



# Medi-Shower™



## Medi-Flex Tail™ – Introduction & Benefits

**Medi-Flex Tail™** is an anti-microbial hose assembly designed for healthcare facilities and all public buildings.

### The Medi-Flex Tail assembly includes:

- an anti-microbial hose and two anti-microbial washers
- hose has a stainless steel braided mid layer and is anti-microbial both inside and out.
- comes in standard lengths of 300mm, 500mm and 1 meter
- bespoke lengths available on request.

**The Medi-Flex Tail was developed to replace standard flexible hoses on endoscopy machines but is also recommended for general use in sinks, bathrooms, kitchens, water fountains etc.**

Medi-Flex Tail is designed and manufactured in the UK.

### Scientific Evidence

#### **CLINICAL TRANSLATION RESEARCH AND INNOVATION CENTRE REPORT (C-TRIC)**

[Click here for full report](#)

In summary to this report, studies found that over a four day period at room temperature, growth of *Pseudomonas aeruginosa* in the **Medi-Shower™** hose was approximately 30-fold less when compared to the standard shower hose. NB The **Medi-Shower™** hose and **Medi-Flex Tail™** utilize the same silver ion technology.

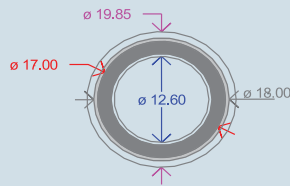
See reverse for technical specification and more independent bacterial testing results.

**Medi-Flex Tail™** offers a solution to hygiene problems associated with standard flexible hoses.

# Medi-Flex Tail™ – Specification

## 12.6mm x 19.85mm Medi-Flex Tail BS6920

NeuVend Si Liner covered with Stainless Steel & Non Phthalate Anti-Microbial Cover



### Dimensional Details

I.D. (Bore Size)	12.6mm
O.D. (Liner)	17.00mm
O.D. (Stainless Steel)	18.00mm
O.D. (Total)	19.85mm

### Tolerances

± 0.15mm
± 0.165mm
± 0.25mm
± 0.25mm

### Material Type

Core Tube Liner	LDPE
Core Tube Cover	Polyolefin Co-polymer
Stainless Steel	314 Stainless Steel
Outer Cover	Anti-microbial Non Phthalate PVC

### Masterbatch & other Data

Anti-microbial Additive
Black Pigment
Ivory-White Additive

### Data

### Units

### Nominal Value

Inner Hose Approval	BS6920-1:2000	Approval No. 1202505
Working Pressure	PSI (Bar) @ 20°C	174 (12)
Working Pressure	PSI (Bar) @ 65°C	85 (6)
Minimum Life Cycle	Years (@ 23°C & Ambient Humidity)	3
Printed	Medi-Flex Tail Batch No. At 150mm Intervals.	

### Determination of Antibacterial Activity of Liner using Test Based on MOD ISO 22196

SAMPLE	BACTERIAL SPECIES	CONTACT TIME		REDUCTION (CONTROL)	
		0 Hrs	24 Hrs	Log 10	%
NeuVend Si	E-coil	1.60E+04	< 100.00	≥ 2.20	≥ 99.37
NeuVend Si (Aged)	E-coil	1.80E+04	< 25.00	≥ 3.97	≥ 99.99
NeuVend Si	Staph aureus	1.90E+04	< 100.00	≥ 2.28	≥ 99.47
NeuVend Si (Aged)	Staph aureus	2.00E+04	5.30E+01	2.2	99.37
NeuVend Si	Ps. Aeruginosa	1.60E+04	3.50E+03	1.3	94.74
NeuVend Si	L. pneumophila	1.90E+05	4.40E+03	1.6	97.69

### Toxicological Information Liner

All monomers comply with the EC Commission Directive 90/128/EEC of 23.2.1990 (corrected edition 13.12.1990) section A (as amended by 92/39/EEC of May 14, 1992, 93/9/EEC of March 15, 1993, 95/3/EC of December 19, 1994, and 96/11/EC of March 5, 1996).

The chemical composition of the listed polyethylene grades comply with USA-FDA paragraph 21 CFR 177.1520 (olefin polymers).

### Toxicological Information Cover Material

"The material expected to comply with the requirements of BS2463, Freedom from Toxicity, which has been extended to measure Zinc content and UV absorption, and US Pharmacopoeia biological tests for plastics. Material is expected to meet the chemical toxicity requirements of European Pharmacopoeia monograph 3.1.2. Material is free from Bisphenol A. Material under Reach regulations is also Free of any Substances of Very High Concern (SVHC free)"

"Contains the Biocidal Product Silver-Magnesium-Aluminium-Phosphorus Complex"

### Plasticisers & Bonding Agents

No Solvent bonding agents or plasticisers are used in the manufacture of these materials or hoses therefore there will be no post production leaching out of any such chemicals.

Name

Position

Signature

Date

Multishower GB Ltd, **Medi-Shower™**

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**Neocare UK Ltd**

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Medi-Shower wins "Best Product for Enhancing Infection Prevention" at the 2014 Building Better Healthcare Awards.