

Technical Data Sheet

Description

Medi-Shower's unique design is coupled with an antimicrobial additive. The Medi-Shower system is designed and manufactured in the UK. 100% dry air test is carried out prior to shipping.

Medi-Shower has a 5-year warranty and is guaranteed for 5 years against limescale clogging when shower head inserts are replaced on a quarterly basis.

Antimicrobial properties built in to protect the product from microbial degradation.

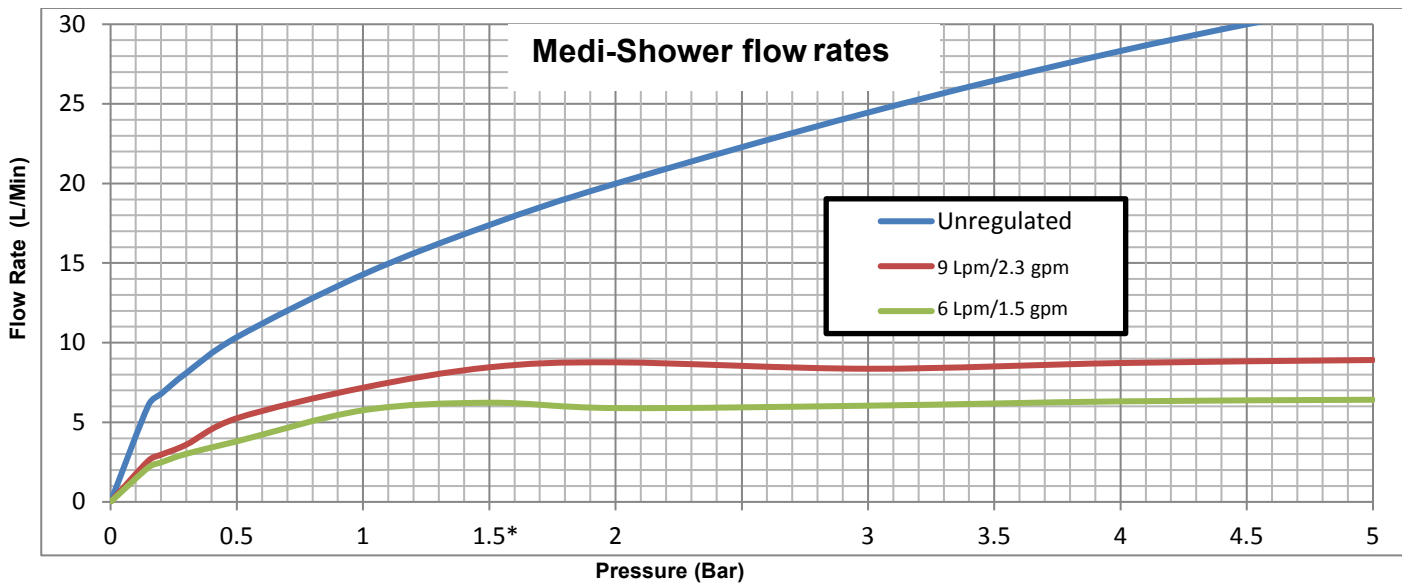
Composition / Information on Ingredients of Silver Additive
Silver containing glass

Technical Characteristics:

- Shower head made from Acrylonitrile Butadiene Styrene and includes Biomaster Additive to protect the product from microbial degradation
- Fitting: 1/2" standard connectors
- Working pressure: 7 psi up to 70 psi
- Regulator recommended fitted to mixer end of hose over 22 psi
- Maximum working temperature: 150 °F
- Clean by Design: Delivers water directly through a smooth bore tapered channel to a color coded micro sized shower head insert, with no other complicated internal components. Both incorporating an antimicrobial additive to protect the product.
- Cost Saving: The United Kingdoms, National Health Service (NHS) Sustainable Development Unit found savings of \$254 for each Medi-Shower unit over 5 years, compared to traditional de-scale and clean system*.

