

5. Technical Data

7 bar (MA7) to 4 bar* (MA4) reduction (or MA4 to MA4)

Maximum Pressure (Regulator Section) 20 bar.

Recommended Operating/Storage Temperature is ambient (Recommended limits 0° to +40°C, keep item stored in packaging if not in use).

Typical flow at 10 bar (maximum) inlet pressure (p_m), 6.3 bar set pressure and a drop of 1 bar from set: 6.5 dm³/s.

Gauge accuracy to EN 873-1 is 2.5% (indicated on gauge).

Materials (Regulator Section)

Body: Zinc

Bonnet: Acetal

Valve: Brass/nitrile

Valve seat: Acetal

Elastomers: Nitrile

*Minimum inlet and outlet pressure (p_s).

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Consult Instructions



Fragile – Handle with care



Keep product dry



Operating / storage temp

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PR Series Low Pressure Regulators

Operating & Safety Instructions



Made in the UK



1. Introduction

The Oxylitre PR100 Series Low Pressure Regulator has been designed specifically for medical use and has been designed to the requirements of BS EN ISO 10524-4 and the 93/42/EEC European Directives.

There are several variations of the standard Low Pressure Regulator which have been designed to be used in all types of Medical Environments. From the basic Regulator design, there are variants available with different Low pressure input and output connectors.

Each product is also fitted with a pressure output Indicator Gauge that gives an accurate output pressure readings scaled in either "PSI" (pounds per square inch) or Bar.

Although the Regulator is fitted with an adjustable Control Knob, the normal configuration is that the regulator is locked.

Regulators is available with the following Input to Output connectors:

- BS Probe Inlet connector to a BS EN Self Sealing Valve (quick release) output connector.

The PR100 Series product is available for use with Air only.



2. Instructions for use

The Low Pressure Regulator has been specifically designed to fit into a Low Pressure Supply Outlet (i.e. Terminal Wall Outlet, Outlet on Anaesthetic Machine) via a fitted Gas specific index Probe type connection.

In the manufacturing process, the Regulators are pre-set to a fixed pressure outlet setting; however the user may adjust the pressure setting by pulling out the Adjuster Control Knob and turning it accordingly to the required pressure setting indicated by the Gauge. A tool is required to do this.

When set, the Control Knob can then be pushed back into the Regulator until it clicks, then the setting can be re-locked.

3. Servicing & Preventative Maintenance

PR100 units should be regularly inspected, cleaned and stored.

Fully qualified technicians only should carry out servicing. It is recommended that the unit is inspected at least annually by a Service Engineer and that a Major Service be conducted every 5 Years. For service enquiries and information, please contact our sales office. **NEVER USE FAULTY EQUIPMENT.** If in doubt do not use assembly, and obtain a replacement. Do not use and lubricants or grease. There are no other warnings and/or precautions for use.

Preventative maintenance ensures the safety of the patient and user.

Note:

Each unit carries a 7-year manufacturers' warranty.

There are no contraindications in use.

As a precaution for the safe disposal of the device please follow the current MHRA Guidelines 'Managing Medical Devices'.

Contraindications – "none known".



4. Cleaning

The PR100 unit requires cleaning on external surfaces only by using a solution of luke-warm water and "Dettol" or similar disinfectant fluid (read disinfectant instructions) and cleaning cloth.

Dry immediately with a dry cloth.

Avoid cleaning fluid from entering into any assembly orifices i.e. probes, outlets etc.

Note: The unit can be returned to Oxylitre for disposal (with a decontamination certificate), alternatively dispose of responsibly via local protocol.