



THE INHALATION SEDATION SPECIALISTS

We are experts in providing, maintaining, and educating on Inhalation Sedation Equipment for dental and other medical settings. Our dedicated approach ensures that we not only meet our clients' needs with comprehensive solutions but also offer helpful guidance and support to optimise the use of your sedation equipment.

Choice

We offer a wide selection of products from various reputable manufacturers, all of which are continuously evaluated to ensure they meet client needs and comply with industry standards.

Service

We are committed to providing competitive pricing, ensuring that our clients never have to compromise on proper maintenance due to financial constraints. All our engineers are manufacturer-trained, and R A Medical is the sole OEM (Original Equipment Manufacturer) UK authorised service agent for Matrx, Porter and Accutron products.

Advice

With over 60 years of experience in the field, we possess extensive knowledge in all aspects of inhalation sedation administration. Our policy is to assist and support the promotion of Relative Analgesia in dentistry. We actively offer sponsorship, advice, and demonstrations, and we are dedicated to supporting postgraduate lectures and training courses for health authorities and specialist interest organizations.

Safety & Quality

At R A Medical, quality control is of the utmost importance. We follow strict procedures to manage all aspects of our operations. We are currently certified to BS EN ISO 9001:2015 standards and are working towards ISO 13485 certification in 2025.

TO PLACE YOUR ORDER SIMPLY E-mail

sales@ramedical.com
+44 (0)1535652444

FOR PAYMENT TERMS, CONDITIONS OF SALE
AND HOW TO PAY SEE PAGE 18



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News and guides

MATRIX BY PORTER

SEDATION EQUIPMENT

R A HEAD ONLY

QUANTIFLEX MDM R A HEAD 9450 0150 £2,760.00

Quantiflex Monitored Dial Mixer (MDM). Features oxygen/nitrous oxide flowtubes, in-ratio oxygen failsafe, oxygen flush, air intake valve, non-rebreathing check valve, mixture percentage dial, total flow control knob (Auto Compensating). Standard ISO model with DISS Fittings.

PORTER MIDAS HEAD 6050-UK £3,500.00

Porter Midas. Features touch screen, bluetooth and app compatability for remote use, Nitrous Oxide lock PIN, gas usage tracker, logs last 50 session, onboard diagnostics, updatable software, auto compensation mixer, built in gas cutoff alarms. Standard ISO model with DISS Fittings.

SEDATION PACKAGES

MDM SEDATION PACKAGE 9450 0150/P £5,480.00

Sedation Package comprising: MDM flowmeter, top mounting mobile 4 cylinder stand w/pair DISS medical gas supply hoses (oxygen/nitrous oxide), latex free reservoir bag, pack cylinder content labels (4) and scavenger breathing system.

Max Height 53" Min Height 40"

MIDAS SEDATION PACKAGE 6050-1001/P £6,180.00

Sedation Package comprising: Midas flowmeter, top mounting mobile 4 cylinder stand w/pair DISS medical gas supply hoses (oxygen/nitrous oxide), latex free reservoir bag, pack cylinder content labels (4) and scavenger breathing system.

Max Height 53" Min Height 20"

MATRIX MOUNTING OPTIONS

MOBILE 4 CYLINDER STAND 2045-3RA £2,420.00

Mobile 4 cylinder stand 26" Post (5 leg base) w/cylinder restraint and pair oxygen/nitrous oxide DISS/DISS hoses. Top mounting. Base 20" x 20"

TALL MOBILE STAND 2042 £386.00

Matrix high mobile stand. 5 leg base (no yoke assembly) Base 20" x 20"

SHORT MOBILE STAND 2040 £355.00

Matrix short mobile stand. 5 leg base (no yoke assembly) Base 20" x 20"

MATRIX SWING ARM BRACKET 2020 £345.00

Matrix telescopic swing arm bracket (extends 15"). Including bottom mounting peg.

MOUNTING PEG 9150 5093 £41.00

Swing arm bracket mounting peg with nut (for use with telescoping bracket)

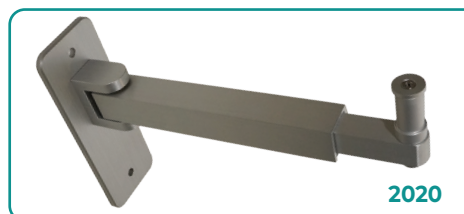
MATRIX SPARES

STAND T HANDLE A-4060-000 £42.00

Replacement T Handle for Matrix Mobile 4 Cylinder Stand

CYLINDER RESTRAINT C-1658-000 £140.00

Replacement cylinder restraint only for latest type of stand



PORTER SEDATION EQUIPMENT

SEDATION PACKAGES

C3000 MXR R A HEAD

C3000 £2,760.00

C3000 MXR R A head with dual seal failsafe, emergency air-intake and 100% oxygen flush button. Maximum 70% Nitrous Oxide. Standard ISO model with DISS Fittings.

SEDATION PACKAGE 1

C3400-RA £5,480.00

Sedation package comprising: C3000 MXR, top mounting 4 cylinder stand w/pair DISS medical gas supply hoses, reservoir bag, pack cylinder labels and scavenger breathing system. (Latex free)

SEDATION PACKAGE 2

C3400-RA Short £5,480.00

Sedation package comprising: C3000 MXR, low mounting (S Bracket) 4 cylinder stand (allows under cabinet storage), w/pair DISS medical gas supply hoses, reservoir bag, pack cylinder labels and scavenger breathing system. (Latex free)



2045-S3RA (head not included)

PORTER MOUNTING OPTIONS

MOBILE 4 CYLINDER STAND TOP 2045-3RA £2,420.00

Mobile 4 cylinder stand 26" post (5 leg base) w/cylinder restraint and pair oxygen/nitrous oxide DISS/DISS hoses. Top mounting.

MOBILE 4 CYLINDER STAND LOW 2045-S3RA £2,420.00

Mobile 4 cylinder stand as above but with low mounting S bracket. Maximum height 36". Base 13" by 19"

TALL MOBILE STAND 2042 £386.00

5-leg base (no yoke assembly). 36"

SHORT MOBILE STAND 2040 £355.00

5-leg base (no yoke assembly). Flowmeter height 21"

REPLACEMENT MXR BAG TEE ASSEMBLY P1407A £233.00

REPLACEMENT MXR KNOBS P2400 £142.00

Porter replacement knobs for MXR (pair) autoclavable.

