



NITROGEN HIGH PRESSURE SUPPLY SYSTEM

The **MARIGASES NITROGEN HIGH PRESSURE SUPPLY SYSTEM** is used to compensate the loss of Nitrogen during the voyage and to ensure a safe position pressure of at least 0.07 bar in the cargo tanks (padding operation).

It is also used to provide the Nitrogen needed for the purging operation, when required.

Nitrogen is a colorless, odor and flavor free, non-toxic and almost totally inert gas.

Nitrogen padding is used to exclude oxygen from the cargo tanks to prevent dangerous situations and maintain the quality of the cargo.

Another use of Nitrogen, is purging and draining pumps, cargo pipes and valves, air cooling systems etc.

The **MARIGASES NITROGEN HIGH PRESSURE SUPPLY SYSTEM** consists of manifold pipes, cylinder holders, cylinder hoses and a reducer cabinet.

The reducer cabinet is used for reducing the cylinder pressure to 5–10 bar, appropriate for distribution. It includes regulators with built in safety relief valves, inlet/outlet closing valves and two outlets, one for padding and one for purging.

Manifold pipes can be connected together in order to form a connector pipe.

Cylinders are connected to manifold pipes via non-return valves.

