



# Supply patients of medical gases and protect staff

Gem Shield Medical Gas Terminal Units







## Exceptional reliability

The BeaconMedæx Gem Shield Medical Gas Terminal Unit's exceptional reliability is a testament to its unique pedigree. As the next generation of medical gas terminal units - the GEM Shield provides antimicrobial protection for patient safety and improved maintenance. These unique terminal units offer:

- Easy to connect and disconnect gas probes
- Easy to clean flush outer ring with pad printed gas ID
- Exceptional pressure drop performance
- 100% leak testing provides peace of mind
- Low pressure drop performance for high flow supply
- More than 1.5 million terminal units supplied

## Protection of staff and patients

The GEM Shield Terminal Units include an antimicrobial additive to assist with infection control. This additive actively reduces the growth of bacteria thus limiting the chance of cross infection. A safety taggant enables the user to verify the unit includes the antimicrobial additive, offering complete peace of mind.

## Guaranteed durability and quality

Endurance and Strength Tests		
	Gem Shield	ISO 9170
State Loading	150 N <sup>1</sup>	20 N
Pull Test	1650 N <sup>2</sup>	500 N
Cycle Test - Leakage	10,000 without any service	10,000 with service every 1,000
Pressure Drop Test 200l/min at 4 bar	0.164	<0.700

1. Terminal unit did not break. Test was stopped.  
2. ISO 9710 requirements

BeaconMedæx Gem Shield ranges are fully compliant with DIN 13260-2 and BS 5682 standards.

In our Medical Gas Terminal Units, we use fire-retardant polypropylene, which is extremely durable and prevents discolourisation. The 10,000 cycle tests ran on our terminal units confirm their exceptional durability.



## Attention to detail



### Unique and innovative check valve

enables us to provide a 36 month warranty as standard



### Easy to clean flush gas identification ring

eliminates the dust trap associated with other designs



### Engineered break point

prevents pipework from rupturing during bed jacking



### High precision gas indexing

ensures a strong, secure connection every time



### Clever design

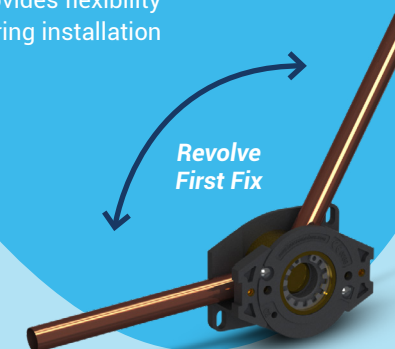
provides easy access for improved maintenance



Gem Shield Second Fix

### First fix with 180-degree stub pipe rotation

provides flexibility during installation



Revolve First Fix



Modern look with an enhanced curved appearance

## Accessories

- Stainless steel fascia plates for improved aesthetics
- Stainless steel probes for connecting downstream equipment
- A full range of equipment and accessories for connection to patients
- Fascia plates for wall mounted installations with antimicrobial protection
- Jig plates for quick and uniform installation

## Multiple mounting options

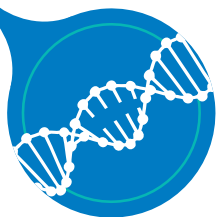
- Modular/Wall
- Pendant Rear NIST
- Retractable Pendant
- Flexible Pendant

**1** Biomaster **binds** to the cell wall **disrupting growth**



**2** The Biomaster ions **interfere** with enzyme production **stopping** the cell **producing energy**

**3** Biomaster **interrupts** the cell's DNA **preventing replication**



## Biomaster antimicrobial additive

All user accessible parts incorporate an antimicrobial additive to minimise cross infection. Independent testing proves a reduction against E. coli and MRSA bacteria. Since the additive is included in the mixture of the plastic, the inherent properties last the lifetime of the product.

Biomaster antimicrobial additives use a silver ion based technology. This prevents the growth of harmful bacteria, lasts the lifetime of the product and is safe and nontoxic.

## Verimaster safety taggant

All user accessible parts incorporate a safety taggant, which is mixed together with the antimicrobial additive. This is used to check we have truly added the mixture during manufacturing as part of our quality control procedures.

With the safety taggant check we can verify if it is a genuine BeaconMedæS product or not - for added security measures, and ultimate peace of mind.

Biomaster protected surface

Bacteria lands on the **Biomaster surface....**

The bacteria can't survive



**Permanent product protection**



*Life is in the details.®*

