

# ISO 8835-2:2007-08 (E)

## Inhalational anaesthesia systems - Part 2: Anaesthetic breathing systems

---

<b>Contents</b>		<b>Page</b>
Foreword .....		v
Introduction .....		vi
* 1 Scope .....		1
2 Normative references .....		1
3 Terms and definitions .....		2
4 General .....		3
4.1 Materials .....		3
4.2 Anaesthetic breathing system component packaging .....		3
4.3 Electrical requirements .....		3
4.4 Alternative test methods .....		4
5 Connection ports .....		4
5.1 Patient connection port .....		4
5.2 Y-Piece .....		4
5.3 Exhaust connection port .....		4
5.4 Interchangeable non-rebreathing exhaust valves .....		4
* 5.5 Reservoir bag connection port .....		4
5.6 Anaesthetic ventilator connection port .....		5
5.7 Connection ports of interchangeable anaesthetic breathing system components .....		5
* 5.8 Inspiratory and expiratory connection ports of an interchangeable circle absorber assembly ....		5
5.9 Other connection ports .....		5
6 Reservoir bag/anaesthetic ventilator selector switch .....		5
7 Complete anaesthetic breathing system either supplied assembled or assembled in accordance with the manufacturer's instructions .....		5
* 7.1 Leakage .....		5
* 7.2 Inspiratory and expiratory pressure/flow characteristics .....		6
8 Interchangeable anaesthetic breathing system components -- Exhaust valves .....		6
8.1 Direction of movement of controls .....		6
8.2 Pressure/flow characteristics .....		6
8.3 Opening pressure .....		6
8.4 Leakage .....		6
9 Circle absorber assemblies .....		6
9.1 Construction .....		6
9.2 Absorbent bypass mechanism .....		7
9.3 Pressure/flow characteristics .....		7
9.4 Inspiratory and expiratory valves .....		7
10 Pressure monitoring and limitation .....		8
10.1 Pressure monitoring .....		8

10.2	Pressure-limiting device .....	8
* 11	Location of components in an anaesthetic breathing system containing a circle absorber assembly (as defined in 3.3) .....	8
11.1	Exhaust valve .....	8
11.2	Reservoir bag connection port .....	8
11.3	Fresh gas inlet .....	8
11.4	Inspiratory and expiratory valves .....	8
12	Marking .....	9
12.1	Marking of complete anaesthetic breathing systems and anaesthetic breathing system components .....	9
12.2	Marking of packages .....	10
13	Information to be provided by the manufacturer or supplier .....	10
13.1	General .....	10
13.2	For anaesthetic breathing systems supplied complete .....	10
13.3	For anaesthetic breathing system components .....	11
	Annex A (normative) Typical test arrangements and methods .....	13
	Annex B (informative) Rationale .....	18
	Annex C (informative) Environmental aspects .....	20
	Annex D (normative) Antistatic requirements .....	21
	Bibliography .....	22