PERSPEX COVER FOR C3000 PA-236-001 £60.00

Replacement clear perspex cover for Porter C3000 R A Head



RA2042 (MXR not included)



C3000

PORTER BREATHING SYSTEMS & DISPOSABLES

PORTER BROWN SYSTEM ADULT

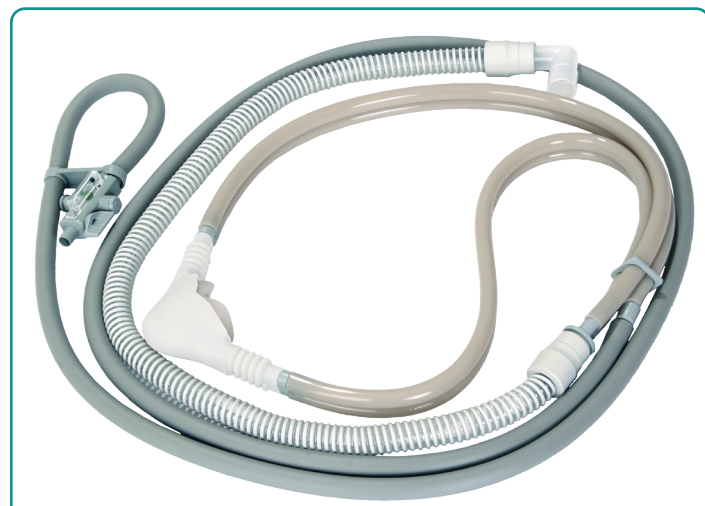
5155-1 £505.00

Porter brown scavenger breathing system w/Adult hood complete with outer mask, three inner liners and pair hood/hose connectors. Latex free & autoclavable.

PORTER BROWN SYSTEM PEDO

5155-2 £505.00

Porter brown scavenger breathing system w/Paediatric hood complete with outer mask, three inner liners and pair hood/hose connectors. Latex free & autoclavable.



5155-1 Porter Brown

PORTER ADULT HOOD ASSEMBLY

5054A £257.00

Porter Adult hood assembly comprising: Outer hood, three adult inner liners and pair of hood/hose connectors. Latex free and autoclavable.

PORTER PEDO HOOD ASSEMBLY

5054B £257.00

Porter Paediatric hood assembly comprising: Outer hood, three paediatric inner liners and pair of hood/hose connectors. Latex free and autoclavable.

PORTER OUTER HOOD - ADULT

5054-AD £226.00

Porter Adult outer hood. Complete with one inner liner and pair of hood/hose connectors. Latex free and autoclavable

PORTER OUTER HOOD - PEDO

5054-PD £226.00

Porter Paediatric outer hood. Complete with one inner liner and pair of hood/hose connectors. Latex free and autoclavable

PORTER HOOD LINERS - ADULT

5054-1 £58.00

Pack of 3 Adult inner liners. Latex free and autoclavable.

PORTER HOOD LINERS - PEDO

5054-2 £58.00

Pack of 3 Paediatric inner liners. Latex free and autoclavable.

REPLACEMENT LINER VALVES

5066 £25.00

Pack of 3 replacement Porter inner liner flapper valves. Latex free.



RA2056



RA2055



5053AD12
Pack of 12

PORTER DISPOSABLE LINERS

ADULT LINERS - PACK 12

Porter Adult Unscented disposable liners - (Green)

5053AD12
£43.00

ADULT LINERS - BOX 144

Porter Adult Unscented disposable liners box 144 (12 x packs 12) (Green)

5053AD144
£335.00

ADULT LINERS - PACK 12

Porter Adult Citrus disposable liners - (White)

5053AD12C
£43.00

ADULT LINERS - BOX 144

Porter Adult Citrus disposable liners - box 144 (12 x packs 12) (White)

5053AD144C
£335.00

PEDO LINERS - PACK 12

Porter Pedo Unscented disposable liners - (Green)

5053PD12
£43.00

PEDO LINERS - BOX 144

Porter Adult Unscented disposable liners - box 144 (12 x packs 12) (Green)

5053PD144
£335.00

PEDO LINERS - PACK 12

Porter Pedo Citrus disposable liners - (White)

5053PD12C
£43.00

PEDO LINERS - BOX 144

Porter Pedo Citrus disposable liners - box 144 (12 x packs 12) (White)

5053PD144C
£335.00

DISPOSABLE ITEMS

MORE PRODUCTS ON PAGE 8

DISPOSABLE COAXIAL HOSE

Pack 50 pairs disposable coaxial hose (green)

RA2006 £185.00

DISPOSABLE COAXIAL HOSE

Pack 100 pairs disposable coaxial hose (green)

RA2007 £330.00

DISPOSABLE HOOD/HOSE CONNECTORS

Pack 100 disposable hood/hose connectors (clear)

RA2055 £29.00

DISPOSABLE SLIDE ADJUSTER

Pack 50 disposable slide adjusters (clear)

RA2056 £18.00

PACK OF 10 VACUUM Y CON

Pack 10 disposable vacuum Y connectors (clear)

RA2057 £12.00

FRESH GAS Y CONNECTOR

Pack 100 disposable vacuum Y connectors (clear)

RA2058 £98.00



5054A



5054-PD



5044-1



5053AD12



5053PD12C



RA2006/7

PORTER SYSTEM SUNDRIES

COAXIAL INHALER TUBING

Pair Porter coaxial inhaler tubing (grey) autoclavable and latex free.

5056 £185.00

TENSION SLIDE ADJUSTER

Porter tension slide adjuster for coaxial hose (grey) autoclavable.

5057 £27.00

FRESH GAS HOSE Y CONNECTOR

Porter fresh gas Y connector (grey) autoclavable.

5058 £32.00

8 FOOT VACUUM HOSE

Porter replacement 8 foot vacuum hose (grey) autoclavable.

5059 £54.00

3 FOOT FRESH GAS HOSE

Porter 3 foot fresh gas hose (gray) non-autoclavable.

RA2065 £47.00

6 FOOT FRESH GAS HOSE

Porter 6 foot fresh gas hose (gray) non-autoclavable.

RA2066 £60.00

MASK TO TUBING CONNECTORS

Porter mask to coaxial hose tubing connectors (pair) (grey) autoclavable.

5061 £45.00

VACUUM HOSE Y CONNECTOR

Porter vacuum hose Y connector (grey) autoclavable.

5062 £32.00

VACUUM TUBE HOLDER

Porter vacuum hose management clip (grey) non-autoclavable.

5065 £27.00

VACUUM CONTROL BLOCK

Porter vacuum control block (flow limiter) non-autoclavable.

5501-RK £85.00

BLACK VACUUM ADAPTER

A-3679-000 £22.00

VACUUM HOSE CONNECTOR

Connector for joining two lengths of vacuum hose (white).

RA2010 £12.00

1.5M FRESH GAS HOSE

Optional fresh gas hose (cream) autoclavable.

RA2011 £46.00

VACUUM HOSE REINFORCING LOOP

Vacuum hose corrugated reinforcing loop.

RA2012 £16.00

AGS/PROBE ADAPTER

Porter AGS/probe adapter - for use with AGSS terminal.

