



Consult instructions for use



Fragile – Handle package carefully



Product should be kept dry.



Temperature limitation -10°C to 40°C



Refer to instructions for use



MR conditional

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Oxylitre

AH Hose Assemblies



Instructions for use

Made in the UK



1. Introduction

The Oxylitre AH Series of Hose Assemblies have been designed specifically for most types of Medical Gas supply services and comply with BS EN 5359:2014 + A1:2017 and European Directive 93/42/EEC.

All hoses are colour coded according to British Standard and have gas specific fittings crimped to each end. Where the fitting are probes, NIST, DISS or terminals, the products comply with BS 5682:2015, BS EN ISO 18082, CGA V-5:2008 and BS EN ISO 9170-1:2020 respectively.

Colour coding:

White	- Oxygen
Blue	- Nitrous Oxide
Black*	- Medical Air
Yellow	- Vacuum
Blue/White*†	- Entonox®
Grey	- Carbon Dioxide

*Assemblies also have white sheaving (other sleeves match hose colour).

†Longitudinal coloured stripes.

Hose assemblies are marked with manufacturing details of actual hose and carry details of date of assembly, serial number and additional product information.

2. Safety Warning: Safety precaution for prevention of fire & explosion.

Ensure that hoses are not allowed near any heat or ignition source, this is especially important where the product supplies Oxygen.

Hose assemblies **MUST NOT** come into contact with any oil or grease for the same reason.

When not in use, hose assemblies should be stored in a clean and dry environment within a temperature range of -10 to 40°C.

3. Instructions for use

On removal from packaging ensure that there is no damage to the assembly. Connect the hose fitting to the appropriate device or gas outlet/inlet. As indicated the fittings are gas specific and should only be connected to the correct source. It is the responsibility of the end user to ensure that the correct assembly is used for the purpose intended. Only persons with adequate training should use the hose assemblies, noting the large number of possible variants of hose and fittings available.

4. Servicing & Preventative Maintenance

Hose assemblies should be regularly inspected, cleaned and stored. It is important to inspect the condition of the hose tubing itself for any damage, as well as for any damage to probes, ferrules, outlets and terminal units. A regular inspection is recommended as part of a maintenance programme. However, if the hose assembly is attached to a mobile device such as a ventilator, where it could be dragged around, then it is recommended it be checked prior to use.

It is recommended that the hose assembly should be inspected and pressure tested by a Service Engineer on an annual basis as part of a maintenance programme.

Fully qualified technicians/engineers only should carry out servicing. 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.

Preventative maintenance ensures the safety of the patient and user¹.

Note: Each assembly carries a 5 year manufacturers' warranty.

It is recommended that the full hose section of an assembly be replaced after 5 years service (in line with MDA/2003/007); this has the potential to extend operating life of the full assembly up to 10 years with regular servicing.

5. Cleaning

The hose assemblies require cleaning on external surfaces only by using a solution of Luke-warm water and a mild detergent/disinfectant (read manufacturer's instructions) and cleaning cloth. **DO NOT** autoclave.

Dry immediately with a dry cloth.

It is recommended that the assemblies are cleaned on a regular basis as part of a PPM programme.

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

DO NOT use any oil based cleaning fluids (note: **soaps can be oil based**).



MHRA Device Bulletin DB2006 (05); Managing Medical Devices; November 2006.

6. Technical Data

The gas hose assemblies are intended to operate at 4 bar (though they meet the specification to operate up to 56 bar @ 23°C) and are capable of delivering a flow of 40+ LPM (highest range Oxylitre Flowmeter gauge reading is 15 LPM).

Vacuum: ≤ 60kPa

Spare parts will depend on the particular hose assembly variant (again please contact our sales office).

Fittings are permanently crimped on.

Ensure that all connections are tightened and free of leaks prior to use. Use only an Oxygen-safe leak detector when testing for leaks.

7. MR Conditional

A spatial field gradient of 93.2T/m (= 9320 G/cm) has been determined to give rise to a 45° deflection angle (extrapolated) based on the measurements made a 3T MRI scanner according to ASTM F2052-15

Note: The hose material is phthalate free PVC and is antimicrobial.



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