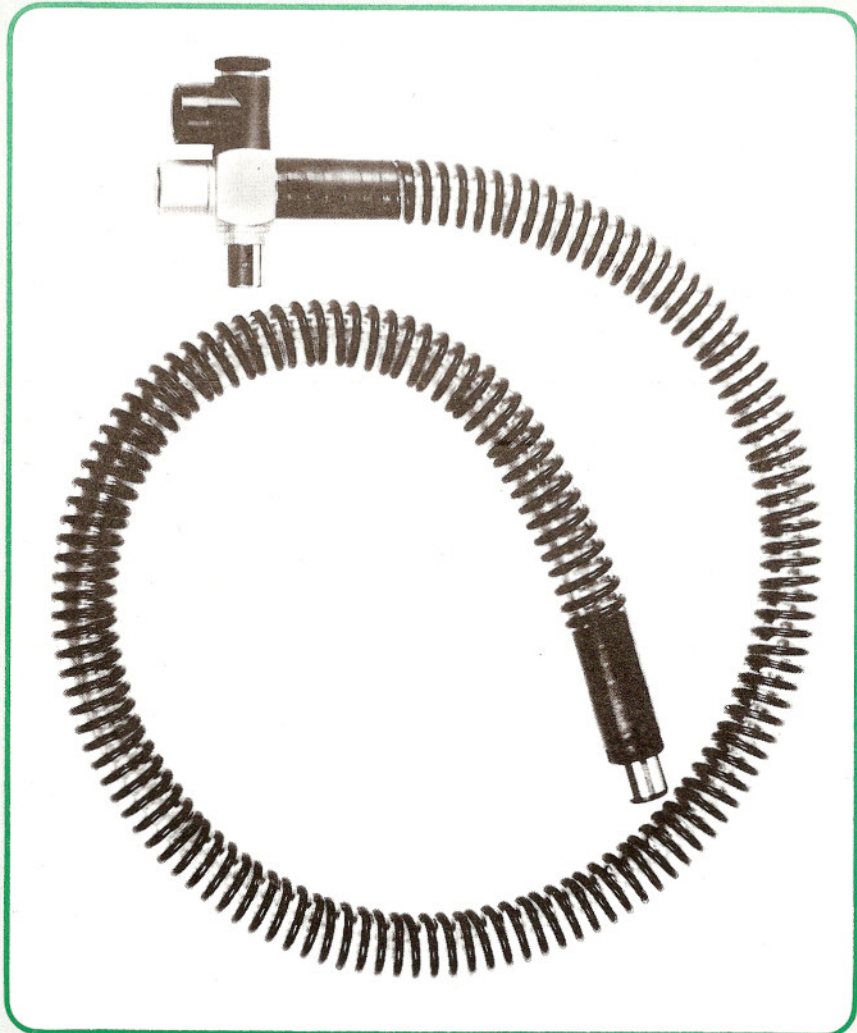


# LACK Co-Axial Breathing Assembly

- Reduced weight at patient end
- Control of patient at machine outlet
- Convenient outlet for scavenging
- Minimal resistance to expiration
- 'Smooth-Bor' conductive tubing
- Convenient 1.5 metre length
- MIE Superlite exhaust valve incorporated
- Re-usable
- Minimal dead space
- Inner tube secured by safety clip



The Lack Co-Axial Circuit has been designed to overcome the problems of inaccessibility of the expiratory valve at the patient end of the circuit. The fresh gases are led to the patient via the outer channel of two concentric tubes, while expired gases return along the inner tube to be discharged outside the theatre via the MIE Exhaust valve.



