7. Replacement Parts

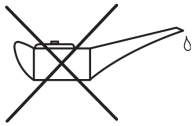
a. Male Tapered Adapter: Ref: S7525
b. Catheter Suction Connecting Tube 1.8 m: Ref: 180FFM
c. Standard Suction Tubing: Ref: VAC201*

Please Note: Always use Oxylitre replacements parts or CE marked products.
*Contains Phthalates (information on request).

8. Technical Data

Required Gas supply

Oxygen: 400 kPa (58 psi)
Air: 400 kPa (58 psi)



Available Gas Connections

a. Standard 3/8 inch BSP Nut connection
b. BS Standard Oxygen Direct Probe
c. BS Standard MA-4 Direct Probe
d. Rail Mounted c/w Oxygen/MA-4 Probes
e. V Bracket Mounted c/w O2/MA-4 Probes
f. Back Bar mounted c/w Flowmeter
g. Pressure Regulator Mounted

		High Vac Units:	Low Vac Units:
Performance Range			
i)		0 to - 66.5 kPa (0 to -500mmHg)	0 to -20 kPa (0 to -150mmHg)
Gas Dispersion			
i)		48 LPM at 66.5 kPa	22 Lpm at 20kPa
ii)		18 LPM at 13 kPa	12 Lpm at 5 kPa
Vacuum Gauges			
i)	Range:	0 to - 100 kPa	0 to -25 kPa
ii)	Colour:	Black on Yellow	Yellow on Black
iii)	Diam.:	50 mm	63 mm
Approx Receiver Jar Evacuation			
i)	1000ml	8 seconds	N/A
ii)	1800ml	10 seconds	N/A

CE 2797

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Oxylitre Healthcare Equipment

S8 Series Injector Suction Unit

Operating & Safety Instructions

Made in the U.K

1. Introduction

The Oxylitre S8 Series Injector Suction Units are designed specifically for medical use and comply with BS EN ISO 10079-3 Standards. The Injector Suction Units are available in controllable High and Low Suction and can be operated directly from either an Oxygen or Medical Air gas supply. Units are available to fit to a cylinder or a gas supply outlet point. The Injector Suction Unit is ideal for portable use and for use in areas where vacuum pipeline installations or Electrical Suction units are not available. The Injector Suction unit can be used for most types of aspiration requirements.

2. How the unit works

The Oxylitre Injector Suction unit operates from a 400 kPa gas supply. By opening the unit's Control Knob the gas is jetted through the main body creating a vacuum. This provides a vacuum source from 0 to -66.5 kPa (-500mmHg) on High Suction Units and 0 to -20 kPa (-150mmHg) on Low Suction Units. Suction values are indicated on the unit's vacuum gauge. The waste gas is vented through a silencing filtration system before it is dispensed into the atmosphere.

3. Safety Precautions for the Prevention of Fire & Explosion

When these products are used with an Oxygen supply, ensure the area is well ventilated to prevent high levels of Oxygen accumulating. These devices have been designed to dispense the gas into the atmosphere. The Injector Suction Unit or patient **MUST NOT** be allowed near any source of ignition i.e. (this precaution applies during and after patient use):

Cigarette/Cigar Smokers, Sparks, Naked flames, Open electrical appliances.

Warning: This device **MUST NOT** come into contact with any Oil or Grease, a reaction may cause an Explosion/Fire.

4. Specifications

Gas supply connections(s)

The Injector Suction unit is available with International Standard inlet connections with adaptations for either Oxygen or Medical Air gases (400 kPa).

Vacuum inlet connection

The unit is fitted with an 8mm O/D vacuum outlet connection for the attachment of appropriate Vacuum Tubing and a Receiver Jar.

Receiver Jars and Tubing

The Oxylitre Injector Suction unit has been designed to connect to the following recommended Fluid Receiver Jars:

Oxylitre 1000mL Receiver Jar:	Ref: S8701 (Rail Mounted)
	Ref: S8702 ("V" Bracket Mounted)
Oxylitre 1800mL Receiver Jar:	Ref: S7500B (Rail Mounted)
	Ref: S7500A ("V" Bracket Mounted).
Oxylitre A/S Suction Tubing:	Ref: VAC101 (per 1 meter Length) – Clear
	Ref: VAC201 (per 1 meter Length) - Yellow

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

Please contact Oxylitre for further information.

5.Operating Instructions

(Note: this equipment is NOT for continuous drainage)

Please note, Oxylitre S8 Series Injector Suction Controllers and Oxylitre Receiver Jars are not fitted with Hydrophobic/Bacteria protective Filters. Please ensure a protective Filter is fitted in either a non-Oxylitre Type Receiver Jar (if used) or inline between the Suction Controller and Receiver Jar prior to use. (Inline Filter Part No: S750).

a. Before connecting the equipment to a Gas Supply, check the unit for any visual damage and ensure that the unit is shut off by turning the Control Knob fully clockwise.

b. Ensure the Receiver Jars' "Float Assembly" is 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.

c. Connect the Vacuum Tube to the Injector Suction Unit's outlet and the other end to the "Vacuum" input on the Receiver Jar Lid. Fit an in-line Filter in-between if necessary (on Oxylitre 1800 ml Jars an additional Male Connector is required Part No: S7525). Then connect a Catheter Connecting Tube (Part No: 180FFM) to the "Patient" output connector on the Receiver Jar and connect the required Catheter to the male end of the tube. (If required, use Anti-frothing agent as per the manufacturer's instructions).

d. Connect the Unit to a gas supply (Please Note: inlet connectors may vary. i.e. Gas Probe, 3/8 inch Nut or the unit may be permanently connected to a Regulator or a Back Bar System).

e. Use the Control knob to adjust the amount of suction required. With the Patient Tube fully occluded (squeeze or fold tubing), turn the Control Knob anti-clockwise to increase the suction or turn the Control Knob clockwise to decrease. The vacuum indicator gauge will give an accurate indication of the suction being applied. **Note: Occluding the Patient Tube when setting the suction level is very important and ensures that the patient does not receive excessive suction.**

f. Aspiration should be stopped when fluid has reached the top graduation. In the event of an accidental overflow, the Float Valve will operate shutting off the vacuum supply to the Receiver Jar.

g. When the 1000 ml type Jar is full, carefully unscrew and dispose of the contents. Pull the Float Assembly from the Jar Top then the Float Assembly, Jar and Jar Top must be thoroughly cleaned and re-assemble in the reverse order. 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.

6. Servicing, Preventative Maintenance & Cleaning

a. Replace the "Catheter Suction Connecting Tube" after each use.
b. Use standard cleaning agents/detergents, such as Dettol when cleaning the unit, Jar and components.
c. The 1800mL Receiver Jar, Jar Lid, Float Assembly & Seals are Autoclaveable to 134ºC.
d. The 1000mL Receiver Jar, Jar Lid, Float Assembly & Seals are Autoclaveable to 121ºC.
e. To ensure the quality and performance, this product should be inspected a by qualified/Oxylitre Service Engineer at least annually and **it is recommended that a Major Service is conducted every 5 Years.** Please contact our Service department for details.

Each unit comes complete with a Manufacturer's 7 year Warranty.

Note: See DOC-OP-4403 for Autoclaving instructions.