RA2013 £56.00

2 LITRE RESERVOIR BAG

2 Litre latex free reservoir bag (grey) autoclavable.

RA2014 £36.00

3 LITRE RESERVOIR BAG

3 Litre latex free reservoir bag (grey) autoclavable.

RA2015 £36.00

BODOK SEALS

Replacement bodok seals - pack 4.

RA2017 £13.00

CYLINDER CONTENT LABELS

Cylinder content labels - pack 4. IN-USE / FULL.

RA2018 £14.00

RATCHET CYLINDER KEY

Ratchet cylinder key.

RA2019 £43.00

BULLNOSE CYLINDER KEY

Bullnose cylinder key (spindle).

RA2020 £14.00

FABRIC STAND COVER

Mobile 4 cylinder cover. Washable cotton fabric available in various colours/designs. Please call customer services for samples/available designs.

RA2021 £45.00

WIPE CLEAN STAND COVER

Mobile 4 cylinder cover. Wipe clean fabric available in various colours/designs. Please call customer services for samples/available designs.

RA2021W £55.00

T HANDLE FOR CYLINDER STAND

Replacement T handle for 4 cylinder stand yoke assembly

A-4060-000 £43.00

22MM FRESH GAS CONNECTOR

Porter 22mm right angled fresh gas connector (white).

1751-22 £26.00

MXR FLOW CONTROL KNOBS

Replacement MXR flow controls (pack of 2)

P2400 £142.00



A-3679-000



P2400



RA2013



1751-22



5065



PA-236-001



5057



fabric pattern and
design changes
RA2021



5501-RK



5061



A-4060-000



RA2020

RA2019



5058



5060-3



RA2014



5062



RA2017



RA2018

SILHOUETTE™ 2 BREATHING SYSTEM

SILHOUETTE 2 STARTER KIT **SIL2-RETRO-PKG** £58.00

Flowmeter connection kit (order one for each flowmeter) - Includes: cannula adapter, breathing bag cap, 2 metre fresh gas/vacuum tubing, 4 colour coded sizer masks and clip.

ADDITIONAL DISPOSABLE ITEMS

SILHOUETTE SIZER MASKS **SIL-SIZERS-4** £27.00

Colour coded - 1 for each size (included with SIL-CONN-KIT)

SILHOUETTE ADAPTOR KIT **SIL-ADPT-KIT** £50.00

3 each cannula adaptor, clip with strap and bag tee cap.

FRESH GAS AND VACUUM **B-5581-000** £55.00

Fresh gas and vacuum tubing, 3/8" + 1/4" x 2 metres long

CANNULA ANGLED ADAPTER **B-5603-000** £5.00

Single

CANNULA ANGLED ADAPTER (5) **B-5603-005** £22.00

5 pack

BAG TEE CAP - SINGLE **62905510W** £5.00

BAG TEE CAP (WHITE) PACK 5 **62905510W5** £16.00

22MM RIGHT ANGLE ADAPTER **1571-22** £25.00

VACUUM ADAPTER (BLACK) **A-3679-00** £22.00

VACUUM CONTROL BLOCK **5501-RK** £85.00



SIL-SIZER-4

SILHOUETTE 2 - 12 - PACKS

Variety 12 Pack: 3 Silhouette masks of each size - Paediatric, Adult Small, Medium, Large

12 Pack: Paediatric Silhouette Masks

Adult / Child small 12 pack: Adult Small Silhouette Masks

Adult Medium 12 pack: Medium Silhouette Masks

Adult Large 12 Pack: Large Silhouette Masks

SIL2-VAR-4X3
£85.00

SIL2-PEDO-12
£85.00

SIL2-SM-12
£85.00

SIL2-MED-12
£92.00

SIL2-LG 12
£92.00

SILHOUETTE 2 - 24 - PACKS

24 Pack: Paediatric Silhouette Masks

Adult / Child small 24 pack: Adult Small Silhouette Masks

Adult Medium 24 pack: Medium Silhouette Masks

Adult Large 24 Pack: Large Silhouette Masks

SIL2-PEDO-24
£150.00

SIL2-SM-24
£150.00

SIL2-MED-24
£156.00

SIL2-LG 24
£156.00



R A MEDICAL SUPER SMELLIES

SUPER SMELLIES

SUPER SMELLIES

SPRSMLS20182 | £60.00

Super Smellies are innovative, pen-like devices designed to dispense pleasant scents directly into dental nasal hoods, providing a calming and enjoyable experience for both children and adults during dental procedures. Each pack contains four distinct scents—"Betty Berry," "King Kola," "Molly Melon," and "Bobby Banana"—allowing patients to choose their favourite aroma. Each pen can be used up to 50 times, with one application per hood, offering a simple yet effective way to help distract patients from the procedure and reduce anxiety. By creating a more engaging and sensory-friendly environment, Super Smellies make dental visits more comfortable and less intimidating.



ACCUTRON SEDATION EQUIPMENT

ACCUTRON ULTRA SEDATION PACKAGES

ULTRA PC™ % FLOWMETER

31975-UK £2,760.00

Single-knob total flow control. Nitrous Oxide ratio control with 70% maximum. Oxygen fail-safe. Oxygen flush; 100 L/min. Oxygen resuscitator connection. Emergency air valve. Directional check valve. Standard ISO model with DISS fittings. Dimensions (WxHxD): 11cm x 27cm x 20cm. Weight: 2 kg.

ULTRA PC™ PACKAGE

36100-INT £5,480.00

Sedation package comprising: Ultra flowmeter, top mounting 4 cylinder stand w/pair oxygen/nitrous oxide DISS supply hoses, latex free reservoir bag, pack cylinder labels (4) and scavenger breathing system. Stand height with flowmeter: maximum 42"



ULTRA PC™
FLOWMETER

ACCUTRON ULTRA DIGITAL SEDATION PACKAGES

DIGITAL ULTRA FLOWMETER™

51975-RA £3,300.00

Digital and analogue flow indication for each gas. Dimensions: 7 1/2"W x 7"H x 8 3/4"D weight 6.3 lbs DISS fittings. For bracket mounting.

DIGITAL ULTRA PACKAGE

56100-INT £5,990.00

Includes: Digital Ultra flowmeter, Mobile 4 cylinder stand - top mounting inc pair oxygen/nitrous oxide DISS-DISS hoses, 2L reservoir bag, pack cylinder content labels & breathing system of choice.



Digital Ultra flowmeter

ACCUTRON MOUNTING OPTIONS

MOBILE 4 CYLINDER STAND

44000-INT £2,420.00

Mobile 4 cylinder stand (5 leg base) w/cylinder restraint and pair oxygen/nitrous oxide DISS/DISS hoses. Top mounting.

MOBILE 4 CYLINDER STAND (S)

26373-INT £2,420.00

Mobile 4 cylinder stand (5 leg base) w/cylinder restraint and pair oxygen/nitrous oxide DISS/DISS hoses. S bracket mounting.