## LACK CO-AXIAL BREATHING CIRCUIT

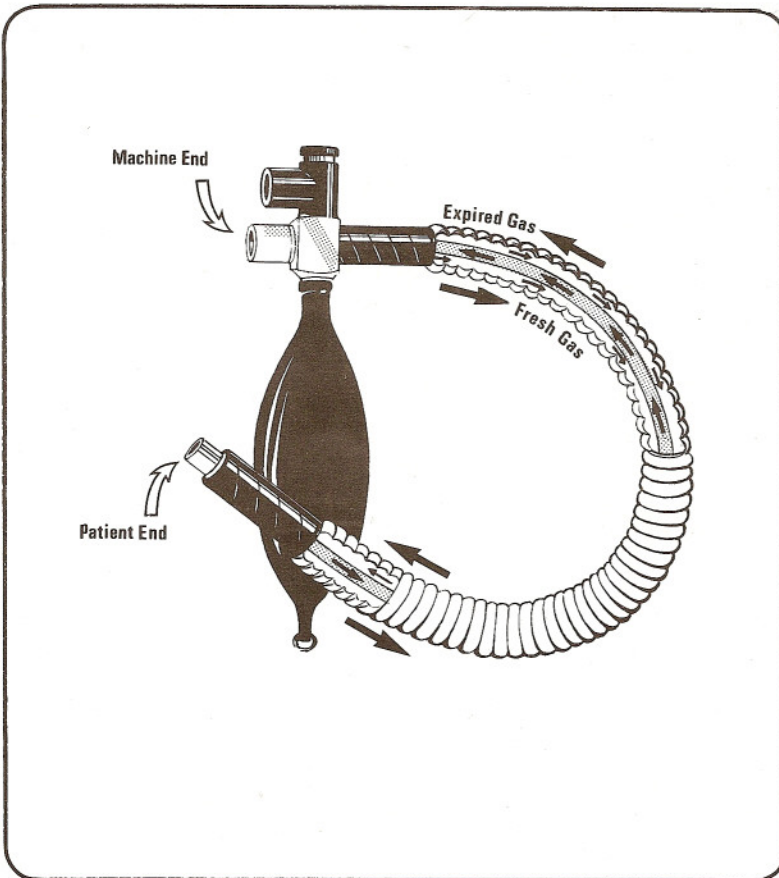
The MIE Lack Co-Axial Breathing Circuit offers distinct advantages over the Mapleson 'A' or Magill Circuit. A Mapleson 'A' or Magill Circuit are highly efficient providing a fresh gas flow requirements theoretically equal to a little more than the alveolar ventilation, i.e. 4–5 litre/min for a 70kg adult. Their principal disadvantages however are that the expiratory valve is located at the patient end of the circuit, so being inaccessible to the anaesthetist and adding undesirable weight near the point of connection to the patient.

The reservoir bag is in the fresh gas line as in the Mapleson 'A' circuit (in contrast to the Mapleson 'D' and Bain Circuits where reservoir bags are placed in the expired line which considerably reduces efficiency with spontaneous respiration).

The dead space of the MIE Lack Co-Axial circuit with a 15mm male catheter in place is approximately 4cc and the MIE Exhaust Expiratory Valve has a minimal expiratory resistance so making the circuit suitable for all but small babies.

### Sterilization

An MIE Technical Publication 003 contains instructions on Sterilization. This publication accompanies each Lack Co-Axial circuit.



## Ordering Information

PRODUCT NUMBER	DESCRIPTION	SPECIFICATIONS
8723-700	LACK CIRCUIT COMPLETE	WEIGHT .860 KILO (1.5 kilos with packing)

COMPRISING THE FOLLOWING—

8723-802	OUTLET ASSEMBLY	MIE SUPERLITE EXHAUST VALVE. 30mm OUTLET. MANIFOLD: BRASS CHROME PLATED (BS)
8723-803	FACEPIECE CONNECTOR	MIE SUPERLITE 22mm TAPER (BS)
8723-005	OUTER TUBE — 1½m (Approx length)	ANTI-STATIC REINFORCED VINYL 30mm I.D. 'SMOOTH-BOR'
8723-006	INNER TUBE — 1½m (Approx length)	THICK-WALLED 'SMOOTH-BOR' VINYL. 12mm I.D.
8727-006	2 LITRE A/S BAG I.S.O.	

MIE (in pursuing a policy of continued improvement) reserve the right to alter and improve the specification of any product without prior notification.

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