Abstract

System for storing and distributing an NO/nitrogen gaseous mixture

The invention relates to a system for storing and distributing a gaseous mixture formed of NO/N_2, comprising a container (6) containing an NO/nitrogen mixture equipped with an in-built pressure regulator (8) with an internal passage (22) for gas made of stainless steel and means for regulating the expansion of the gas collaborating with an expansion valve (27) and a valve seat (28) made of stainless steel. A first outlet coupling (21a) referred to as a 'pressure' outlet delivers the gas at low pressure and a second outlet coupling (21b) associated with a flow meter device comprising calibrated orifices and a flow rate selection member delivers the gas at several different flow rates. The invention also relates to an installation for distributing a gas containing NO to a patient comprising a ventilator (1) delivering a gas containing oxygen and to a system for storing and distributing a gaseous mixture formed of NO/N_2 according to the invention.

Fig. 1