TELESCOPIC WALL ARM

32001 £355.00

Telescopic swing arm bracket. Extends 12" to 17".

BI-FOLD WALL ARM

32003 £345.00

16" Bi-Fold wall arm.

ACCUTRON SUNDRIES

PERSPEX ULTRA PC COVER

24551 £50.00

E YOKE HANDLE

27302 £44.00

Replacement E yoke handle for Accutron mobile 4 cylinder stand.

NITROUS OXIDE LOCK KEY

24555 £25.00

Replacement set (2) Nitrous Oxide lock keys.

VELCRO STRAP

23579 £20.00

Replacement velcro strap for 4 cylinder stand restraint.



Accutron mobile 4
cylinder stand



Bi-Fold wall arm

ACCUTRON CLEARVIEW™ DISPOSABLE NASAL HOODS

CLEARVIEW NASAL HOODS

- Hood-in-hood design minimises ambient nitrous oxide in surgery
- Clear outer hood shows 'breathing through nose' respiration (condensation appears in hood)
- Soft inner hood creates improved facial seal
- Low profile expands clinical field of view
- Appealing colours and scents engage and relax patients
- Single-use minimises cross-contamination; saves staff time
- Use with other brands of scavenging system
- Latex Free



CLEARVIEW+™ NASAL HOODS - PACK 12 £75.00

Large Adult Unscented Grey	Single Patient Use Nasal Hoods	33034-9
Large Adult Outlaw Orange	Single Patient Use Nasal Hoods	33034-10
Large Adult French Vanilla	Single Patient Use Nasal Hoods	33034-14
Large Adult Fresh Mint	Single Patient Use Nasal Hoods	33034-16
Adult Unscented Grey	Single Patient Use Nasal Hoods	33035-9
Adult Outlaw Orange	Single Patient Use Nasal Hoods	33035-10
Adult Birthday Bubblegum	Single Patient Use Nasal Hoods	33035-12
Adult French Vanilla	Single Patient Use Nasal Hoods	33035-14
Adult Fresh Mint	Single Patient Use Nasal Hoods	33035-16
Pedo Unscented Grey	Single Patient Use Nasal Hoods	33037-9
Pedo Outlaw Orange	Single Patient Use Nasal Hoods	33037-10
Pedo Sassy Strawberry	Single Patient Use Nasal Hoods	33037-11
Pedo Birthday Bubblegum	Single Patient Use Nasal Hoods	33037-12
Pedo Groovy Grape	Single Patient Use Nasal Hoods	33037-17

ADDITIONAL DISPOSABLE ITEMS

DISPOSABLE COAXIAL HOSE Pack 50 pairs disposable coaxial hose (green)	RA2006	£185.00
DISPOSABLE COAXIAL HOSE Pack 100 pairs disposable coaxial hose (green)	RA2007	£330.00
DISPOSABLE HOOD/HOSE CONNECTORS Pack 100 disposable hood/hose connectors (clear)	RA2055	£29.00
DISPOSABLE SLIDE ADJUSTER Pack 50 disposable slide adjusters (clear)	RA2056	£18.00
VACUUM Y CONNECTOR 10 Pack of 10 Vacuum Y Connector	RA2057	£12.00
VACUUM Y CONNECTOR 100 Pack of 100 Vacuum Y Connector	RA2058	£98.00
22MM DISPOSABLE HOSE 10 Pack 10 800mm 22mm Disposable fresh gas hose	RA2080	£30.00
22MM DISPOSABLE HOSE 10 Pack 10 1200mm 22mm Disposable fresh gas hose	RA2081	£35.00
FRESH GAS Y CONNECTOR 10 Pack of 10 Fresh Gas Y Connector	RA2082	£17.00
FRESH GAS Y CONNECTOR 100 Pack of 100 Fresh Gas Y Connector	RA2083	£150.00



ACCUTRON SCAVENGER SYSTEMS & SCENTED DISPOSABLE MASKS

ACCUTRON SCAVENGER CIRCUIT

£450.00

Clearview scavenging circuit includes 3 foot fresh gas hose, vacuum control valve and complimentary ClearView single-use nasal hoods. Pack of 9 (3 small, 3 medium, 3 large)

43003

Scavenger circuit including 3 foot fresh gas hose, vacuum control valve and 24 assorted single-use scented hoods.

33010

Scavenger circuit including 3 foot fresh gas hose, vacuum control valve and large multi-use nasal hood.

33011

Scavenger circuit including 3 foot fresh gas hose, vacuum control valve and medium multi-use nasal hood.

33012

Scavenger circuit including 3 foot fresh gas hose, vacuum control valve and small multi-use nasal hood.

33013

SCENTED NASAL HOODS - PACK 24

£20.00

Small Outlaw Orange Single Patient Use Nasal Hoods
Small Sassy Strawberry Single Patient Use Nasal Hoods
Small Birthday Bubblegum Single Patient Use Nasal Hoods
Small Variety Pack (O,B,S) Single Patient Use Nasal Hoods

33017-10

33017-11

33017-12

33017-1

Medium Unscented Grey Single Patient Use Nasal Hoods
Medium Outlaw Orange Single Patient Use Nasal Hoods
Medium Sassy Strawberry Single Patient Use Nasal Hoods
Medium French Vanilla Single Patient Use Nasal Hoods.
Medium Variety Pack 1 (O,B,S) Single Patient Use Nasal Hoods
Medium Variety Pack 2 (PC,V,O) Single Patient Use Nasal Hoods
Medium Variety Pack 3 (P, M,V) Single Patient Use Nasal Hoods

33016-9

33016-10

33016-11

33016-14

33016-1

33016-2

33016-3

Large Variety Pack 3 (P, M,V) Single Patient Use Nasal Hoods

33015-3

PB TO ACCUTRON ADAPTER

35000

£105.00

Porter brown to Accutron nasal hoods adapter. Allows Accutron single nasal hoods -both autoclavable and disposable - to be used with the Porter brown scavenger system.

AUTOCCLAVABLE NASAL HOODS

£20.00

Multi-use Small autoclavable nasal hood (grey)
Multi-use Medium autoclavable nasal hood (grey)
Multi-use Large autoclavable nasal hood (grey)

33020

33019

33018

CLEARVIEW BREATHING CIRCUIT

43003

P.O.A

Porter brown to Accutron nasal hoods adapter. Allows Accutron single nasal hoods -both autoclavable and disposable - to be used with the Porter brown scavenger system. (MK2)

SCAVENGING CIRCUIT COMPONENTS

SCAVENGING HUB

22099

£46.00

Replacement clear perspex scavenging hub. Autoclavable.

FRESH GAS Y CONNECTOR

21245

£38.00

Replacement white fresh gas Y connector.

VACUUM Y CONNECTOR

21246

£38.00

Replacement white vacuum Y connector.

DOUBLE CONNECTORS

21178

£35.00

Replacement white single nasal hood/tubing connector (Pack 2).

