

2014 Animal Health

MATRIX® ANESTHESIA
SERVICE PARTS GUIDE





Practice With Confidence.

When you partner with Midmark, you can rest assured that you are using the best. The Midmark family of veterinary products represents an unswerving commitment to quality and value backed by over 90 years of healthcare manufacturing and clinical use experience.

Midmark Customer Service

Midmark Customer Service personnel are available to serve your needs from 8:00 AM - 5:00 PM, Monday through Friday, EST.

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For equipment information or order placement contact Customer Service at 1-800-MIDMARK, press 8, then 8951.

Midmark Technical Service

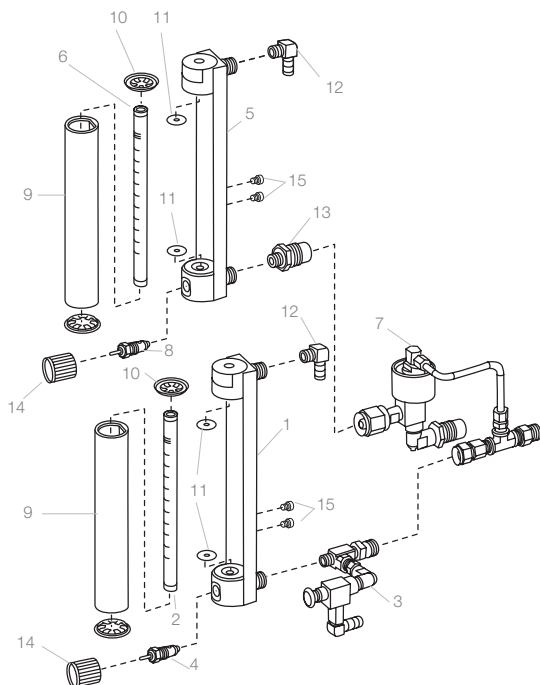
Midmark Technical Service personnel are available to serve your needs from 8:00 AM - 5:00 PM Monday through Friday, EST. 1-800-MIDMARK, press 8, then 8020.

Service and Repair

Contact Technical Service at 1-800-MIDMARK or fax your service parts or repair orders to 1-877-725-6495.

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Matrix VML® Flowmeter Assemblies

Matrix VML® O₂ Flowmeter Assembly without Flush

- 1 91805082 (USA)
91805066 (ISO/Canadian)

Matrix VML O₂ Flowmeter Tube Only

- 2 91800642 .5 - 10 lpm

Matrix VML O₂ Flush Valve Assembly

- 3 92305375 (USA/ISO/Canadian)

Replacement O₂ Needle Valve with Positive Stop

- 4 91800655 Knob Sold Separately, see item #14, right

Matrix VML N₂O Flowmeter Assembly without Fail-safe

- 5 91805085 (USA)
91805072 (ISO/Canadian)

Matrix VML N₂O Flowmeter Tube Only

- 6 91800645

N₂O Fail-safe Assembly

- 7 n/a Not Available

Replacement N₂O Needle Valve Assembly with Positive Stop

- 8 91800655 Knob Sold Separately, see item #14, right
9 91805600 Replacement Lens
10 91805400 Replacement End Caps .5 - 10 lpm
11 91800269 Replacement Gaskets .5 - 10 lpm
12 91800271 Repl. 90° Elbow, 1/4M Hose Barb x 1/8" NPT.
13 91800272 Repl. N₂O DISS Fitting.
n/s 10555200 Screw kit for Matrix VML #10-32 x 3/8

Matrix VMS®/VMS® Plus/ VME®/VME2®/ VMR® Flowmeter Assemblies

Matrix VMS®/VMS® Plus/VME®/VME2®/VMR® O₂

Flowmeter Assembly without Flush

- 1 91805081 (USA)
91805064 (ISO/Canadian)
91805083 (USA) (0 - 1000cc)
91805068 (ISO/Canadian) (0 - 1000cc)

Matrix VMS/VMS Plus/VME/VME2/VMR O₂ Flowmeter Tube Only

- 2 91800641 .2 - 4 lpm
91800643 0 - 1000cc

Matrix VMS O₂ Flush Assembly

- 3 92305375 (USA/ISO/Canadian)
61900300 Push Button

Matrix VMS Plus/VME2 O₂ Flush Valve Assembly

- 3 92305398 (USA/ISO/Canadian)

Replacement O₂ Needle Valve Assembly with Positive Stop

- 4 91800655 Knob Sold Separately, see item #14

Matrix VMS/VMS Plus/VME2 N₂O Flowmeter Assembly without Fail-safe

- 5 91805084 (USA)
91805070 (ISO/Canadian)
91805086 (USA) (0 - 1000cc)
91805074 (ISO/Canadian) (0 - 1000cc)

