



E M S

## Ambulance Equipment & Services

### Products:

- Piped Medical Gas Systems
- Manual Twin Cylinder Change-Over Units
- Automatic Twin Cylinder Change-Over Units
- Low Pressure Warning Systems
- Pressure Regulators
- Flowmeters
- Pain Relief Demand Units (ENTONOX®)
- Portable Suction Units (Battery + AC & DC)

### Services:

- Repair/Service (in-house & on-site)
- Preventive Maintenance Contracts
- Piped Gas System Design Service
- Technical Support
- Product Training



**Oxy**litre  
GROUP OF COMPANIES

MAKES THE DIFFERENCE  
Established 1961

# Profile

## Introduction

Established over 60 years ago (1961) Oxylitre has grown to become one of the major manufacturers of medical devices for the emergency services (EMS), both here in the UK and overseas. Our focus is on developing strong, personal relationships with our customers to adhere to their requirements, providing a reliable, cost effective solution with reputable products and compliance. Oxylitre are committed to delivering complete satisfaction, with the professional level and quality of service you require, providing you with peace of mind. Our speciality is in the design and manufacture of the following product ranges:

- Piped Medical Gas Systems
- Twin Cylinder Change-Over Units (Manual & Automatic)
- Pressure Regulators
- Flowmeters
- ENTONOX® Demand Pain Relief Units
- Portable Suction Units (Battery + AC & DC)

## Innovation

Innovation doesn't happen by chance, but by listening to, and addressing the concerns of our customers all over the world. Using the latest cutting edge technology, Oxylitre's research & development team look to develop existing products as well as designing new ones, from concept to prototype, from prototype to production, we ensure that the EMS markets have the products available to meet their present day and future requirements.

## Reliability

Every component of every piece of equipment we supply is engineered to the highest standards to provide maximum operational reliability and is designed to deliver throughout its life, the same dependable performance as the day it was first manufactured under current CE manufacturing standards.



## Performance

Oxylitre's range of Oxygen, Suction and ENTONOX® therapy equipment brings to the EMS market a unique combination of precision and performance together with cost-effective technology.

## Support

Oxylitre's high quality equipment is complimented by a wide range of the following services:

System Design Consultancy

Technical Support

Product Training

In-House Service & Repairs

Equipment Surveys

## On-Site Servicing

Oxylitre Medical Services provides a comprehensive range of service options for customers within the UK, all supported by fully certified field engineers and backed by the expertise of Oxylitre's Technical Support Personnel.

**On-Site Quarterly, Half Yearly or Annual Service Contracts**

**On-Site or In-House Maintenance Agreements**

**On-Site or In-House Repair Facilities**

## Warranty

Oxylitre manufactured products carry a Seven (7) year Mfg warranty.  
Oxylitre Piped Gas Systems carry a minimum Five (5) year Mfg warranty.

Oxylitre Rechargeable Batteries carry a One (1) year warranty

## Standards Information

All Oxylitre products are designed & manufactured in accordance with the following international Standards & European Directives:  
BS EN ISO 9001:2008. BS EN ISO 13845:2012. MDD 93/42/EEC.



# Piped Gas Systems

Here at Oxylitre, we manufacture a wide range of Piped Gas Systems for; OXYGEN, MEDICAL AIR, ENTONOX® & VACUUM. Each System is produced to the customers' specification, assembled, pressure tested and certified prior to delivery.

All of our pipelines are incorporated with Oxylitre's New British Standard outlet safety box covers, ensuring patient and user safety. Our high pressure, Phthalate Free, Antimicrobial & anti-static hoses are made to all current standards, and are coloured accordingly for the appropriate gas type. Oxylitre offers many configurations of pipeline systems, these vary in length and number of outlets and are made to the customers specifications.

All Pipelines are designed and manufactured in accordance with the following International Standards & European Directives: BS 5682:2015 & BS EN 1789:2007



Sample of an Oxylitre Ambulance Piped Gas System

## Pipeline Change-Over & Warning Systems



### MANUAL TWIN CYLINDER CHANGE-OVER SYSTEM:

For those vehicles that require TWO cylinders, Oxylitre has developed this simple, but effective, MANUAL Change-Over system. Usually mounted on the wall above the cylinders, it shows the line working pressure. When the pressure drops you simply switch the lever to the opposite cylinder, changing the empty cylinder when next convenient.

**AP400**  
**AP400A**  
**AP400E**

Oxygen  
Med Air  
ENTONOX®



### LINE PRESSURE WARNING SYSTEM:

The line pressure warning system, is a newly developed device. Designed to give an audio warning of low pressure in a pipeline system. This unit operates from a 12V DC supply, 4bar input pressure with a 90dB alarm. This unit works with any Piped Gas System.