VACUUM GAUGE

22122

£108.00

Replacement vacuum control gauge.

TUBE SLIDE

26253-FRU

£28.00

Replacement white double tube slide.

SPIRAL VACUUM TUBE

25592

£51.00

Replacement white spiral vacuum tube - 1 1/2"

SPIRAL VACUUM TUBE

25591

£58.00

Replacement white spiral vacuum tube - 3 1/2" (Includes single vacuum connector - part no: 26254).



PB to Accutron Adapter



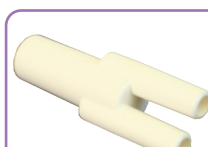
22099



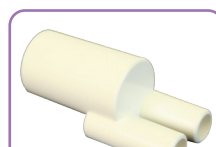
43003



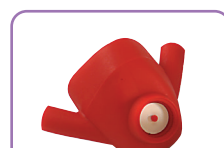
33018 | 33019 | 33020



21246



21245



33017-11 | Strawberry



33017-12 | Bubblegum



33016-10 | Orange

ACCUTRON AXESS SCAVENGER SYSTEM

ACTIVE SCAVENGING CIRCUIT

AXESS SCAVENGING CIRCUIT

53005

P.O.A

Includes 6' long low profile scavenging circuit with in-line vacuum controller, adapters for connecting non-Accutron vacuum controllers & instructions for use.

REPLACEMENT ITEMS

AXESS EXTENSION TUBING

53004

P.O.A

Tubing (extends by 32")



Axess low profile nasal masks offer better visibility and easier access with unobstructed view of the oral cavity. They are designed to connect to slender, lightweight scavenger circuit tubing which is autoclavable. The mask itself is single use only to minimise cross-contamination. Available in two scents; Mint & Bubblegum, also Unscented. The masks have a contoured design, providing a good seal to minimise ambient nitrous oxide and gas flow into the patient's eyes. Translucent colours and clear mask design show the patient is correctly breathing through their nose as the mask fogs upon exhalation. Latex Free.

AXESS LOW PROFILE NASAL MASK - PACK 24 LARGE

P.O.A

Large Unscented
Large Bubblegum
Large Mint

Single Patient Use Nasal Hoods
Single Patient Use Nasal Hoods
Single Patient Use Nasal Hoods

53034-9

53034-12

53034-16

AXESS LOW PROFILE NASAL MASK - PACK 24 MEDIUM

P.O.A

Medium Unscented
Medium Bubblegum
Medium Mint

Single Patient Use Nasal Hoods
Single Patient Use Nasal Hoods
Single Patient Use Nasal Hoods

53035-9

53035-12

53035-16

AXESS LOW PROFILE NASAL MASK - PACK 24 SMALL

P.O.A

Small Unscented
Small Bubblegum

Single Patient Use Nasal Hoods
Single Patient Use Nasal Hoods

53037-9

53037-12



MINISCAV™ SUNDRIES ITEMS

MINISCAV ACTIVE SCAVENGER

RA2070 £1,430.00

The Miniscav Active Scavenger Unit is designed for efficient and reliable waste gas management, making it an essential addition to any medical or industrial environment where gas scavenging is required. This compact unit is supplied with a 1-metre, 15mm flexible transfer hose assembly, equipped with quick-fit connections for easy setup and secure operation. The package also includes a robust, rigid external waste vent assembly and a 2-metre power lead, ensuring that installation is straightforward and adaptable to various settings.

Engineered to the highest standards, the Miniscav Active Scavenger Unit is CE marked and fully complies with IEC 60601-1:2005, guaranteeing safety, performance, and peace of mind. Its operation requires a standard 240V power socket and a 16mm external wall vent, making it compatible with most existing infrastructures.

Customisable Options: If your setup requires longer flexible transfer hose assemblies, we offer customization at an additional cost of £10.00 per metre, which can be added at the time of ordering. This allows for greater flexibility and adaptability to meet specific spatial requirements.

With its reliable construction, ease of use, and compliance with international standards, the Miniscav Active Scavenger Unit is the ideal solution for effective waste gas management.



Width 160mm x Length 320mm x Height 250mm /
Weight 9.25 Kg.

Distance between nylon fitting end face and mounting surface: 46.5mm
Clearance required for rear hose fitting: 92.41mm

USER GUIDANCE FOR MINISCAV™

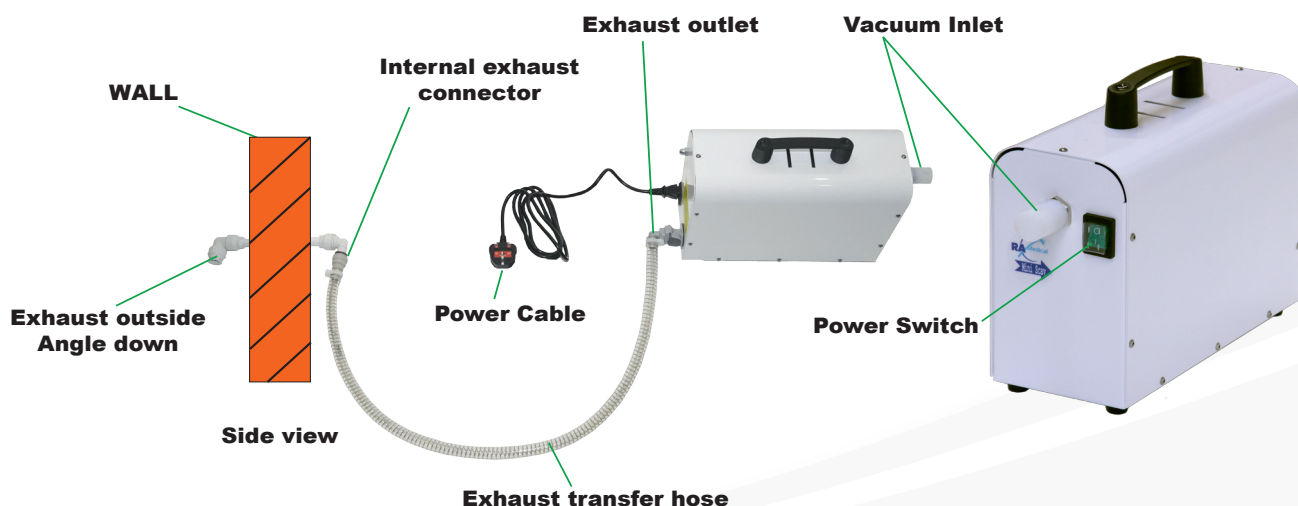
- 1) For installation please refer to the Manual; available on ramedical.com
- 2) It is essential to use an Active breathing system with the Miniscav - i.e. one capable of an air flow rate at the nasal mask of 40-45 L/min.

Please note: The Miniscav will not work with a Passive type dental breathing system i.e. corrugated hose and single nasal mask type.