Matrix VMS/VMS Plus/VME2 N₂O Flowmeter Tube Only

- 6 91800644 .2 - 4 lpm
91800646 0 - 1000cc

N₂O Fail-safe Assembly

- 7 ² n/a Not Available

Replacement N₂O Needle Valve Assembly with Positive Stop

- 8 91800655 Knob Sold Separately, see item #14
9 91805600 Replacement Lens
10 91805300 Replacement End Caps .2 - 4 lpm
91805500 Replacement End Caps 0 - 1000cc
11 91800268 Replacement Gaskets .2 - 4 lpm
91800270 Replacement Gaskets 0 - 1000cc
12 91800271 Repl. 90° Elbow, 1/4M Hose Barb x 1/8" NPT
13 91800272 Repl. N₂O DISS Fitting.

Replacement Needle Valve Knobs

- 14 91800702 Green
91800704 Blue
91800703 White
15 10503100 Screw kit for Matrix VMS Plus flowmeter #10-32 x 1/4
10503200 Screw kit for Matrix VMS, VME and VMR #10-32 x 5/16

Matrx VMS®/VMS® Plus/VME® Flowmeter Assemblies

Matrx VMS®/VMS® Plus/VME® O₂ Flowmeter Tube Only

1	63902902	(USA)
	91805039	(ISO/Canadian/Swedish)
	62966000	(USA/ISO/Canadian/Swedish) (0-1000cc)

Matrx VMS O₂ Flush Valve Assembly

2	92305375	(USA/ISO/Canadian)
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Matrx VMS Plus O₂ Flush Valve Assembly

2	92305398	(USA/ISO/Canadian)
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Replacement O₂ Needle Valve Assembly with Positive Stop

3	63300512	(USA)
	63300701	(ISO/Canadian/Swedish)

Matrx VMS/VMS Plus N₂O Flowmeter Tube Only

4	63902901	(USA)
	91805034	(ISO/Canadian/Swedish)

N₂O Fail-Safe Assembly

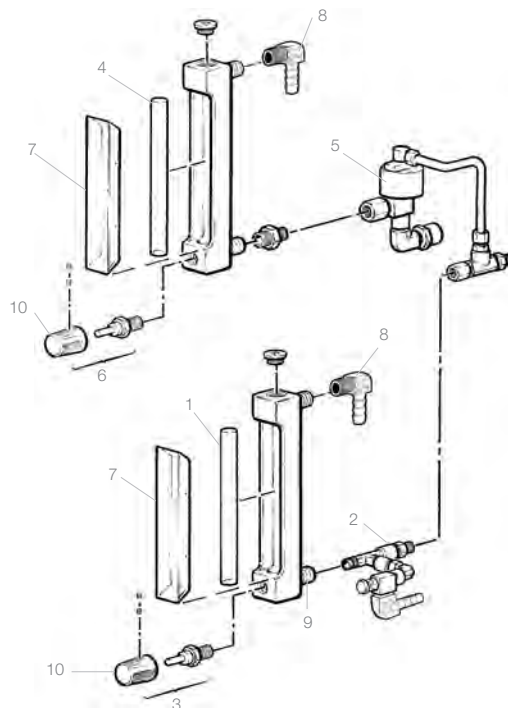
5	n/a	Not Available
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Replacement N₂O Needle Valve Assembly with Positive Stop

6	63300513	(USA)
	63300703	(ISO/Canadian/Swedish)
7	92815409	Plastic Cover
8	62917008	90° Elbow, 1/4M Hose Barb x 1/8" NPT.
9	91805042	Inlet/Outlet Adapter NPT x 1/4.
n/s	10503200	Screw kit for Matrx VMS, VME and VMR™ #10-32 x 5/16

Replacement Needle Valve Knobs

10	65927101	Green
	65927102	Blue
	65927103	White



Matrx VML® Flowmeter Assemblies

Matrx VML O₂ Flowmeter Tube Only

1	63902802	(USA)
	91805040	(ISO/Canadian/Swedish)

Matrx VML O₂ Flush Valve Assembly

2	92305375	(USA/ISO/Canadian/German/Swiss)
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Replacement O₂ Needle Valve Assembly with Positive Stop

3	63300512	(USA)
	63300701	(ISO/Canadian/Swedish)

