

ISO 7396-2:2007-04 (E)

Medical gas pipeline systems - Part 2: Anaesthetic gas scavenging disposal systems

| Contents | | Page |
|--------------------|--|-------------|
| Foreword | | iv |
| Introduction | | v |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions | 2 |
| 4 | General requirements | 6 |
| 4.1 | Safety | 6 |
| 4.2 | Alternative construction | 6 |
| 4.3 | Materials | 6 |
| 4.4 | Continuity of operation | 7 |
| 5 | Power device | 7 |
| 6 | Indicating systems | 8 |
| 7 | Pipelines, connecting assemblies and disposal hoses | 8 |
| 8 | Disposal system characteristics and test methods for pressure and flow | 9 |
| 8.1 | Requirements | 9 |
| 8.2 | Test methods for pressure and flow | 10 |
| 8.3 | Means to prevent backflow | 12 |
| 9 | Terminal units | 12 |
| 10 | Marking and colour coding | 12 |
| 10.1 | Marking | 12 |
| 10.2 | Colour coding | 13 |
| 10.3 | Test for durability | 13 |
| 11 | Pipeline installation | 13 |
| 12 | Testing, commissioning and certification | 15 |
| 12.1 | General | 15 |
| 12.2 | General requirements for tests | 15 |
| 12.3 | Tests, inspections and checks | 15 |
| 12.4 | Requirements for tests, inspections and checks listed in 12.3 | 15 |
| 12.5 | Certification of the system | 16 |
| 12.6 | Extensions or modifications | 17 |
| 13 | Information to be supplied by the manufacturer | 17 |
| 13.1 | General | 17 |
| 13.2 | Instructions for use | 17 |
| 13.3 | Operational management information | 18 |
| 13.4 | "As-installed" drawings | 18 |
| 13.5 | Electrical diagrams | 18 |

| | |
|---|-----------|
| Annex A (informative) Guidelines for power devices consisting of fans, blowers or dedicated vacuum pumps | 19 |
| Annex B (informative) Example of procedure for testing and commissioning | 20 |
| Annex C (informative) Typical forms for certification of AGS disposal systems | 23 |
| Annex D (informative) Risk management checklist | 36 |
| Annex E (informative) Rationale | 44 |
| Bibliography | 45 |