



# Zeus SP & East SP

Medical Gas Terminal Units

# Combining ease and speed of installation

The Pneumatech Medical Gas Solutions (PMGS) Zeus SP and East SP medical gas terminal units are designed to accept medical gas probes to BS 5682:1998. They provide a safe means of supplying medical equipment with medical gases from the central gas supply system.

## Zeus SP terminal unit



The construction of PMGS' Zeus SP is of machined brass and injection moulded polymer with stainless steel Teflon™ coated rolling pins. Each of the gas specific components have the gas service placed onto it to ensure safety and compliance with the standard. The wall mounted terminal units incorporate an anti-swivel pin to prevent rotation of installed equipment.

PMGS medical gas terminal units are enclosed in a white ABS decorative mounting box and the fascia have rounded corners to avoid the possibility of injury. The box can be supplied with a flush mounting bezel as a plaster finish.

### Design

All PMGS' Zeus SP terminal units individually undergo a pressure and leak test to ensure the safety of our products. Integral check valves allow removal of the housing and socket assemblies for maintenance without closing down the entire pipeline. Removal of second fix can easily be achieved without dismantling other parts.

A combination of Teflon™ and stainless steel rolling pins gives a smooth action for the insertion and removal of the probe.

### Safety

To ensure safety, PMGS makes use of clear gas indication on the Zeus SP terminal units, which significantly reduces the risk of connecting a second fix from one service to the first fix of another service, either during installation or service. A positive action of the rolling pin latch mechanism holds the probe securely.

# East SP terminal unit

## Gases and Services

The gases and services Pneumatech MGS provides:

- Oxygen
- Nitrous Oxide
- 50% Oxygen / 50% Nitrous Oxide
- Medical Air (400 kPa)
- Surgical Air (400 kPa)
- Medical Vacuum
- Nitrogen
- Carbon Dioxide

## Component list

- First fix with testing plug
- Second fix with valve
- Installation kit

The East SP medical gas terminal unit incorporates a sheerplane that ensures a fail-safe condition after accidental damage or bed jacking (causing no damage to first fix and enabling easy replacement without isolation). Construction of the terminal unit is of machined brass and die-cast chrome collar with stainless steel rolling pins. Each of the gas specific components has the gas service engraved onto it, to ensure safety and compliance with the standard.

As with the Zeus SP, the East SP terminal unit is enclosed in a white ABS decorative mounting box with an ABS fascia.



## Design

Pneumatech MGS' East SP terminal units consist out of an all metal construction. As the Zeus SP range, these terminal units undergo strict pressure and leak tests to ensure the safety of our products. A full metal to metal seal on the maintenance check valve ensures no degradation over time. Stainless steel rolling pins give a smooth action for the insertion and removal of the probe.

## Safety

The East SP medical gas terminal units of PMGS contain clear gas indication, reducing the risk of connecting a socket assembly of one gas to terminal block to another, either during installation or maintenance. An anti rotational locking bar and the gas indexing pin are cast into the East SP socket assembly and can't come loose or be removed.

Key Points
Factory tested and certified.
High quality components.
Integral check valve.
Conversion terminal units available.
MRI compatible.
All metal construction (only for East SP)

Compliance
HTM02-01, HTM2022, C11 and all related BS EN ISO standards.

Easy installation
Available as a complete kit, or as separate first and second fix components so that supply can be matched to the progress of site work at larger installations.
First fix incorporates a copper stub for ease of installation using inert gas jointing procedures.

Service and maintenance
Throughout the UK our network of service engineers provides full Service and Maintenance support of the highest quality.
Outside the UK our fully trained distributors provide a similar local service.
Three year warranty from date of manufacture, excluding components designated as service items to be replaced by the customer as part of the published service schedule.

Mounting Options
Wall mounted, flush or surface fitting
Bedhead trunking
Pendant or boom, NIST connection

Formerly known as Penlon Medical Gas Solutions



[www.p-mgs.com](http://www.p-mgs.com)

The colour of the actual products may vary from the colour shown in this brochure. Slight differences in detail might appear.