Medical Oxygen Solutions

Medical oxygen is necessary onboard vessels when a passenger or crew member requires breathing assistance during a medical emergency. VIKING Life-Saving Equipment offers a complete range of equipment, installation components, pressure regulators, spare parts, exchange, inspection and certification to fulfil international medical oxygen regulations and requirements.

VIKING LIFE-SAVING EQUIPMENT

Your safety is safe with us

Regulations and requirements

The Medical First Aid Guide (MFAG) of the IMO International Maritime Dangerous Goods Code (IMDG) requires vessels with dangerous goods onboard to carry medical oxygen cylinders in the ship's hospital.

For a vessel to comply with the relevant MFAG requirements, the following quantities of medical oxygen should be available in the ship's hospital for resuscitation purposes:

- ✔ 40-liter (at 200 BAR) medical oxygen cylinder assembled for direct use, equipped with one flow meter unit with two ports for supplying oxygen for two persons at the same time. If more than one non-portable oxygen cylinder is used there must be two flow-meter units for supplying oxygen for two persons at the same time.
- ✔ One complete portable set with 2-liter (at 200 BAR) of medical oxygen ready for use and a spare 2-liter (at 200 BAR) cylinder.

Guidance on storage of 40-liter medical oxygen cylinders

1. Depending upon Class and Flag of the vessels the 40-liter medical oxygen cylinder can be stored:
   - Outside the accommodation as close to the hospital as is reasonably feasible in a secure and weather protected cabinet
2. - Inside the accommodation of the hospital, firmly secured to the bulkheads

Some Flag States recommend that the 40-liter medical oxygen cylinder be fitted with a safety device to prevent accidental release of high-pressure medical oxygen into the hospital. It is recommend that the medical oxygen regulator in the pipe work from the 40-liter be fitted with a relief valve and a discharge line piped outside the hospital to free air.

This ensures that if there is an error in the system, high-pressure medical oxygen cannot escape into the low-pressure side of the system, and will be vented outside of the accommodation.

What we offer

VIKING Life-Saving Equipment offers medical oxygen sets to fulfil the international requirements of MFAG, flag administrations and classification societies.

- Portable and fixed sets
- Conform to DOT and EU standards
- 3 year refill interval
- Two valve options Pin Index (PI) or G 5/8" female (bullnose) valve
- Fixed sets can be mounted within the vessel's hospital or on exterior bulkhead

150
200
100
3/4
1/2
1/4
50
bar @ 15° C
O2
GCE

Medical Oxygen set - **Pin Index Valve**

SAP	SAP material name	Material Description
1085378	MEDOX **40L** PIN INDEX	40L MO2-cylinder (200 bar) with Pin Index valve and safety cap
1026378	MEDOX **10L** PIN INDEX	10L MO2-cylinder (200 bar) with Pin Index valve and safety cap
1085377	MEDOX **2L** PIN INDEX	2L MO2- cylinder (200 bar) with Pin Index valve and safety cap

Medical Oxygen set - **G 5/8" Female Valve**

SAP	SAP material name	Material Description
1085381	MEDOX **40L** FM 5/8"	40L MO2-cylinder (200 bar) with G 5/8" female valve and safety cap
1085384	MEDOX **10L** FM 5/8"	10L MO2-cylinder (200 bar) with G 5/8" female valve and safety cap
1085379	MEDOX **2L** FM 5/8"	2L MO2-cylinder (200 bar) with G 5/8" female valve and safety cap

Medical Oxygen set - **Regulator set**

SAP	SAP material name	Material Description
1085404	MED O2 REGULATOR **SET PI**	MO2 hospital set with Pin Index regulator and two flow outlets
1093605	MED O2 REGULATOR **SET G 5/8"**	MO2 hospital set with G 5/8" male regulator and two flow outlets

Medical Oxygen set - **Portable set** (without cylinder)

SAP	SAP material name	Material Description
1085380	MED O2 PORT SUITCASE **PI W/O CYL**	MO2 portable set with Pin Index regulator and disposables per IMDG-list
1085355	MED O2 PORT SUITCASE **G 5/8" W/O CYL**	MO2 portable set with G 5/8" male regulator and disposables per IMDG-list

Medical Oxygen set - **Manual resuscitator kit**

SAP	SAP material name	Material Description
1093255	MED O2 MANUAL RESUSCITATOR KIT	Suitcase with two manual resuscitators