

New from RDI Systems Ltd

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THE HIDDEN THREAT LIVES BELOW.

Hospital sink drains can become persistent microbial reservoirs if the internal environment is left uncontrolled.



PERSISTENT BIOFILM

Forms on internal surfaces.



CONTAMINATED AEROSOLS

Released during water flow.



PATHOGEN RESERVOIR

Supports long-term persistence.



INCREASED HAI RISK

A hidden environmental source.



**CLEANING THE SURFACE DOESN'T SOLVE THE PROBLEM.
THE PROBLEM STARTS INSIDE THE DRAIN.**

DrainBarrier

MAKING SINKS SAFE AGAIN



SELF-POWERED



FAST
INSTALLATION



EASY
MAINTENANCE



LONG-LIFE
OPERATION



CLINICAL IMPACT



Stabilizes pH and temperature levels.



Powerfully flushes antibiotic and disinfectant residues.



Balances air pressure and prevents airflow reversal.



Breaks down biofilm structure from day one.

ENGINEERED TO PREVENT.
DESIGNED TO PROTECT.





ENGINEERED TO PREVENT. DESIGNED TO PROTECT.

A complete engineering platform that actively controls the hospital drain environment, reducing the conditions that allow biofilm, contaminated aerosols and pathogen persistence.



ENGINEERED
FOR SAFETY



CLEANER
ENVIRONMENT



SUPPORTS INFECTION
PREVENTION



BUILT FOR HOSPITAL
PERFORMANCE

Drain Barrier

MAKING SINKS SAFE AGAIN

ACCESSIBLE. DISINFECTABLE. ESSENTIAL.

Designed for total access and effective disinfection.

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You can't disinfect what you can't clean.



FULL VISIBILITY

Direct visual access to the tailpiece and P-trap for complete inspection.



EASY TO REMOVE

Strainer lifts out in seconds for quick and tool-free access.



EFFECTIVE DISINFECTION

All internal surfaces can be cleaned and disinfected thoroughly.



PREVENTS BACKFLOW

One-way valve blocks aerosols and droplets from the sewer.



SHORT TAILPIPE

Easy to reach.
Easy to clean.



ROUTINE MAINTENANCE

Remove, clean and disinfect every two weeks.



BETTER HYGIENE

Cleaner drains.
Safer environments.

CLEANING THE SURFACE DOESN'T SOLVE THE PROBLEM.
THE PROBLEM STARTS INSIDE THE DRAIN.



FROM CLINICAL VALIDATION TO GLOBAL DEPLOYMENT.

One engineering platform.
Multiple healthcare systems.
Built for real-world hospital adoption.



CLINICAL IMPACT + ENVIRONMENTAL CONTROL

Evidence across independent hospital settings

SINGAPORE GENERAL HOSPITAL

Orthopaedic Ward | 12-Month Evaluation



49.4%

REDUCTION IN HO-CPO INCIDENCE

38.6 → 19.5

per 10,000 patient-days



IRR 0.51

95% CI 0.32 - 0.80



$P < 0.05$

Statistically significant



NO CPO DETECTED

in air sampling at Week 52

✓ No changes in hand hygiene, environmental cleaning, equipment cleaning or other IPC practices were observed.

ZAFON MEDICAL CENTER | ISRAEL

Two Internal Medicine Wards | 6-Month Evaluation



66%

LOW BACTERIAL BURDEN
(≤ 100 CFU/m²)

66%
Intervention
ward samples

VS

8%
Control
ward samples



CPE IRR 0.46

vs 8% CONTROL



CRAB IRR 0.57

vs 8% CONTROL

✓ Reduced acquisitions

$P = 0.0001$

BARZILAI MEDICAL CENTER | ISRAEL

18 Intervention Sinks | 4-Month Evaluation



89%

NEGATIVE
Intervention sinks
at end of follow-up



~300,000
→ <2,000
Mean CFU/swab
reduction

FMBA HOSPITAL EVALUATION | RUSSIA

Multiple Wards | 8-Month Follow-Up



5.5% POSITIVE

Physiclean sinks
1/18

VS

48.1% POSITIVE

Control sinks
53/110

8.7x
MORE
EFFECTIVE

vs control sinks

TRUSTED BY HOSPITALS. DELIVERED WORLDWIDE.

From Asia to Europe and the Middle East,
our solutions are installed in leading
hospitals and supported by a growing
global distribution network.

THE SOLUTION MADE FOR REAL HOSPITALS.

Engineered to eliminate sink drain infections at the source,
with proven clinical impact.



CLINICALLY VALIDATED

Proven across multiple
hospital evaluations.



ENGINEERED TO PREVENT

Targets biofilm, contaminants
and aerosol transmission.



BUILT FOR INTEGRATION

Universal fit for all sink types,
fast installation, easy operation
and maintenance.



PROVEN IMPACT

Consistent microbial
and clinical outcomes.



LOOKING FOR PARTNERS IN NEW MARKETS

We are expanding with healthcare
and distribution partners worldwide.



REGULATORY & COMPLIANCE

Engineered to meet international
standards and healthcare requirements.



UNIVERSAL COMPATIBILITY

Designed for multiple sink and
drainage configurations.



SIMPLE DEPLOYMENT

Fast installation with no
external power required.



IT'S TIME TO RETHINK THE HOSPITAL SINK.

Drain Barrier - **MAKING SINKS SAFE AGAIN**