**APW100**

Any Gas



### AUTOMATIC TWIN CYLINDER CHANGE-OVER SYSTEM:

When a more sophisticated system is required. This system manages the Change-Over process automatically, switching over to the other cylinder when the oxygen runs low. The unit incorporates green flow direction indication lights, red empty cylinder lights, a change indication buzzer, mute button and a system test button. The unit is also Ambulance Control Module compatible.

**AP4600**  
**AP4600A**

Oxygen  
Med Air



### REAL TIME AUTOMATIC TWIN CYLINDER CHANGE-OVER SYSTEM:

More Intelligent than the AP4600, the AP4700 has all the same abilities of the basic system, but also provides the user with 'Real Time' cylinder pressures. The AP4700 comes complete with 2 x pressure regulators, equipped with pressure sensors. The unit is also available in a FLUSH mounted version. The unit is also Ambulance Control Module compatible.

**AP4700**  
**AP4700A**

Oxygen  
Med Air

# Regulators & Flowmeters



## COMPACT REGULATOR BN & SELF SEALING VALVE

- Bull Nose Cylinder Fitting
- Stainless Steel Body
- Pre-Set 4 Bar
- BS Gas Indexed Self Sealing Valve
- HP Contents Gauge (luminous dial)

**R1401** Oxygen  
**R1421** Med Air



## COMPACT REGULATOR PI & SELF SEALING VALVE

- Pin-Index Cylinder Fitting
- Stainless Steel Body
- Pre-Set 4 Bar
- BS Gas Indexed Self Sealing Valve
- HP Contents Gauge (luminous dial)

**R14015** Oxygen  
**R14215** Med Air



## COMPACT SELECT-A-FLOW REGULATOR PI

- Pin-Index Cylinder Fitting
- Stainless Steel Body
- Pre-Set 4 Bar
- Gas Indexed Control Knob
- HP Contents Gauge (luminous dial)
- Select-A-Flow Flowmeter (11 settings)

**R14035** Oxygen (0-15Lpm)  
**R140335** Oxygen (0-3Lpm)  
**R14035A** Med Air (0-15Lpm)



## COMPACT SELECT-A-FLOW REGULATOR & S/SEALING VALVE

- Pin-Index Cylinder Fitting
- Stainless Steel Body
- Pre-Set 4 Bar
- Gas Indexed Control Knob
- BS Gas Indexed Self Indexed Valve
- HP Contents Gauge (luminous dial)
- Select-A-Flow Flowmeter (11 settings)

**R14055** Oxygen (0-15Lpm)  
**R14255** Med Air (0-15Lpm)



## SINGLE FLOWMETER (SELECT-A-FLOW TYPE)

- Anodised Aluminium Body
- Dial in Flow Settings (11 Settings)
- Gas Indexed Control Knob
- With BS Probe
- Tube Nipple

**F1681** Oxygen (0-15Lpm)  
**F1683** Oxygen (0-3Lpm)  
**F1680** Oxygen (0-1.1Lpm)  
**F1684** Oxygen (2-4-6Lpm)  
**F1681A** Med Air (0-15Lpm)



## ENTONOX® REGULATOR PI & SELF SEALING VALVE

- Pin-Index Cylinder Fitting
- Stainless Steel Body
- Pre-Set 4 Bar
- BS Gas Indexed Self Sealing Valve
- HP Contents Gauge (luminous dial)

**R14015/E** ENTONOX®



## SINGLE FLOWMETER

- Brass Chrome Plated Body
- Calibrated Tube & Bobbin
- Complete with BS Probe
- Tubing Nipple

**F1601** Oxygen (0-15Lpm)  
**F1601H** Oxygen & Humidifier  
**F1621** Oxygen (0-4Lpm)  
**F1611** Med Air (0-15Lpm)



## HUMIDIFIER ASSEMBLY (BUBBLE TYPE)

- Capacity 250ml
- Autoclavable to 121°C

**H110** Oxygen or Air

**Note:** All above medical regulators are for use with 138 Bar (2000 Psi) cylinders. Equivalent regulators are also available for 200 Bar (2900) Psi cylinders

# Pain Relief Demand Units (ENTONOX®)



## ENTONOX® DEMAND UNIT AND REGULATOR

- 1 x Adult Face Mask (disposable type)
- 5 x Mouthpieces
- 1 x Bacterial Filter
- 1 x Pin-Index Cylinder Key