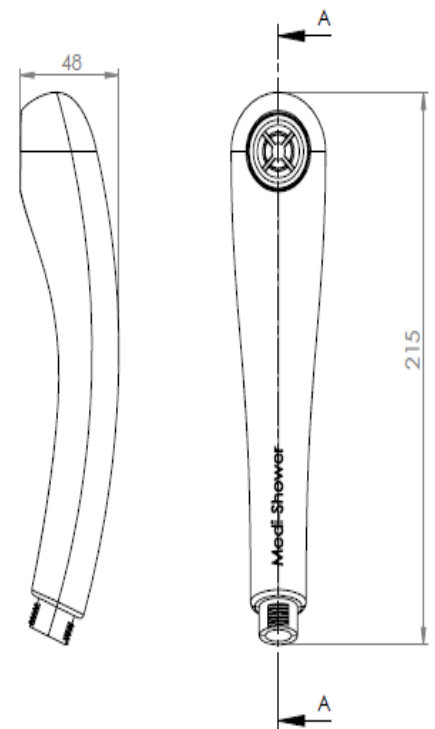
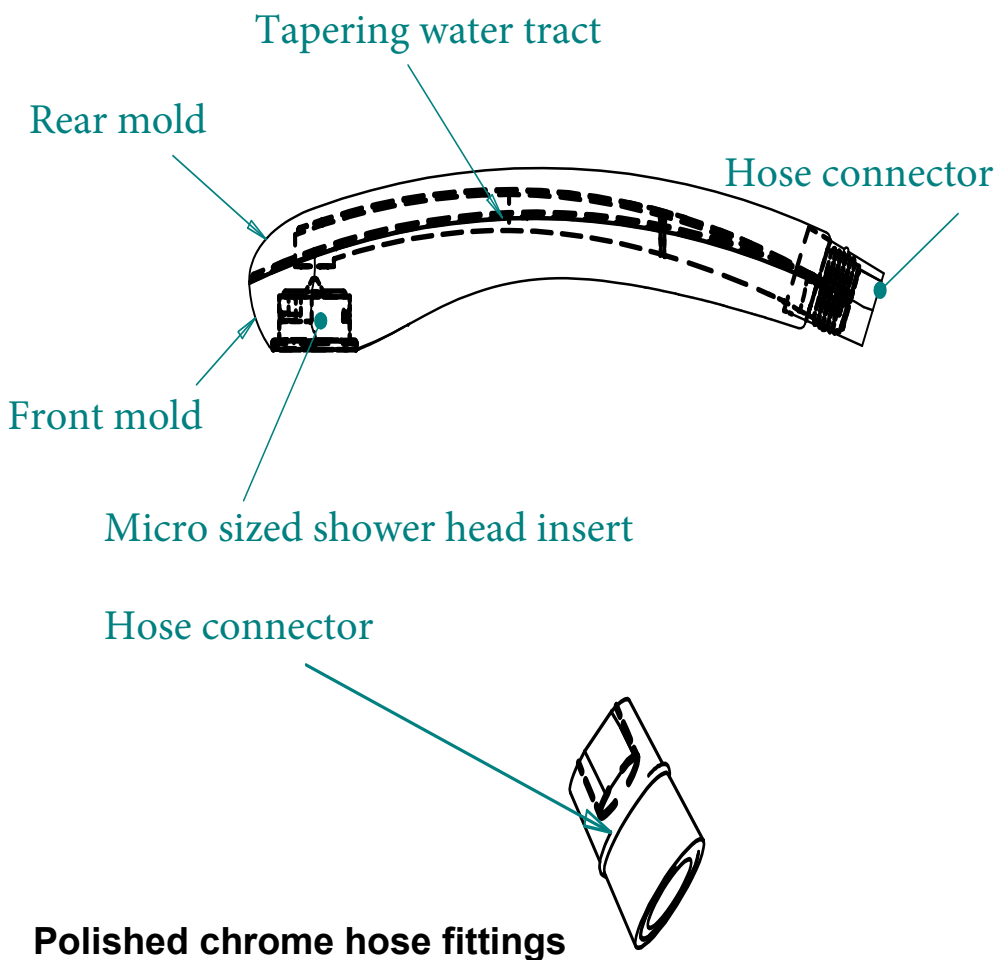
* Health Estates Journal (HEJ) published November 2016 'Sustainable showering system at Northern Devon Healthcare NHS Trust'

- Water Saving: The system operates effectively at 1.5 or 2.37 gpm with a regulator fitted, other flow rates available
- Time Saving: Micro sized shower head inserts are replaced in seconds
- 100% Auditable: Color coded system offers instant confirmation that replacement regimes have been implemented
- Easy clean system: Simple to disassemble and clean
- Sustainable: Medi-Shower offers zero waste over the product's entire lifetime, as the micro sized 3 gram shower head inserts may be recycled
- Antimicrobial properties are built in to help protect the product



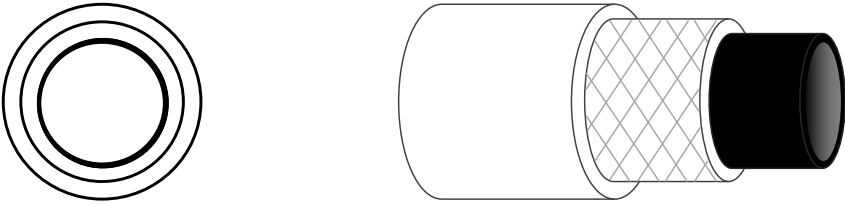
*Recommended regulator fitted in hose at mixer end above 1.5 bar pressure / 21.7 psi

