



Therapy Equipment Ltd Diamond Suction Range

Maintenance and Servicing Instructions

Introduction

The Therapy Equipment Diamond Suction Range includes the following types:

<u>Suction</u>	<u>Direct</u>	<u>9/16LH Fitting</u>	<u>Rail Mounted</u>	<u>V Dovetail Mounted</u>
High (0 to -625mmHG)	X	X	X	X
Low (0 to -150mmHG)	X	X	X	X
Thoracic (0 to -60cmH ₂ O)	X	X	X	X

The range has been designed specifically for medical use and conforms to the requirements of BS EN ISO 10079:2000. Each unit is CE Marked as a Class IIA product under the current European legislation.

Each unit is marked with a unique Serial Number, and should be used in accordance with the User Instructions supplied with each unit.

Warranty

Each unit is supplied with a 7 Year Function and Accidental Damage Warranty.

The warranty covers all aspects of function failure and damage, and allows the end-user to return the unit for either a free of charge repair or replacement, should the unit malfunction within the first 7 years.

Specifications

Inlet Pressure	-	Up to -760mmHG (100kPa) (Unit set to max of -625mmHG)
Flowrates	-	High - 55LPM Low - 20LPM Thoracic - 20LPM
Relief Valve	-	Low -180mmHG Thoracic -65cmH ₂ O
Filters	-	Hydrophobic Filter

On-Site Function Checks

It is recommended that each unit be included in a routine function check to be carried out on an annual basis.

Servicing procedures must be only be carried out by competent Service Technicians.

The objective of the function check is to ensure that the unit is in a working condition and leak free. The following procedure is recommended:

Leak Test

1. Ensure the unit is in good condition and damage free.
2. Connect the Suction Unit to the Pipeline Suction supply.
3. Turn the Suction ON by turning the ON/OFF tap downwards.
4. Occlude the bottom of the Pipeline Protector so that the Suction is contained.
5. Turn the Control Knob clockwise to Maximum.
6. Wait for the Gauge to stop at its maximum setting and turn the Control Knob anti-clockwise back down to minimum.
7. High Unit only - Gauge reading should remain steady indicating that the unit is leak tight.
Low Units - A drop on the Gauge over the complete scale taking 15 seconds or more is acceptable.

Function Test

1. Connect the Suction Unit to the Pipeline Suction supply.
2. Turn the Suction ON by turning the ON/OFF tap downwards.
3. Ensure the unit is connected to a 1.8 Litre Receiver Jar and the gauge is not registering full vacuum.
4. Occlude the Patient Outlet on the Jar.
5. The Suction Controller should register -400mmHG within 4 seconds on High Units and -150mmHG on Low Units. Thoracic Suction would not normally use standard Receiver Jars and therefore depends on the Jar Systems being used.
6. Replace the Pipeline Protector (Part No. 7900) if necessary.
7. Record the Serial Number of the product serviced.

**ANY UNIT FOUND TO BE MALFUNCTIONING, AND WITHIN WARRANTY MAY BE RETURNED
TO THERAPY EQUIPMENT FOR A FREE OF CHARGE REPAIR/REPLACEMENT**