

## DRAIN VALVE WITH ANTIMICROBIAL COATING

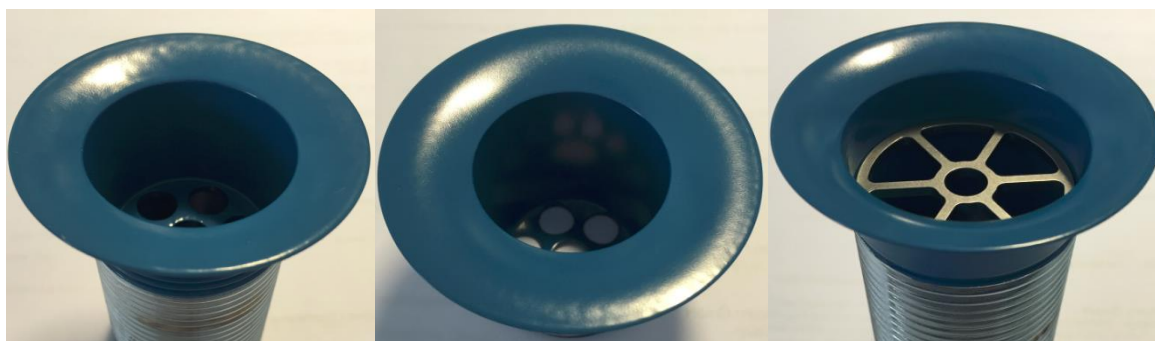
(Polyflex® Steridur II – powder coating with silver ions)

### EFFICACY OF POLYFLEX® STERIDUR II TECHNOLOGY

- Broad activity spectrum against bacteria, fungi and algae
- Inhibits germ development and supports optimum hygiene
- Prevents microbial odor development
- Protects 24h – around the clock
- Safe for food contact applications – FDA and EU compliant
- Contains Silver – a natural ingredient with known antimicrobial activity

### PRODUCT BENEFITS

- ✓ Excellent activity against gram-positive and gram-negative bacteria
  - ✓ Reduction of biofilm formation in the drain valve
  - ✓ Easy cleaning and disinfection possibilities
  - ✓ Simple installation – maintenance-free
  - ✓ Cost-effective and environmentally compatible
- ✓ **Best for combination with the MoveoSiphon ST24 to protect sink drains permanently against infectious contamination, particularly in sensitive medical areas.**

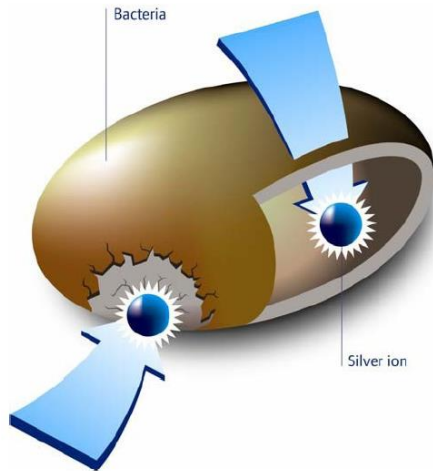


60x70 x 1¼"

70x40 x 1¼"

60x70 x 1¼"  
removable strainer plate

## POLYFLEX® STERIDUR II MODE OF ACTION



This is the effect silver has on bacteria:

1. Cell membrane is destabilized
2. Respiration is prohibited
3. Food (nutrient) intake is impeded
4. Cell division is inhibited

## ACTIVITY SPECTRUM - BACTERIA

### Gram-positive

- Staphylococcus aureus (MRSA)
- Enterococcus faecalis (VRE)
- Bacillus subtilis
- Streptococcus faecalis
- Streptococcus pyrogenes
- Corynebacterium xerosis
- Micrococcus luteus
- Listeria monocytogenes
- Listeria welshimeri

### Gram-negative

- Escherichia coli (ESBL)
- Enterobacter aerogenes
- Legionella pneumophila
- Pseudomonas aeruginosa
- Salmonella enteritidis
- Salmonella typhimurium
- Klebsiella aeruginosa
- Vibrio parahaemolyticus

### Quantitative test to determine the bacteriostatic activity (extract):

Method	Checkpoint	Activity	Reduction in %	Interpretation
JIS Z 2801:2000	Candida albicans 10231	> 3.80	> 99.98	good effect
JIS Z 2801:2000	Escherichia coli ATCC 11229	> 4.60	> 99.99	good effect
JIS Z 2801:2000	Pseudomonas aeruginosa ATC 15442	> 4.60	> 99.99	good effect
JIS Z 2801:2000	Staphylococcus aureus ATCC 6538P	> 4.10	> 99.99	good effect

JIS Z: Japanese Industrial Standard/Test on antimicrobial activity/efficacy of plastics, in 2007 internationally standardized as ISO 22196

Activity/Reduction in %: logarithmic and percentage value of germ reduction (for comparison: bactericidal activity is defined as germ reduction > 5 log and > 99.999 %, resp.)