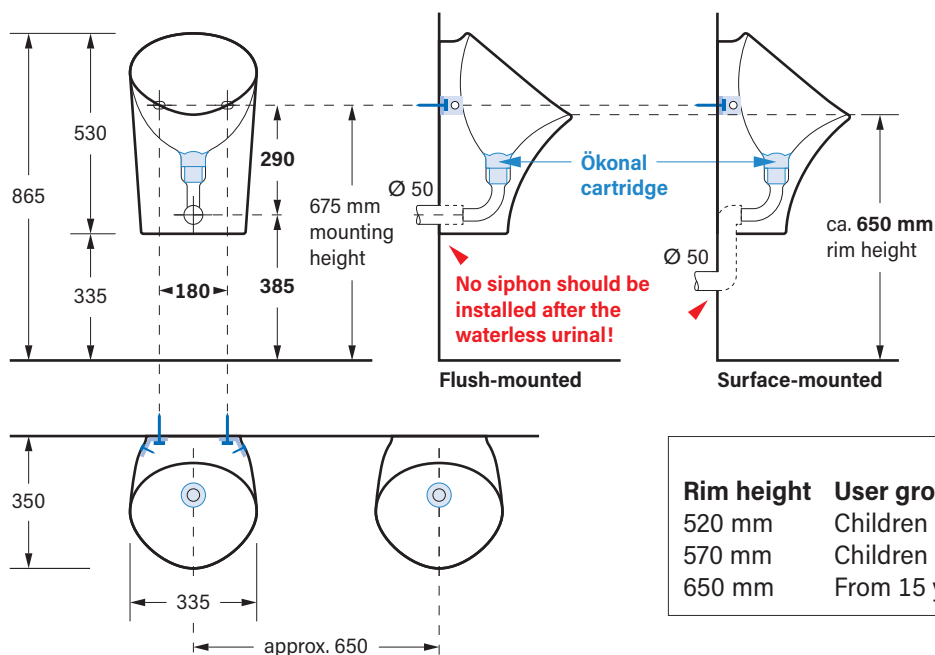
Rinse with 2 liter of water



Insert cartridge.
Push down as far
as it will go



Carry out a function
test with
0.5 liter of water



Rim height	User group	Middle of sewage pipe to finished floor
520 mm	Children aged 8 to 10	255 mm
570 mm	Children aged 11 to 14	305 mm
650 mm	From 15 years and adults	385 mm

With double-flap-membrane-cartridge,
the result of more than 60 years of practical experience in waterless urinals

Integrated hygiene capsule ensures perfect hygienic conditions in the cartridge

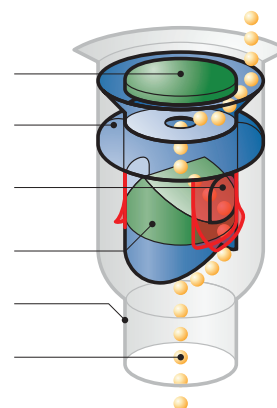
Easy-to-replace cartridge with a sophisticated **sealing system**

Reliable odor membrane, automatically seals against sewer odors.
Safe under positive and negative pressure. No clogging due to double-flap technology

Sediment inhibitor, minimizes sediment deposits in the drain pipe

Drain pipe

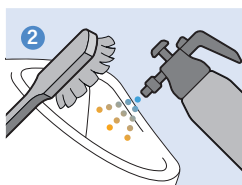
The unique double-flap membrane technology
ensures **instantaneous drainage** of urine without leaving any residue



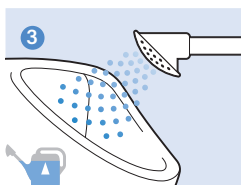
Easy cleaning (Every day)



Dissolve the sachet's contents in 1 liter of water and shake the spray bottle at least 10 times



Spray urinal with mixture, then brush

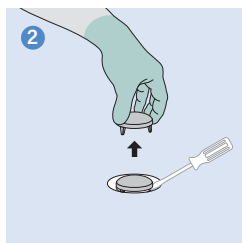


Rinse with cold water (at least 5 liter)

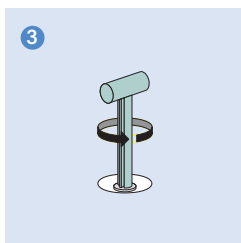
Easy cartridge replacement (Once a year)



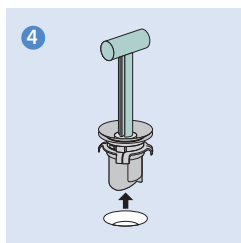
First rinse with 0.5 liter of water



Pull the cartridge-lid upwards



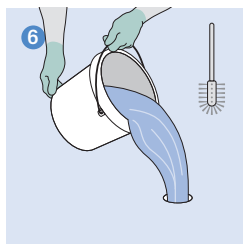
Insert the pull-out device into cartridge and rotate 45° counterclockwise



Pull out the cartridge



Disconnect the pull-out device from the cartridge, dispose the removed cartridge



Clean the drain, then gush with 5 liter of clear water



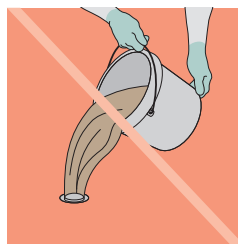
Insert new cartridge



Push down as far as it will go



Carry out a function test with 0.5 liter of water



Please note:
Do not pour cleaning water into the cartridge