Never hang the exhaust hose out of a window.

Note, 2020 onwards, Only new 'push fit' type of venting model available i.e. RA2070

Older models i.e. RA2046 will still be supported for a period of no more than 10 years and spare parts are available. For further information, please contact Customer Services on 01535 652444 or email info@ramedical.com



MINISCAV™

SUNDRIES ITEMS

PUSH FIT STYLE

EXTERNAL WASTE VENT ASSEMBLY RA2071 £43.00

(Latest Type) Additional rigid waste vent assembly with internal stem elbow fitting. Length of poly pipe 470mm standard

ONE METRE TRANSFER HOSE RA2072 £43.00

Replacement One metre hose assy with locking connections

TWO METRE TRANSFER HOSE RA2073 £53.00

Replacement Two metre hose assy with locking connections

REPLACEMENT INTERIOR ELBOW RA2077 £22.00

Stem elbow - Interior fitting.

REPLACEMENT EXTERNAL ELBOW RA2078 £22.00

Equal elbow connector - Exterior fitting.



REPLACEMENT POWER LEAD RA2060 £20.00



ONE METRE TRANSFER HOSE RA2085 £43.00

Replacement One metre hose assy with snap fit connection

TWO METRE TRANSFER HOSE RA2086 £53.00

Replacement Two metre hose assy with snap fit connection



NYLON 6 OUTLET

EXTERNAL WASTE VENT RA2047 £43.00

External Waste Vent Assembly - Original Style

ONE METRE TRANSFER HOSE RA2048 £43.00

Replacement One metre Transfer Hose - Black with green connectors

TWO METRE HOSE ASSY RA2049 £53.00

Replacement Two metre hose assy with Green connectors

ELBOW CONN 15M - 11M/15F RA1997 £12.00

Replacement elbow conn 15m - 11m/15F (green)

CONNECTOR 22F - 15M RA1962 £12.00

Replacement connector 22F - 15M (green)

CONNECTOR 15M - 22M RA1943 £12.00

Replacement connector 15M - 22M (green)



OXYGEN - NITROUS OXIDE CYLINDER STORAGE AND SUNDRIES

FLEXIBLE HOSES

OXYGEN FLEXIBLE MEDICAL GAS HOSE ASSEMBLY

RA2001 £90.00

One metre - DISS to BS probe. Note: to extend hose please call

NITROUS OXIDE FLEXIBLE MEDICAL GAS HOSE ASSEMBLY

RA2002 £90.00

One metre - DISS to BS probe. Note: to extend hose please call

OXYGEN FLEXIBLE MEDICAL GAS HOSE ASSEMBLY

RA2003 £90.00

(Flowmeter to stand) one metre DISS to DISS.

NITROUS OXIDE MEDICAL GAS HOSE ASSEMBLY

RA2004 £90.00

(Flowmeter to stand) one metre DISS to DISS.



RA2001



RA2002

ARM MOUNT OPTIONS

SOLID WALL MOUNT

2020 £335.00

Telescoping arm extends to 18"

CABINET MOUNT

2035-1 £335.00

Slide Away - extends 5" from cabinet. Base plate 9.5" X 3"

CABINET SLIDE MOUNT

P2036-3 £335.00

Slides out for easy access and retracts for storage. Base plate 10" x 5" - extends 9" from cabinet when in use.



2020



P2035-1



P2036-3

CYLINDER MANAGEMENT OPTIONS

WALL BRACKET D/E SIZE

CYB/DE2 £65.00

Twin wall mounting bracket - holds two D or E cylinders. W 36cm x D 11cm

WALL BRACKET F SIZE

CYB/F2 £65.00

Twin wall mounting bracket - holds two F size cylinders. W 43.6cm x D 12.5cm

WALL BRACKET G SIZE

CYB/G2 £65.00

Twin wall mounting bracket - holds two G size cylinders. W 51.1cm x D 14.6cm

WALL BRACKET J SIZE

CYB/J2 £65.00

Twin wall mounting bracket - holds two J size cylinders. W 61.4cm x D 17cm

PORTER OXYGEN TROLLEY

1538 £180.00

Mobile Oxygen trolley size E. With adjustable handle and equipment hook.

CYLINDER RATCHET KEY PIN INDEX

RA2019 £43.00

CYLINDER KEY - BULLNOSE

RA2020 £14.00



CYB/DE2



RA2019



1538

OXYGEN THERAPY REGULATORS

OXYGEN DIALREG - BN

R1403 P.O.A.

Oxygen dialreg - bullnose fitting. 0-15 L/min. This regulator is the most suitable one for emergency oxygen use when using an F size cylinder (capacity 1360 litres).

OXYGEN DIALREG - PI

R14035 P.O.A.

Oxygen dialreg - pin Index fitting. 0-15 L/min. This regulator is the most suitable one for emergency oxygen use with a E size cylinder (680 litres capacity)

MEDICAL GAS SIGNS

GAS SIGNAGE

RA2032 £10.00

Compressed gases sign - green diamond (adhesive for internal use only)

GAS RIGID SIGNAGE

RA2033 £20.00

Compressed gases sign - rigid plastic (for internal or external use)



RA2032/33

NITROUS OXIDE MONITORING PULSE OXIMETRY & RESUSCITATION

DIFMLS51 NITROUS OXIDE DIFFUSION TUBE

• Diffusion tubes for personal monitoring of Nitrous Oxide exposure in the workplace. The tube is worn close to the breathing zone for up to 8 hours to determine personal exposure levels.
Supplied product includes laboratory analysis and report.
Tube dimensions: 6.3mm OD x 5.0mm ID x 90mm long.

• Per tube : £92.00

Important Note: These items have a very limited shelf life and must be used and returned to the laboratory immediately following use to facilitate efficient analysis. If not used within 5 weeks of receipt, for whatever reasons, the tubes must be returned and a new order placed. No refund can be offered in this circumstance.
If tubes are not returned within 6 weeks of issue, there will be an additional charge levied of £70.00 per pen.
There will be a £18 outward carriage charge per pen or multiple pens.



Diffusion Tube

PULSE OXIMETERS

CREATIVE MEDICAL CR - PC900P-30

CR - PC900P-30 £900.00

Vital signs monitor SP02 analogue, PR & NIBP w/adult soft sensor



PULSE OXIMETERS

NONIN 7500

7500

£900.00

Avant benchtop unit. 12 hours use with 4 hour recharge or AC/DC power. Includes Adult finger sensor, power cord & charger. 3 year warranty on main unit and one year warranty on battery pack.



