

DivEvac

DivEvac

5th Floor, Heerengracht, 87 Korte St
Braamfontein, Johannesburg
South Africa

21 December 1990

Dear Sir,

We would like to introduce you to DivEvac.

DivEvac is a 24-hour multi-network system designed to service all recreational scuba divers throughout South Africa, neighbouring countries and Indian Ocean Islands, in the case of a diving accident or when in need of diving medical advice.

DivEvac's Operations Centre, based in Johannesburg, already has an emergency evacuation plan for each known local diving area and has highly trained medical staff (Doctors, ICU Nurses and Paramedics) capable of dealing with diving related incidents. It has many air ambulances, fixed-wing aircraft and helicopters, based around major spots in South Africa, i.e. Durban, Johannesburg and Cape Town, which ensure the rapid arrival and immediate access to the injured diver wherever he may be. The diver is also guaranteed access to the appropriate medical facility and all the evacuation and medical expenses arising from the recreational Scuba Diving incident, are covered provided he/she is a member of DivEvac.

DivEvac has fully equipped recompression facilities on a 24-hour standby, manned by expert personnel and is instituting facilities at many of the major diving spots.

In addition:

- 1 DivEvac provides responsible travelling companions for minors who are in the company of the diver at the time of the incident, to see them home safely after the accident or injury has occurred, if left unattended.
- 2 DivEvac will cover policy holders for medical and transportation costs of any recreational scuba diving related incident outside DivEvac's area of operation, provided DivEvac is informed of the destination prior to the departure of the scuba diver (up to R50,000).
- 3 DivEvac also works in close collaboration with all other rescue services throughout Southern Africa to ensure the maximum protection of the recreational scuba diver's needs. DivEvac covers the policy holder in the case of a non-diving related incident, such as a car accident, etc., but for evacuation only and not the hospital medical costs.

We would kindly appreciate any materials or information that you may offer us to enhance our service. We are

aiming to commence our own diving accident statistics data and would like to read your references as well, i.e. your statistical reports, and to share ours with you in the future. We have done 12 treatments during 1990 and are very keen to compare our services with others and to learn more.

Please send us more information on your services, as we ultimately would like to liaise on an international basis, to ensure our clients are furnished with the necessary emergency number and cover, should they travel internationally.

Bridget Scott

DivEvac

Medical Rescue International

LOW PRESSURE GAS ALARMS

Hyperbaric Medicine Unit
Department of Anaesthesia and Intensive Care
Royal Adelaide Hospital
North Terrace
Adelaide, South Australia, 5000

28/2/91

Sir,

The Hyperbaric Unit of the Royal Adelaide Hospital has fitted a new low pressure oxygen alarm to its recompression chamber. The problem was to acquire an alarm that could cope with a range of oxygen supply pressures to accommodate either high pressure through a reducer at 10-16 bar or reticulated liquid oxygen (V.I.E.) at 6-8 bar.

Existing alarms were generally expensive, bulky and very limited in function. As we were not happy with the available choices we decided to set down the design parameters for a more suitable low gas pressure alarm, in this instance for oxygen.

The alarm was required to perform the following functions.

- 1 Power should be supplied from a switch on the panel that would normally be on before a dive.
- 2 The sampling point must be immediately adjacent to the hull penetration point for the oxygen supply to the built-in breathing system (BIBS).
- 3 The display must have lights for power, high pressure and low pressure warnings, plus an audible and visible low pressure alarm.
- 4 The warning audible alarm and the light settings must be easily adjustable.