Matrx VML N₂O Flowmeter Tube Only

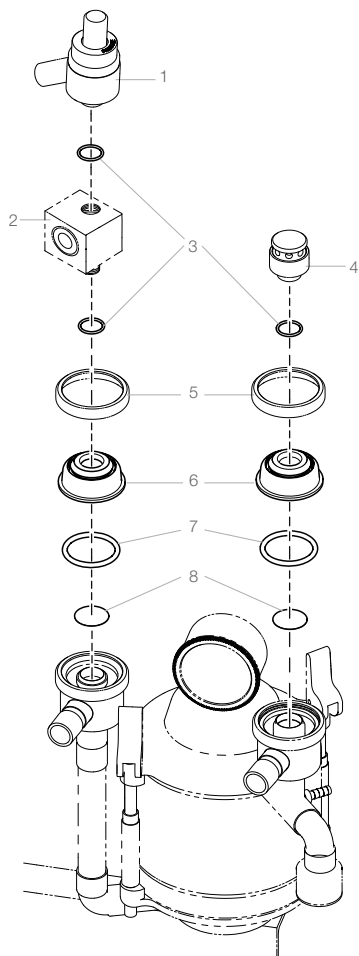
4	63902801	(USA)
	91805035	(ISO/Canadian/Swedish)

N₂O Fail-safe Assembly

5	n/a	Not Available
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Replacement N₂O Needle Valve Assembly with Positive Stop

6	63300513	(USA)
	63300703	(ISO/Canadian/Swedish)
7	92815409	Plastic Cover
8	62917008	90° Elbow, 1/4M Hose Barb x 1/8" NPT
9	91805042	Inlet/Outlet Adapter NPT x 1/4
n/s	10555200	Screw kit for Matrx VML #10-32 x 3/8



Matrix VMS/VMS Plus/VMC Inh/Exh Valve Parts

Inhalation/Exhalation Valves

Matrix VMS®/VMS® Plus/VMC® Inhalation/Exhalation Valve Parts

- | | | |
|---|-------------|---|
| 1 | 002-1702-00 | APL Valve |
| 2 | 93805114 | Occlusion Valve (VMS and VMS Plus Only) |
| 3 | 63200145 | O-Ring |
| 4 | 92805012 | Air Intake Valve |
| 5 | 10010500 | Dome Retainer Ring |
| 6 | 92805015 | Plastic Dome |
| 7 | 63200113 | O-Ring |
| 8 | 10049000 | White Nylon Valve Disc |

Matrix VML® Inhalation/Exhalation Valve Parts

- | | | |
|-----|----------|---|
| 8A | 20004500 | Dome Retainer Ring |
| 9 | 20048200 | Plastic Dome Assembly |
| 10 | 61200700 | Gasket |
| 11 | 10006600 | Nylon Disc |
| 12 | 10006400 | Dome Pin |
| n/s | 63200124 | Lower O-Ring (2-153) |
| n/s | 62500121 | Pan Head Screw – 10-32 x 1/2
for mounting valve to VML |

Matrix VME2®/VME® Tabletop Inhalation/Exhalation Valve Parts

- | | | |
|----|-------------|-------------------------------|
| 13 | 65927800 | Thumbscrew |
| 14 | 10391800 | Dome Clamp |
| 15 | 10010200 | Dome, Inhalation VME Tabletop |
| 16 | 92805015 | Dome, Exhalation VME Tabletop |
| 17 | 63200113 | O-Ring |
| 18 | 10049000 | White Nylon Valve Disc |
| 19 | 002-1702-00 | APL Valve |

Matrix VML Tie Rod Assembly

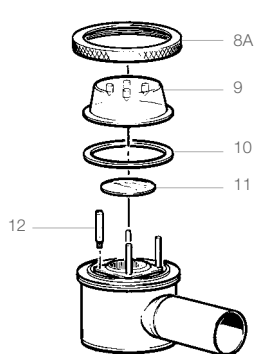
- | | | |
|----|----------|--------------------|
| 1A | 61920700 | Knob |
| 2A | 61600200 | White Nylon Washer |
| 3A | 20047400 | Tie Rod |

Matrix VML APL Valve Assembly

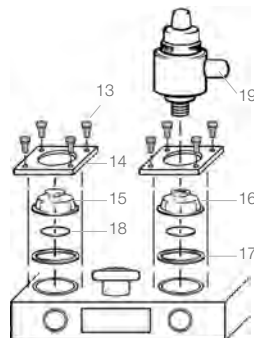
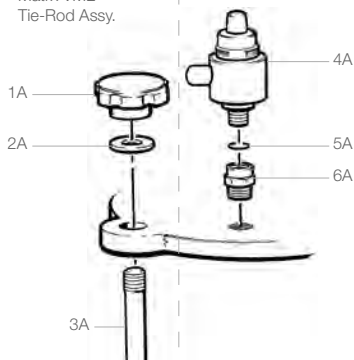
- | | | |
|----|-------------|-------------------|
| 4A | 002-1702-00 | APL Valve |
| 5A | 63200145 | O-Ring |
| 6A | 20113500 | APL Valve Adapter |

NOTE:

Part number 63200145 is included with APL Valve and Air Intake Valve but can be ordered separately.



