



### Silicone hose suitable for Bien Air® electric micromotors

#### Mounting instructions



We congratulate for choosing a Drive Air quality product

Fully Italy-manufactured hose.

#### DESCRIPTION AND USE

Silicone hoses for electric micromotor complying with ISO11498 Standard. Connectors suitable for MC3, M40, MC2 IR, ISOLITE micromotors.

TAB.1		Silicone Sheath standard Length	Wires and tubing standard length	Standard version weight	Water regulat. version weight
MC3		160 cm	180 cm	140 gr	160 gr
MC2 IR		160 cm	180 cm	142 gr	155 gr
ISOLITE		160 cm	180 cm	152 gr	165 gr

See Tab.3 for the available sheath colours, hoses references and adapters references

#### DIRECTIVE REFERENCES

The hose is conforming to Medical Device Directive 93/42/EEC  
The hose is conforming to European Directive 2002/95/EEC (RoHS)

#### CLASSIFICATION

Class I as per section III , Rule 1 of annex IX to European Directive 93/42/EEC.

#### GENERALITIES

Product intended for professional use only.

The operator must ensure that the hose is used only for the purpose for which it is intended. The hose must be used by a competent person in accordance with the current legal provisions concerning industrial safety, health and accident prevention regulations, and these instructions.

#### TECHNICAL DATA

Motor cooling air tubing maximum pressure	5 bar/ 72 psi
Motor cooling air tubing flow rate at 2,5 bar/36 psi	>40 NI/min [MC3] >12 NI/min [MC2 e ISOLITE]
Spray air and water tubings maximum pressure	4 bar / 58 psi
Spray water tubing flow rate	>200 ml/min
Spray air tubing flow rate	>11NI/min
Motor supply wires	25V a.c. / 60 V d.c. max ; 2,5 A max (5 A 10s)
Lamp supply wires	3,5 V d.c. ; 1 A max
Locking string maximum resistance to traction	60N

#### ASSEMBLY

See Fig. 1 and Tab.1 before beginning the installation of the tubings and wires. Connect wires according to micromotor manufacturer's instruction. Connect tubings and adjust each tubing inlet pressure according to micromotor manufacturer's instruction. Keep the initial alignment of the tubings and wires. Lightly pull and fix the locking string.

Hose must be connected to the power supply unit meeting the requirements of IEC601-1 Standard. Additionally, the power supply unit must have a minimum insulation strength of 500 V between the electric circuits and earth and a minimum insulation strength of 4000 V between the electric circuits and mains.

The hose is not authorised for use in an explosive atmosphere (Anaesthetic gas).

TAB. 2	Function	Color	Technical Features			
1	Cooling air	Clear	∅ 1,40x2,50 mm	-	√	√
1	Cooling air	Clear	∅ 2,70x4,00 mm	√	-	-
2	Water spray	Green	∅ 1,40x2,50 mm	√	√	√
3	Air spray	Blu	∅ 1,40x2,50 mm	√	√	√
4	Locking string	White	Polyester	√	√	√
5	Motor supply	Red	(+)	√	√	√
6	Lamp supply	Blu	(+)	√	-	√
6	Lamp supply	Brown	(0V)	√	-	√
7	Motor supply	Black	(0V)	√	√	√
8	Silicone Sheath	XX	∅ 10 mm	√ (BR only)	√	√
8	Silicone Sheath	XX	∅ 11 mm	√	-	-

#### CLEANING AND DISINFECTION

Clean with a cloth soaked in a disinfectant containing: phenol, glutaraldehyde up to 3%, alcohols based on ethanol or methanol.

Never immerse the hose in disinfectant solution.

To keep the surface of the hose in good condition, it is advisable to wipe periodically the complete length of it with a cloth dusted with talcum powder.

Hose cannot be sterilized.

Antimicrobial waterline do not grant a complete absence of bacterial contamination

#### RECOMMENDATIONS

It's essential to use dry, purified compressed air in order to ensure the long working life of the hose. Maintain the quality of the air and the water by regular maintenance of the compressor and the filtration systems. The use of unfiltered hard water will lead to early blockage of the waterline.

#### DISPOSAL

By ensuring this product is correctly disposed, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.

#### GUARANTEE

Drive Air grants the operator a guarantee covering all functional defects, material or production faults. The hose is covered by this guarantee for 12 months from the date of invoicing.

In the event of justified claims, Drive Air will fulfil the company's obligations under this guarantee by repairing or replacing the hose free of charge.

Any other claims, of whatever nature, in particular in the form of a claim for damages and interest, are excluded.

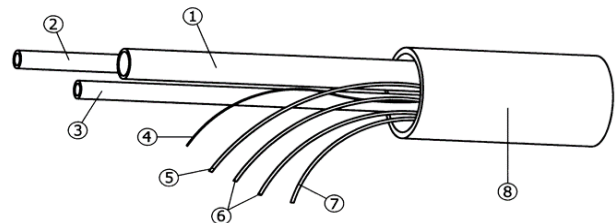
Drive Air shall not be held responsible for damage or injury and the consequences thereof, resulting from:

- excessive wear and tear
- improper handling
- non-observance of the instructions for installation, operation and maintenance
- poor connections.

The guarantee shall become null and void if the damage and its consequences are due to improper manipulation or modifications of the hose.

Claims under the terms of the guarantee will be considered only on presentation, together with the hose, of the invoice or the consignment note, on which the date of the purchase, the hose reference and the LOT No. should be clearly indicated.

FIG.1



TAB. 3 Available versions			
Ref.	Suitable for	Waterspray regulation	Swivel version
8H.STD.XX.1	MC3	-	√
8R.STD.XX.1	MC3	√	√
B2.STD.XX.1	ISOLITE	-	√
B5.STD.XX.1	MC2 IR	-	-
B7.STD.XX.1	ISOLITE	-	-
BR.STD.XX.2	MC2 IR	√	√
BR.STD.XX.1	ISOLITE	√	√

Sheath colors	
XX = WH	White
XX = LG	Grey RAL9002
XX = MG	Grey RAL7035
XX = GR	Grey RAL7038
XX = BR	Surf Adec
XX = BL	Black