Medi-Shower head and hose - standard hose length 1.5 m



Measurements in mm

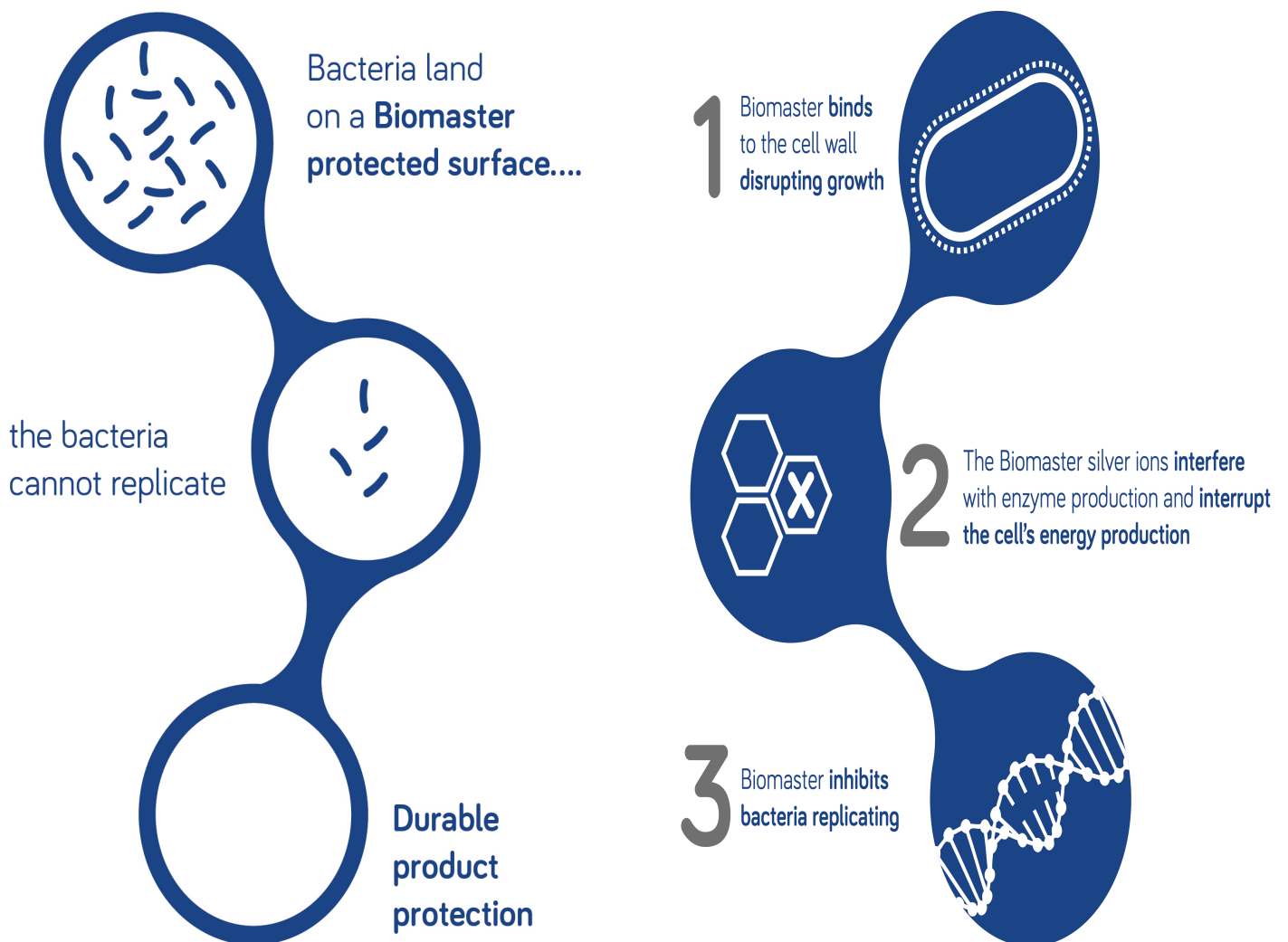
Polished chrome hose fittings

Medi-Shower Hose Specification		
Product Description	9.5 mm x 16 mm Reinforced Anti-Microbial Hytrel® Lined PVC Hose	
Part No.	MEDISHOWER004	
		
