



TEK2000 EMERGENCY INJECTOR SUCTION UNIT



**Rail Mounted Injector
Suction/Flowmeter Assembly**

INSPECTION

Remove the Injector Suction Unit from the packaging and inspect for damage. If there is any damage, DO NOT USE, and contact Therapy Equipment Ltd.

FUNCTION/INTENDED USE



The Injector Suction Unit should only be used by Hospital personnel authorised and trained in its use.



Read all instructions before using – DO NOT USE the Injector Suction Unit if you do not understand the instructions given in these User Instructions.

The function of the TEK2000 Emergency Injector Suction Unit is to provide both an emergency 'ON/OFF' High Suction from a 60psi (4Bar) pressure source.

The maximum suction generated is in excess of -500mmHG , albeit due to the emergency nature, there is no way of controlling the level of suction being applied. The gas usage at High Vacuum is approximately 40LPM with a suction flow rate in excess of 15LPM.

The TEK2000 Emergency Injector Suction is normally used on Patient Transfer Trolleys or where piped vacuum supply is not available. Due to the high level of gas usage, the unit is designed for emergency use, and is not ideal for prolonged use.

The unit should be operated and stored in a dry clean environment within a temperature range of -10°C to $+40^{\circ}\text{C}$.

User Instructions

The User Instructions below relate to the Emergency Injector Suction Unit only. Alternative User Instructions are supplied with the Regulator.

1. Unpack the TEK2000 Unit from the packaging
2. Ensure that the unit is in a good condition and free from damage
3. The unit will either be supplied with a Direct Fitting Oxygen Probe or with a 3/8" Nut for connection to a Regulator (or Dialreg)

Source of Supply: Piped Oxygen Outlet

- (a) Ensure that the Emergency Injector Suction Unit is in the OFF position and has an Oxygen Probe fitted.
- (b) Push the Emergency Suction Unit with Probe into the Piped Oxygen Outlet
- (c) If there is any sound of gas hissing, examine for leaks. If the unit is found to be leaking, please return to the manufacturer.

Source of Supply: Regulator

- (a) The Emergency Injector Suction Unit may already be supplied connected to a Regulator (or 0-15LPM Dialreg). If not fitted screw the Injector Suction Inlet Nut on to the Regulator Outlet, ensuring that the nut is tightened.
 - (b) Connect the Regulator/Emergency Injector Suction Unit assembly to an Oxygen Cylinder, ensuring that the cylinder and unit is OFF before trying to connect.
 - (c) Turn the cylinder ON slowly. If any sound of gas hissing, turn the cylinder OFF, and examine for leaks. If the unit is found to be leaking, please return to the manufacturer.
4. Connect Emergency Suction Unit to Receiver Jar by pushing one end of a length of Suction Tubing over Tubing outlet on Suction Unit and the other over the vacuum inlet on the Receiver Jar Assembly. Ensure that a good fit is achieved on both fittings, and that the tubing cannot come loose. Users should ensure that an in-line Bacteriological Filter is fitted between the Emergency Injector Suction Unit and the Receiver Jar Assembly.
 5. Turn the Emergency Injector Suction On by twisting the metal Control Knob to the 'ON' position. Occlude the Patient outlet on the Receiver Jar and ensure that the Gauge on the front of the unit registers an overall level of Suction of -500mmHG or more.
 6. The Emergency Injector Suction Unit is designed for emergency use only, and is purely ON/OFF only. The suction levels on the unit cannot be adjusted.

Emergency Injector Suction Units should not be used for continuous drainage. It is however recommended that the unit be tested for function (see Preventative Maintenance) before every use

The Emergency Injector Suction unit should only be used by persons who have received adequate instructions in its use

It is the responsibility of the end user to ensure that the correct Suction Unit is selected to suit the patient. Therapy Equipment accepts no responsibility for the selection of any incorrect unit

TECHNICAL SPECIFICATION

The Emergency Injector Suction Unit manufactured by Therapy Equipment Ltd fully conforms to ISO10079-3.

Inlet Connection	-	Oxygen or 4 Bar Medical Air Probe
Outlet Connection	-	6.4mm Male – Tapered
Constitutional Materials	-	Brass, Aluminium and Polycarbonate

USE OF ANIMAL TISSUES/PHTHALATES

The standard TEK2000 Emergency Injector Suction unit has not been manufactured using any Animal Tissue or Phthalates. We should confirm however that Phthalates are used in the manufacture of the Suction Tubing and Disposable Liner (full details are available on request).

WARNINGS



DO NOT autoclave, or immerse in liquid



DO NOT attempt to use if the collection canister is full



DO NOT use if the Emergency Injector Suction Controller becomes internally contaminated.



ENSURE all connections are tight and leak free



DO NOT use near sources of ignition. Always follow recommended procedures including the guidance give in HSE document 'Take Care with Oxygen'



DO NOT use Oils, greases or any combustible materials near this product



DO NOT smoke in an area where Oxygen is being used/administered

HOSE ASSEMBLY

The Hose Assembly should be included in a regular inspection every 3 months to ensure that it remains safe for operational use i.e. no signs of wear. Particular care should be given to Oxygen Hose Assemblies used on transport devices, such as ventilators.

All Hose Assemblies should be replaced, regardless of condition, at least every 4 years. If there is any doubt over the age of the Hose, then the hose must be replaced.





TROUBLESHOOTING

<u>PROBLEM</u>	<u>ANALYSIS</u>	<u>ACTION</u>
Faulty Gauge	Suction Controller indicating wrong vacuum	<ul style="list-style-type: none"> Return to Hospital Department responsible for Maintenance and replace gauge

CLEANING INSTRUCTIONS

A bacteriological/hydrophobic filter should be fitted between the Emergency Suction Unit and the Receiver Jar, preventing the unit coming into contact with fluid. The unit should be externally cleaned, by wiping the surface with an alcohol or disinfecting wipe. The used wipes should be safely disposed of after use. If you suspect that the unit is contaminated, remove it from use, and refer the device to the appropriate department. We do not recommend the use of Detergent Based Hard Surface Wipes.


EXPLANATION OF SYMBOLS (where used)

	Manufacturer Symbol		Serial No. Symbol		Year of Manufacture Symbol
	EU Authorised Representative				

PREVENTATIVE MAINTENANCE

Whilst the Emergency Injector Suction Unit is supplied with a Lifetime Warranty (Approximately 7 Years), the unit should be included in a regular annual service inspection.

- ◆ The unit should be wiped with an Alcohol or Disinfecting Wipe to clean
- ◆ A check for function as follows:
 1. Turn Injector Suction Unit ON
 2. Occlude Injector Suction Outlet and ensure that full vacuum (over -500mmHG) is registered within 4 seconds (No Jar attached).

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