Technical file for Resus family of products

Device Specification 'Resus 2'

Input Oxygen pipeline nominal 4 bar
Oxygen cylinder 'D' or 'E' size (either or both)
Oxygen source to be pipeline preferential - automatic without operator intervention
Air pipeline nominal 4 bar
Air cylinder 'D' or 'E' size (either or both)
Air source to be pipeline preferential - automatic without operator intervention

Output

Oxygen via 0 - 15 litres/ minute flowmeter
Outlet to be tapered to take mask connection tubing
Output to be pressure limited to 45 mbar

Oxygen via 0 - 15 litres / minute flowmeter
Air via 0 - 15 litres / minute flowmeter
Outlet to be 15mm male tapered to ISO 5356-2 1987
Output to have fixed pressure limit 45 mbar
Output to have operator controlled variable pressure limit to 45 mbar

Oxygen outlet to drive Draeger Bronchial suction device to -0.8 bar
Maximum flow rate >30 litres / minute at nominal 4 bar pressure

Indicators

Oxygen pipeline gas pressure present
Air pipeline gas pressure present
Oxygen cylinder pressure (contents) gauge
Air cylinder pressure (contents) gauge
Oxygen flow meter 0 - 15 litres / minute (mask)
Oxygen flow meter 0 - 15 litres / minute (thumb ventilator)
Air flow meter 0 - 15 litres / minute (thumb ventilator)
Airway pressure gauge (thumb ventilator)

Physical

To be fitted to a Draeger shelf unit 2M21158 or equivalent (for example Babytherm 8000 open care cot with overhead radiant heater)
Cupboards to be available for storage
Area to be available for placing working tools / instruments

Dräger

Manufacturing Test Procedure.

Works order number _____

Resus Oxygen or Oxygen and Air

System I/D _____ Serial Number (on completion) _____

Tom Thumb flowmeter Serial Number _____
Tom Thumb ventilator Serial Number _____
Oxygen regulator
Air regulator

Set regulator to 3.8 bar(55psi) static C .....
Set flow meter to 5 l/min
Measure flow +/- 0.5 l/min V .....
Observe smooth movement of flow indicator O .....
Set ventilator flow meter to 5 l/min
Measure flow +/- 0.5 l/min V .....
Observe smooth movement of flow indicator O .....

Measure Din outlet flow >30 l/min V .....

Check flow meter pressure relief valve
45 - 50 mbar V .....
Check ventialtor fixed pressure relief valve
45 - 50 mbar V .....
Check ventilator variable pressure relief valve
<5 - 45 mbar O .....
Set flowmeter and ventilator to no flow

Check for leaks
High pressure gauge no visible sign of gauge movement after 3 minutes
O .....
Low pressure(use Draeger pipeline test hose)
Pressure drop less than0.2 bar (2.9 psi) after 3 minutes
O .....
Affix serial number (reference DWN ????)