**PRU2001** Hose Length 1.5m  
**PRU2001L** Hose Length 3.0m



## PRU050

- Carry Case only
- Luminous Stitching
- AEGIS Antimicrobial Technology



## ENTONOX® DEMAND UNIT AND REGULATOR IN CARRY BAG

- 1 x Adult Face Mask (disposable type)
- 1 x Child Face Mask (disposable type)
- 5 x Mouthpieces
- 1 x Bacterial Filter
- 1 x Pin-Index Cylinder Key

**PRU2002** Hose Length 1.5m  
**PRU2002L** Hose Length 3.0m



## PRU01035

- Bacterial Filter & Mouthpiece (50 per box)



## ENTONOX® DEMAND UNIT AND BS PROBE ONLY

- 1 x Adult Face Mask (disposable type)
- 5 x Mouthpieces
- 1 x Bacterial Filter

Also available for connecting direct to piped ENTONOX® gas systems.  
 (Longer hose lengths also available)

**PRU2003** Hose Length 1.5m  
**PRU2003L** Hose Length 3.0m



## PRU2003/W

- Demand Unit Wall Mounting Bracket (with screws)

**7 Year Warranty**  
**5 Year Service Intervals**  
**Exhaust Vent Away From Patient**  
**Antimicrobial Resistance Infused**  
**360° Rotating Head**  
**Low Patient Effort**  
**Uses Standard In-Line Filters**  
**Available In PVC Or Silicone**  
**Ergonomically Designed For Comfort**  
**Robust, Lightweight Body**



## FACE MASKS

	Disposable	Silicone (re-usable)
Adult	<b>011-4</b>	<b>012-4</b>
Child	<b>011-2</b>	<b>012-2</b>

All Oxylitre Pain Relief Demand Units are also available in Silicone Hose.

Please Contact Sales for further information

# Portable Suction Units

The 'Petite Elite' Portable Suction System brings innovative design, durability, high performance and flexibility to the market. Incorporating a touch sensitive luminous control panel, giving the user a quick, effective response from the system in emergency situations. Oxylitre offers reusable or semi-disposable jars dependant on the customers specification. The unit also comes with an environmentally friendly Nickel Metal Hydride rechargeable battery, which outperforms the competition.



## PORTABLE HIGH SUCTION PUMP (RE-USABLE JAR)

- 1000ml Reusable Jar Assy
- 80 to 500+mmHg range
- Shock & Splash Proof
- Hydrophobic Filter Disk
- Variable Suction

**PSP001** Oxylitre 1000ml Jar



## UNIVERSAL DOCKING STATION

The Docking Station is available for wall mounting with the germane power supply (12v to 28v DC) permanently attached. The 'petite elite' suction pump can be attached to the docking station for stowage and continual charge. A quick release lever has been mounted at the top for ease of use. The unit has been tested to >20g.

**PSP701A** 12v DC  
**PSP701B** 24v - 28v DC



## PORTABLE HIGH SUCTION PUMP (DISPOSABLE JAR)

- 1000ml Disposable Jar
- 80 to 550+mmHg range
- Shock & Splash Proof
- Hydrophobic Filter Disk
- Variable Suction

**PSP003** SERRES 1000ml Jar



## TUBE RETAINING BRACKET

- Easy to use design
- Protects tubing from damage / loss
- Tubing easily accessible

**PSP100-8B** Bracket only

## SUCTION PUMPS (WITH JAR OPTIONS)

**PSP001**  
Standard 1Ltr Reusable Jar Assembly

**PSP002**  
RECEPTAL 1Ltr Disposable Jar Assembly

**PSP003**  
SERRES 1Ltr Disposable Jar Assembly

**PSP004**  
VACSAX 1Ltr Disposable Jar Assembly

## HIGH SUCTION COMPLETE WITH TUBING BRACKET

**PSP001B**  
Standard 1Ltr Reusable Jar Assembly

**PSP002B**  
RECEPTAL 1Ltr Disposable Jar Assembly

**PSP003B**  
SERRES 1Ltr Disposable Jar Assembly

**PSP004B**  
VACSAX 1Ltr Disposable Jar Assembly

## Technical Specification:

Dimensions: Height: 310mm, Width: 305mm, Depth: 170mm  
Weight: 4.90kg  
Power: 12v - 28v DC & 115v - 240v AC  
Battery: Internal, 12v DC, 4.3Ah Rechargeable  
Vacuum: HIGH - 80mmHg to >500mmHg  
LOW - 10mmHg to 150mmHg  
Flow Rate: >25Lpm  
Battery Duration: >1hr 20m



## Products & Services Provided by Oxylitre:

- New Products
- In-House Design
- Technical Support
- Quality Department
- Service & Repair
- Flowmeters

## Contacts

Product Sales: t: +44 (0)161-872-6322  
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