Nonin 7500

NONIN PROSTAND

PROSTAND2

£265.00

Rolling PRO stand with mounting plate for Creative PC - 900 - Pro Monitor



For Nonin 7500 &
Creative PC900P-30

MEDICAL GASES INFORMATION

MEDICAL GAS CYLINDER ADVICE

Oxygen Cylinders: The colour coding of the shoulders of compressed medical oxygen cylinders is white (RAL 9101). The colour coding of the cylinder body is now also white (RAL 9101). In addition, cylinders will carry the oxygen name on the body. For a limited period, some cylinders in circulation may still have black bodies, as shown in the box opposite. The programme to convert all compressed medical oxygen cylinders to white bodies will be completed by 2025.

Nitrous Oxide Cylinders: No change to colour coding anticipated.

Cylinder Bar Pressure: Please be aware that only oxygen medical gas cylinders filled to a maximum of 137 Bar should be used with Inhalation Sedation Equipment. **Important Notice:** There are some cylinders in circulation which have been pressurised to 200 Bar - these are not suitable and should not be used. **Any use of these 200 Bar cylinders will invalidate service or equipment warranty in place.** For further information please contact Customer Services.

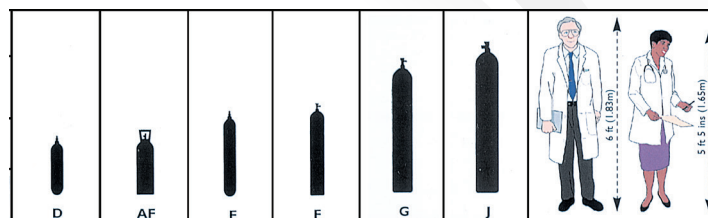
MEDICAL GAS CYLINDER CARE & STORAGE

1. Cylinders should be stored in a secure, weatherproof and well-ventilated area.
2. Cylinders should be secured by means of brackets or chains. E or D size cylinders may be stored horizontally.
3. The store should have an adequate means of access, to facilitate delivery and collection of cylinders.
4. The storage area should be clearly identified i.e. by use of compressed gases warning signage. The emergency services should be informed of cylinder store location.
5. So far as is practical, lighting and electrical equipment should be sited in a safe position, remote from the cylinder storage.
6. Lubricants should be avoided. Only lubricants that are especially made for oxygen service and specified by the equipment supplier should be used.
7. When handling Oxygen cylinders, always ensure that hands are clean and free from oil or grease. Alternatively, use clean gloves.
8. Medical gas pressure reducing regulators should be handled with care and replaced every 6 years - sooner if worn or damaged.
9. Separate or identify full, empty and faulty cylinders.

References: Take care with oxygen HSE (Rev 2) & HTM 02-01.

CYLINDER SIZING & IDENTIFICATION

OXYGEN			BODY SHOULDER	WHITE WHITE
NITROUS OXIDE			BODY SHOULDER	20D-45 20D-45



Customer Services:
tel: 0800 637 737
fax: 01675 467022
email: medical.aluk@airliquide.com



Air Liquide Medical
Station Road,
Coleshill
Birmingham
B46 1JY



Customer Services:
tel: 0800 111 333
fax: 0800 111 555
email: bochealthcare-uk@boc.com

BOC Medical
Priestley Road
Worsley
Manchester
M28 2UT

SOS Oxygen
Email: office@sosoxxygen.co.uk
Phone: 01257 254525



Registered Office Address:
Speciality Oxygen Service Ltd
Conway Industrial Estate
Appley Bridge
Lancashire
WN6 9DW (UK)

Cylinder Size	D	E	F	G	J
Approx Dimensions Inc Valve	490 x 102	830 x 102	890 x 140	1290 x 178	1600 x 230
Approx Weight Empty kg	3.8	6.6	13	30.6	68.7
Oxygen Valve Type	Pin-Index	Pin-Index	Bullnose	Bullnose	Pin-Index
Oxygen Gaseous Litres	0.34 (340)	0.68 (680)	1.36 (1360)	3.4 (3400)	10.6 (10600)
Nitrous Oxide Valve Type	Pin-Index	Pin-Index	Handwheel	Handwheel	Handwheel
Nitrous Oxide Gaseous Litres	0.5 (500)	1.8 (1800)	3.6 (3600)	9 (9000)	18 (18000)

R A MEDICAL

HOW TO SETUP GUIDE

WHERE DO I START?

Training (more on page 17)
Site Preparation
Scavenging
Equipment Choice (Lite overview call for more options)
Breathing systems
Maintenance (more on page 17)
Medical Gas Supply (See Page 15)

TRAINING SOURCES:

NEBDN: Dental Sedation Nursing Syllabus
SAAD: National Course in Sedation for Dentists & Dental Nurses
Dental Hospitals: follow the NEBDN Syllabus
Deaneries: Training and Study Days
Ongoing CPD: various elements
Private Trainers

SITE PREPARATION:

When a requirement for ihs has been identified then the following should be considered:

Suitable Premises/Surgeries – quantity
Type of inhalation sedation flowmeter – Analogue or Digital
Mounting Option
Medical Gas Supply - Piped or Stand-alone
Scavenging - breathing system/method of active draw
Infection Control considerations

Areas to consider when in planning stage:

How many surgeries to be used for inhalation sedation?
Multiple rooms may indicate need for a piped system – mobile stand-alone can be still used if all surgeries on same floor
Pre-planning vital to ensure all requirement adequately met
i.e. allowance for scavenging venting and cylinder storage

Cabinetry design essential to accommodate equipment
recommended a 500mm wide cabinet to accommodate, (300mm minimum - depending on mounting option chosen). For example, a swing arm bracket mounted pipeline fed MDM and Miniscav with an internally sliding door requires a 500mm minimum aperture.

SCAVENGING:

Must be compliant to COSHH and HTM 02-01
Scavenging should be 'Active' – definition of which is 'An air flow rate at the nasal mask of 40-45 L/min' See HTM 02-01 Chapter 10 and Appendix L.
Divided into two sections: Breathing System/Mask and Method of Active Draw for HTM 02-01 compliance.

AGSS Terminal with special AGS Adapter to allow connection to breathing system
Connection to Chair suction port – must be a HVE (High Volume Port) as the low volume does not allow sufficient level of draw and would allow leakage of waste gases as the patient exhaled
Miniscav – a stand alone cased pump requiring dedicated external venting

INHALATION SEDATION EQUIPMENT

Summary of Analog vs. Digital Sedation Flowmeters

Matrix Analogue MDM Flowmeter:

Developed in the 1960s, uses manual glass flowtubes, and is widely used in the U.K.
Features include oxygen/nitrous oxide control, failsafe mechanisms, and non-rebreathing check valve.
Can be mounted on stands or pipelines with various hose lengths.
Requires annual maintenance and lasts up to 20 years.
Heavier and larger dimensions with some infection control concerns.



Digital Ultra Flowmeter™:



Introduced in 2017, combines digital and analogue indicators with electronic controls.
Includes audible/visual alarms, flat screen with barrier shield for infection control.
Flexible mounting options: mobile stands, wall-mounted brackets.
Regular maintenance ensures 10+ years of service.
Lighter, compact, and better suited for modern infection control standards.

