Name of Policy: Medical Gas Regulating Devices
Policy Number: 3364-136-02-02
Department: Respiratory Care
Approving Officer: Vice President Clinical Services
Responsible Agent: Director, Respiratory Care
Scope: The University of Toledo Medical Center Respiratory Care Department

(A) Policy Statement

Respiratory Care Services will use flowmeters, regulators, and oxygen blenders according to manufacturer specifications and departmental policy. Technology Support services will be responsible for maintaining the proper function and safe utilization of these devices.

No adaptations will be made to a regulator, flowmeter, or blender, to fit it to a tank for which it was never intended.

(B) Purpose of Policy

To ensure proper use and care of medical gas regulating devices by all appropriate hospital personnel.

(C) Procedure

1. Flowmeters must have a source gas (cylinder or bulk) of 50 psi in order to function according to manufacturer specifications.
2. Pressure regulators will utilize the D.I.S.S. or P.I.S.S. safety systems to control compressed gas pressures.
3. Blenders used to regulate two or more medical gases must have the gases analyzed properly; a 5% or greater discrepancy in FiO2 should be brought to the attention of Technology Support Services for repair.
4. Any equipment not properly functioning should be labeled accordingly, and taken out of service, and replaced with properly functioning equipment. All broken equipment must be brought to the attention of the Respiratory Care Director, or the appropriate Biomedical Engineering technician.

Approved by:
Michael Taylor
Director, Respiratory Care

Daniel Barbee
Vice President Clinical Services

Review/Revision Date:
10/04/1999
8/20/2001
4/7/2004
8/28/2006
7/10/2009
8/3/2012
3/1/2016

Next Review Date: March 1, 2019

Policies Superseded by This Policy:
It is the responsibility of the reader to verify with the responsible agent that this is the most current version of the policy.