

DOUBLE D[®] COAXIAL BREATHING CIRCUIT

Two in one: the best-in-class breathing circuit for anaesthesia and ventilation

AT A GLANCE

- two in one: inspiratory and expiratory limb in one tube
- heat transfer from one limb to the other: warming of inspiratory gases
- decreased circuit compliance: increased volume delivery
- reduced weight: less torque on tube leads to more patient comfort
- less material used: environment better preserved upon disposal
- no tubes entanglement: easy to use everywhere
- suitable for adults, children & neonates
- flexible connectors for good fit to machine ports
- latex-free & DEHP-free
- single use
- supplied clean packed

LESS IS MORE

One tube – two functions: our Double D Coaxial Breathing Circuit includes both the inspiratory as well as the expiratory limb in one tube. The two limbs share a common wall, which results in a transfer of heat; the inspiratory gases are then automatically warmed (4.1° C at flow rates of 10l/min) by the expiratory gases passing in the expiratory limb. This allows the patient to be optimally ventilated at all times.

In addition, the wall in the breathing circuit stabilises the system without compromising the tube's flexibility and compliance in the circuit, so the set volume is the delivered volume.

LIGHTWEIGHT AND COMFORTABLE

The elimination of one parallel limb decreases the circuit's weight compared to traditional double limb circuits, and coaxial circle circuit (tube-in-tube type), reducing torque on the patient's airway making it more comfortable for the patient. At the same time, thanks to minimisation of the material used, the disposal of the system is also more environmental friendly.

EASY AND EFFICIENT

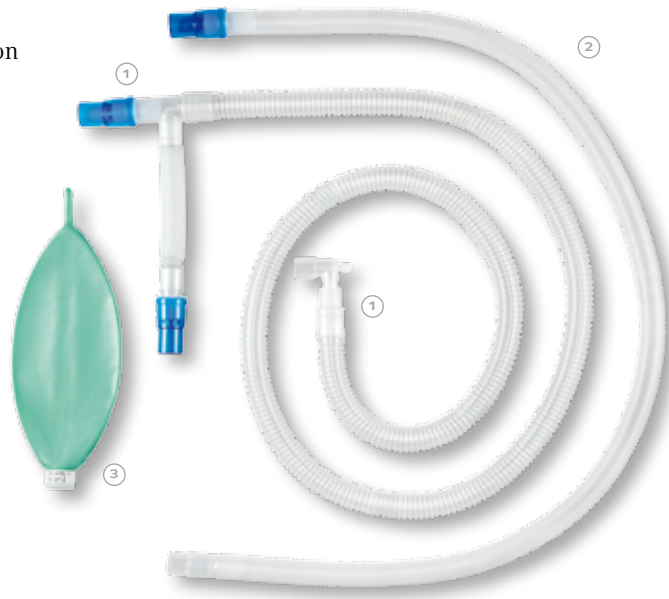
The system is extremely easy and convenient to use – one tube only so no risk of tube entanglement whether in the operating room or in the ICU.

Efficiency, patient comfort & caregiver convenience are the key advantages of Teleflex Double D



DOUBLE D INFORMATION

Integrated anaesthesia and ventilation circuit with elbow connector and LL-port for capnometry



- ① Double D breathing circuit
- ② additional tubing
- ③ 2L latex-free bag

DOUBLE D

REF.	LENGTH	ADDITIONAL TUBING	BREATHING BAG	PACKED	WEIGHT*	THERMAL EFFICIENCY**	COMPLIANCE AT 100 CMH ₂ O PER METRE OF TUBE LENGTH***	QTY
198881-001800	180 cm	N/A	N/A	clean	< 250 gr	4.0°C / 3.7°C	1.1 ml/cmH ₂ O	20
198886-001800	180 cm	120 cm	2L latex-free	clean	< 250 gr ¹	4.0°C / 3.7°C	1.1 ml/cmH ₂ O	20
198886-001801	180 cm	150 cm	2L latex-free	clean	< 250 gr ²	4.0°C / 3.7°C	1.1 ml/cmH ₂ O	20
198886-031800	180 cm	300 cm extensible	2L latex-free	clean	< 250 gr ³	4.0°C / 3.7°C	1.1 ml/cmH ₂ O	20
198886-051800	180 cm	100 cm smoothbore	N/A	clean	< 250 gr ⁴	4.0°C / 3.7°C	1.1 ml/cmH ₂ O	20
198881-002800	280 cm	N/A	N/A	clean	< 440 gr	5.4°C / 4.5°C	1.9 ml/cmH ₂ O	20
198886-032800	280 cm	300 cm extensible	2L latex-free	clean	< 440 gr ³	5.4°C / 4.5°C	1.9 ml/cmH ₂ O	20

* weight excluding accessories

** at 10 L/min flow rate within the first 20 minutes (net temperature increase)

*** measurement performed per ISO 5367 at pressure of 100 cmH₂O

¹ accessories weight – 130 gr

² accessories weight – 145 gr

³ accessories weight – 185 gr

⁴ accessories weight – 100 gr

Inspiratory and expiratory resistance at various flow rates (cmH₂O)

FLOW RATES	DOUBLE D 180 CM		DOUBLE D 280 CM	
	INSPIRATORY RESISTANCE	EXPIRATORY RESISTANCE	INSPIRATORY RESISTANCE	EXPIRATORY RESISTANCE
10 l/min	0.16 cmH ₂ O	0.17 cmH ₂ O	0.21 cmH ₂ O	0.23 cmH ₂ O
20 l/min	0.49 cmH ₂ O	0.52 cmH ₂ O	0.69 cmH ₂ O	0.76 cmH ₂ O
30 l/min	1.20 cmH ₂ O	1.26 cmH ₂ O	1.49 cmH ₂ O	1.56 cmH ₂ O
40 l/min	2.27 cmH ₂ O	2.34 cmH ₂ O	2.65 cmH ₂ O	2.76 cmH ₂ O
50 l/min	3.37 cmH ₂ O	3.44 cmH ₂ O	4.14 cmH ₂ O	4.37 cmH ₂ O
60 l/min	4.60 cmH ₂ O	4.69 cmH ₂ O	5.75 cmH ₂ O	6.17 cmH ₂ O

measurement performed per ISO 5367

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