7. Technical Data

Specifications

High Suction High-Flow Dial Gauge reading: 0 to -760mmHg (0 to -100kPa)
Low Suction High-Flow Dial Gauge reading: 0 to -200mmHg (0 to -25kPa)
(Note: From circa November 2015 non-flag versions of Thoracic types are no longer supplied).

Fittings

British Standard Direct Probe and Vacuum Hose Assembly.

Weight/Dimensions:

Weight	7.1kg
Height	94cm
Footprint width	65cm

Test Specifications

Suction Controller vacuum source at = -500mmHg (-66.5kPa)
Outlet flow = 40LPM
Controller reading gain from = 0 to -450mmHg
Flow indications:
@ - 100mmHg (-13.3kPa) = 20LPM
@ - 200mmHg (-26.6kPa) = 30LPM
@ - 300 to -400mmHg (-39.9 to -59.8kPa) = 32LPM
Air evacuation of a 2000mL Receiver Jar at - 500mmHg = 7 to 8 seconds

Warranty

It is recommended that a Mobile Suction Unit is maintained and inspected at least every 12 months.
Each unit comes complete with a Mfg. 7 Year Warranty.

*Models with colour banding from circa 3rd quarter 2011.

Manufactured by:

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Doc Ref: Doc-OP-4402
Issue No. 2.8 (DCN00887)
Date 12.01.2021

Oxylitre Holdings Limited

S7200 Series Mobile Pipeline Suction Unit

Operating & Safety Instructions.

Made in the UK

Instructions for Use

1. Introduction

The Oxylitre S7200 series Mobile Suction Units have been designed specifically for Medical use. Products are available in High Suction-High Flow and Low Suction-High Flow Controller versions. The Suction Controllers comply with the requirements of BS EN ISO 10079-3 and MDD 93/42/EEC.

2. Specifications

Vacuum Source Connector

The S7200 series Mobil Suction Unit is supplied with a British Standard (BS 5682) Probe connected to a remote Hose Assembly.

Patient Inlet Connection and Filter

The High Vacuum-High Flow and Low Vacuum-High Flow models are fitted with a Disposable Hydrophobic Filtration Cartridge that has been designed specifically to prevent the ingress of fluid and/or bacteria into the Suction Controller and the Vacuum Pipeline System. In all cases the Inlet Connector is an integral part of the Filter Cartridge.

Vacuum Gauge

Each Suction Controller is fitted with a easy to read, dual scale Gauge

Scale readings:

High Suction (Yellow Banding*) = 0 to -760mmHg (0 to -100kPa)

Low Suction (Black Banding*) = 0 to -200mmHg (0 to -25kPa)

Safety Valve

The units are fitted with an internal safety valve system. This will protect the Suction Controller from being damaged in the event of the unit being accidentally connected to a positive pressure source.

Receiver Jars and Tubing

The Oxylitre Mobile Suction Unit has been designed to connect to two 1800mL Fluid Receiver Jars Assemblies:

Oxylitre 1800mL Receiver Jar: Ref: S7500

Oxylitre Suction Tubing: Ref: VAC201 (per 1 meter Length) – Yellow

Receiver Jars with Hydrophobic Filter protected Disposable Liners may be used.

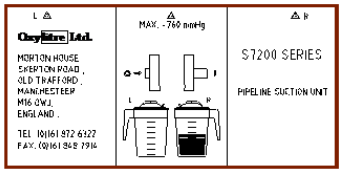
Units can alternatively be supplied complete with VaxSax, Receptal or Serres Receiver Jars.

3. Operating the Mobile Pipeline Suction Unit

To Increase/Decrease the Suction

The Control Knob is graduated from the “OFF” position to the maximum “MAX” which is marked approximately on two-thirds rotation of the Control Knob. To operate, ensure that the Suction Controller is in the “OFF” position then connect the Mobile Suction Unit to the Vacuum source I.e. a Wall Mounted Terminal. A Suction Tube is fitted to the base of the Filter from the Trolley Block. It intended that the Left Hand Receiver Jar be used first. Ensure the Receiver Jars’ “Float Assemblies” are operational, I.e. the float moves up/down freely (Liner type Receptacles may be fitted with a Filter/Fluid Trap). Inspect all Receiver Jar components for wear or damage. Replace damaged components if necessary. The Changeover Valve Bar on the Trolley Block should be positioned fully extending out to the left. Gently squeeze the Suction Tube connected to the LH Jar or fold to occlude the air supply to the Suction Controller. By observing the Indicator Gauge simply rotate the Control Knob (anti-clockwise) into the graduations then stop at required suction level, release the Suction Tube and straighten out so that the vacuum begins to evacuate the Receiver Jar. **Note: Occluding the Patient Tube when setting the suction level is very important and ensures that the patient does not receive excessive suction.** The Suction supply can be turned off immediately by turning the Control Knob to the “OFF” position.

This will automatically drain off all the remaining suction accumulated in the Suction Tubing and Receiver Jar. When the first (LH) Receiver Jar is full turn the Suction Controller to the “OFF” Position. The second (RH) Receiver Jar can now be used by pushing the Valve Bar on the Trolley Block fully to the right as shown on the Trolley Block “Pictogram”.



When an 1800 ml type Jar is full, pull the male adapter probe from the top of the Jar lid and unhook the retaining spring clips. Remove the Jar carefully from the cradle and dispose the contents appropriately. Unscrew the Float Assembly from the base of the Jar Lid, then Float Assembly, Jar Lid, and Jar must be thoroughly cleaned and re-assembled in the reverse order.

WARNING: There are internal ‘stops’ at the ‘OFF’ and ‘Max’ positions on the control knob. Do not try to force the control knob past these setting or damage could occur to the device. Similarly do not attempt to over-tighten the grub screws on the control knob for the same reason.

4. Replacing the Filter

After using the equipment, inspect the White Filter Element in the Filter Cartridge fitted at the base of the Suction Controller. Replace the Filter Cartridge if found to be discoloured or wetted. A contaminated Filter may restrict the performance of the product. To replace the Filter, simply disconnect the Suction Tube from the Filter Cartridge then unscrew the Cartridge (anti-clockwise) from beneath the Suction Controller. Screw the replacement Filter Cartridge onto the unit hand tight.

5. Cleaning

Prior to use, the device Filter Cartridge must be inspected as stated in above section. The Mobile Suction Unit should be cleaned on a regular basis as per the organisations contamination control policies. All external surface areas are to be cleaned by wiping only. A clean cloth damped with a diluted solution of detergent such as Dettol may be used. Alcohol based wipes may be used after ensuring that they do not damage any surface areas. To clean internal areas, the Suction Controller will require dismantling and must only be performed by qualified Medical Engineers only.

The Oxylitre 1800mL Jar, Jar Lid, Float Assembly & Seals is Autoclaveable to 134ºC.

6. Maintenance

A medical Mobile Suction Unit forms part of an essential life supporting system and must be treated with care. Each device should be regularly maintained/inspected at least every 12 months to ensure that the quality of the unit maintained. Qualified Medical Engineers only should carry out servicing.

For service enquiries and information please contact Oxylitre to arrange a quotation etc.

WARNING: NEVER USE FAULTY EQUIPMENT!

Replacement Hydrophobic Filters

Ref: S750 Per box of 30 units

Accessories and Replacement Jar components

a.	Ref: S6100	Oxylitre Unbreakable 1800ml Jar
b.	Ref: S7130	Float Assembly Complete
c.	Ref: S7520A	Suction Jar Lid
d.	Ref: S7525	Male Tapered Suction Connector
e.	Ref:180FFM	Suction Connecting Tube