Dimensional Details		Tolerances
Liner Thickness	0.5 mm	± 0.15 mm
I.D. (Bore Size)	9.5 mm	± 0.20 mm
O.D. (Cover)	16 mm	± 0.20 mm
Material Type		Masterbatch & other Data
Liner	Hytrel® Polyester	Black
Mid Layer	Shore a 75 Flexible PVC	White PVC Masterbatch
Cover	Shore a 63 Flexible PVC	White PVC Masterbatch
Data	Units	Nominal Value
Burst Pressure*	PSI @ 23 °C	725
Working Pressure	PSI @ 23 °C	145 *
Internal Dimensions	mm	Conforms to EN ISO 1307
Layer Adhesion	N/A	Checked against Sample
Weight Per Meter	Kgs (Nominal)	0.1618
Operating Temperature Range	°F Recommended	- 4 to 150
Bend Radius	mm	40
WRAS Number	Materials Approval	1504521
Minimum Life Cycle#	Years (@ 23°C & Ambient Humidity)	1
Medi-Shower		
Materials have been tested to and meet the requirements of BS6920-1:2000 and/or 2014 - Hot & Cold to 158 °F		
<p>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.</p> <p>Material under Reach regulations is also Free of any Substances of Very High Concern (SVHC free)</p>		
<p>The hose and materials have passed both the extraction of substances of concern to public health and the extraction of Metals testing as per BS6920:2000</p>		
<p>"Inner and Outer Layers Contain the Biocidal Product silver – magnesium – calcium – phosphate – borate"</p>		

Biomaster contains a sparingly soluble antimicrobial additive which provides a slow release of silver ions to protect the product.

Biomaster antimicrobial additives can be processed at temperatures up to 1112 °F without losing their antimicrobial properties.

Antimicrobial properties are built in to protect the product.



Regulatory Statement

Medi-Shower hereby confirms that, based on information provided to us by our raw material suppliers, the master batch used in production does not contain, as intentional additives, any of the following substances at the levels referenced and to the best of our knowledge none of these substances are generated during our manufacturing process. These substances may be present as trace impurities, but their total (summed) concentration is expected to be less than 100 ppm (0.01%). Medi-Shower does not specifically test for these substances in our raw materials or manufactured products.

Cadmium (Cd) and its compounds
Hexavalent chromium (Hex-Cr) and its compounds
Mercury (Hg) and its compounds
Lead (Pb) and its compounds

Medi-Shower confirms that the Medi-Shower products do not contain Di-(2-ethylhexyl) phthalate substances as known components of the product formulation, nor to the best of our knowledge, would we expect them to be present as NIAS (non-intentionally added substances), although it should be noted that specific testing has not been performed in this respect.

Medi-Shower do not intentionally add Bisphenol A to any of our products. Medi-Shower can confirm that although we do not test for the presence of Bisphenol A, to the best of our knowledge through communications with our suppliers, the master batch used in production does not contain BISPHENOL A; California Proposition 65

Product(s): UM3958 & UM66083

Date: 27 February 2019

In accordance with The Safe Drinking Water and Toxic Enforcement Act of 1986 of the State of California, USA, it is required that the Governor of California revises and republishes, at least once per year, the list of chemicals known to the State to cause cancer or reproductive toxicity.

The last such list was published on 23rd November 2018.

Medi-Shower hereby confirms that Titanium Dioxide is present in the master batch product and is listed under the specifications of the California Proposition 65 list. The Titanium Dioxide is however encapsulated within a polymeric matrix and is not airborne or in unbound particles of respirable size. Therefore, it is highly unlikely to present any significant risk in respect of cancer or reproductive toxicity under normal conditions of handling and use. However, it should be noted that as with most polymeric products, potentially hazardous fumes can be emitted during thermal decomposition.

Manufacturing Accreditations

Water Regulations Advisory Scheme

WRAS approval demonstrates compliance for a material or water fitting, which when installed, will carry or receive water from the public mains water supply in the UK, must comply with the Water Supply (Water Fittings) Regulations or Scottish Byelaws. These require that a water fitting should not cause waste, misuse, undue consumption or contamination of the water supply and must be 'of an appropriate quality and standard'.

International Organization for Standardization

ISO 9001 and ISO 14001, are part of the most widely recognized quality management system standard in the world.

Occupational Health and Safety Assessment Series

OHSAS 18001 is a British Standard for occupational health and safety management systems. Compliance with it enables organizations to demonstrate that they have a system in place for occupational health and safety.

Medi-Shower is a trade mark of Multishower GB Ltd

Medi-Shower

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