BREATHING SYSTEMS:

Reasonable variety available and choice is subject to individual preference.

Most popular remains the Porter brown double mask system – used either with the Porter autoclavable mask or the Clearview coloured/scented single patient use mask.
New systems are starting to gain in popularity i.e. the Porter Silhouette & Accutron Axxess
Mix and match is possible with certain disposable elements

MAINTENANCE OF EQUIPMENT

Recommended Annual O.E.M. (Original Equipment Manufacturer) Service – Ensure that the Service Provider is Manufacturer Trained/ Authorised with ongoing access to spare parts and training.
Benefit of on-site servicing – engineers can offer help and advice on the equipment usage.
Some items of equipment such as the Miniscav have a rolling programme: Year 1 – on-site Service Check to determine performance & Year 2 Service Exchange.
Breathing System/Masks – Once supplied, these are the responsibility of staff to inspect/care for. All components should be checked on a regular basis and replaced if showing signs of wear. Particularly the following: Reservoir bag – check ferrule neck area for holes or perishing / 8' grey vacuum hose – pinch between finger and thumb to determine integrity – if easily compressed – replace / check inner liner flapper valve – often missing or 'cockled' – replace / vacuum control block – check all around for damage or missing components – replace.

FREQUENTLY ASKED QUESTIONS AND USEFUL CONTACTS

DEFINITION OF CONSCIOUS SEDATION

Conscious sedation 4.11 GDC : Maintaining Standards

A technique in which the use of a drug or drugs produces a state of depression of the central nervous system enabling treatment to be carried out, but during which verbal contact with the patient is maintained throughout the period of sedation. The drugs and techniques used to provide conscious sedation for dental treatments should carry a margin of safety wide enough to render loss of consciousness unlikely. The level of sedation must be such that the patient remains conscious, retains protective reflexes, and is able to understand and to respond to verbal commands.

In the case of patients who are unable to respond to verbal contact even when fully conscious the normal method of communicating with them must be maintained.

EQUIPMENT FOR NITROUS OXIDE/OXYGEN INHALATION SEDATION

Dedicated purpose-designed machines for the administration of inhalation sedation (formerly termed relative analgesia) for dentistry should be used. Such machines should conform to British Standards and be maintained according to manufacturers' guidance with regular, documented servicing.

Scavenging of Waste Gases must be active and sufficient to fully conform to current C.O.S.H.H. standards. Breathing systems should have a separate inspiratory and expiratory limb to allow proper scavenging. Nasal masks should be close fitting providing a good seal without air entrainment valves.

Ref: **Conscious Sedation in the Provision of Dental Care. Report of an Expert Group on Sedation for Dentistry DOH 2003**

USEFUL CONTACTS

Society for Advancement of Anaesthesia In Dentistry
21 Portland Place, London. W1B 1PY
email: info@saad.org.uk

Executive Secretary - Fiona Trimmingham
Tel: 01302 846149
www.saad.org.uk

Dental Sedation Teachers Group
email: enquiries@dstg.co.uk
Brian Kerr - Chairman
King's College London Dental Institute
Floor 26, Tower Wing,
Guy's Hospital, Great Maze Pond,
London SE1 9RT
www.dstg.co.uk



WHY SHOULD I HAVE MY EQUIPMENT SERVICED?

'Conscious Sedation in the Provision of Dental Care' 2003, states that equipment should receive "regular and documented servicing".

Equipment should be maintained by a O.E.M. (Original Equipment Manufacturer) trained Service Provider. In the UK this effectively means one field service per annum. However, frequency of equipment use may indicate a requirement for 6 monthly service intervals.

A standard field service includes: Engineer attending on site, all standard service components, certification and performance warranty. Cover does not include accidental damage or equipment misuse.

Please note: Any damaged or failed components, additional to standard parts and replaced at time of service are charged at list price in operation at time of service visit.

A postal service facility is also available for more remotely placed equipment, where it may not always be possible to offer an engineer attending on site on a regular basis.

Service of other Manufacturer flowmeters is available - please contact our Customer Service Department for further details.

R A Medical Services are the sole O.E.M. trained service provider in the UK and Eire for the following range:
Porter, Matrx and Accutron.

HOW DO I ORGANISE A SERVICE VISIT?

Contact Customer Services on 01535 652444 or email info@ramedical.com
A Service Co-ordinator will then contact you to arrange a visit.

Every endeavour is made to accommodate specific requests with regard to time of day and date of attendance.

Following a service visit, you will then be automatically offered a visit on an annual basis unless instructed otherwise.

Important Note: It is vital that sufficient supplies of oxygen and nitrous oxide medical gases are available when the engineer attends on-site. Failure to provide these may result in a failed attendance charge being levied.

CODE OF PRACTICE: As a member of the British Dental Industry Association, R A Medical adhere to a Code of Practice. As such, we agree to ensure, as far as is practical or achievable, to ensure that products offered for sale are supported by adequate stocks and technical information. In addition, we as suppliers have ensured that equipment repair facilities and spare parts will be available to support the customer for the normal life of the product.



PAYMENT TERMS, CONDITIONS OF SALE & HOW TO PAY

CONDITIONS OF SALE

Minimum Order Charge: £20.00.

All prices quoted are exclusive of VAT, carriage and packaging. Prices charged will be those ruling at the date of receipt of order. Occasionally, it may be necessary to raise prices from list and the customer will be informed of any change prior to goods being despatched.

Orders will be accepted by email but must be accompanied by a named person or purchase order number.

R A Medical Services must be notified within 3 working days of any shortages, damaged or incorrect goods.

The right is reserved to charge up to 50% of the total invoice inclusive of carriage charges for orders cancelled or returned for any of the following reasons:

1. Once an order has been received and progression has commenced.
2. Once an order has been despatched.
3. If the goods have been received and subsequently it is determined they are not required and are returned to R A Medical Services.
4. If the wrong description or order code has been given and goods are despatched.

Please Note: R A Medical Services reserve the right to change pricing at our own discretion without any period of notification.

HOW TO ORDER

Orders will be accepted by the following methods:

Solely by Email: sales@ramedical.com

HOW TO PAY

BACS*

R A Medical Services Ltd

Sort Code: 20-45-14
Account no: 40691666

SWIFTBIC: BUKGBB22
IBAN: GB07 BUKB 2045 1440 6916 66

Credit Card:

This service is now available. Please ring Customer Services on 01535 652 444 for further details and to pay.

*** BACS is the preferred method of payment.**

PAYMENT TERMS:

Payment is required by proforma payment.
Payment must be made within the stated terms. Statements are only issued by request, so payment should be made on the original invoice. Failure to do so may result in interest being charged.

All goods and services remain the property of R A Medical Services Ltd until paid for in full.

R A Medical Services reserve the right to change or alter product design and/or specification without prior notice or warning.





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