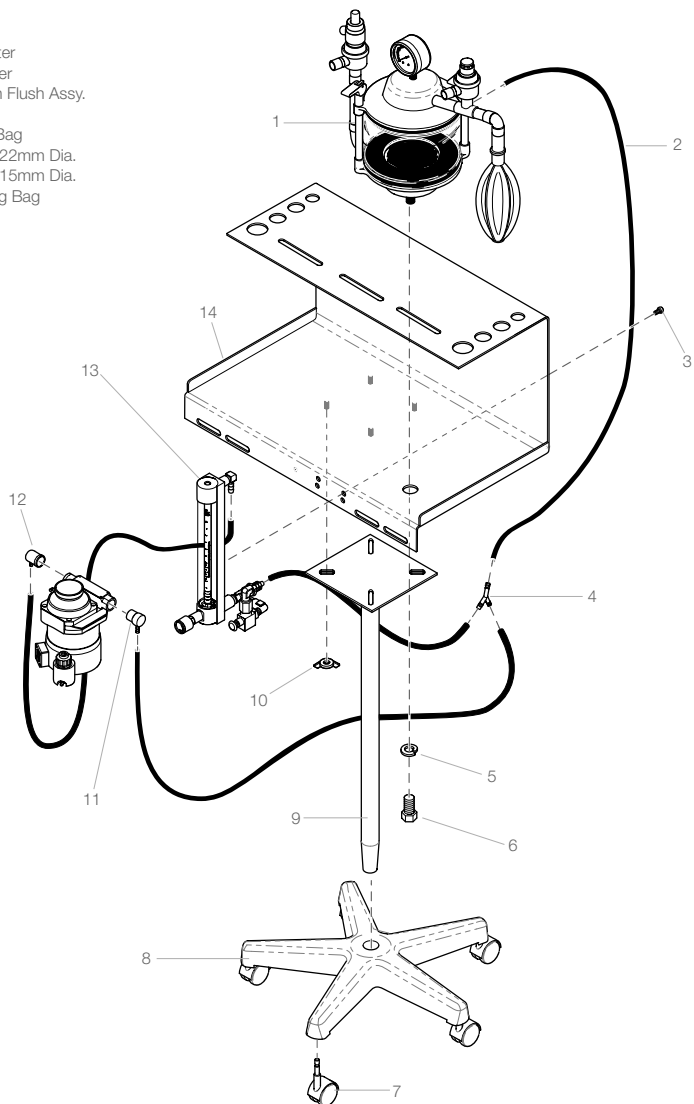
Matrix VML
Tie-Rod Assy.

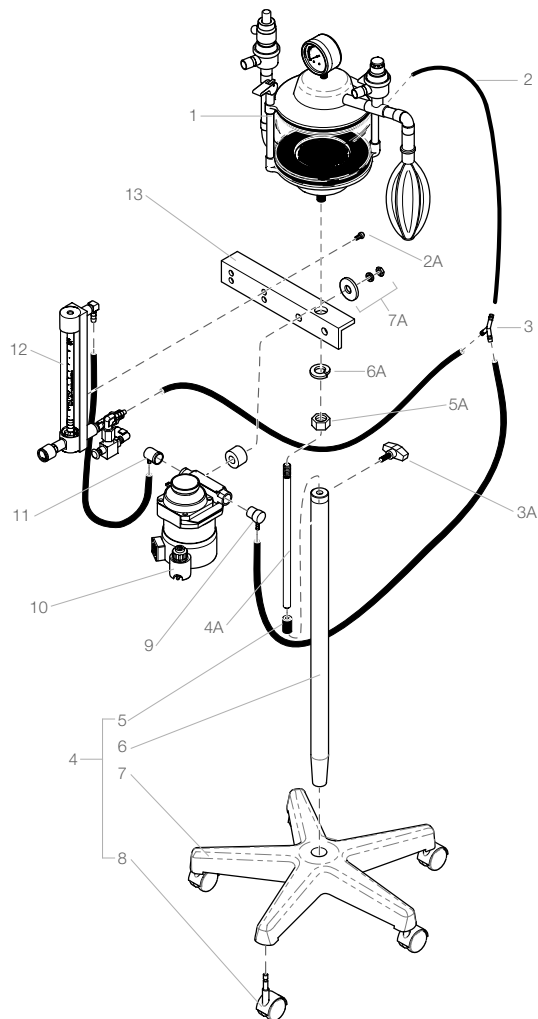


Matrix VME2®/VME® Tabletop Inhalation/
Exhalation Valve Parts

Matrx VMS® Plus

n/s	91303015	Maintenance Kit for Matrx VMS®, VMS® Plus, VMC®
1	91800039	VMS Absorber Assembly
	029-5151-02	a) VMS units with a "V" serial number prefix b) VMS units without a "V" serial number prefix
2	91315075	Black Neoprene Rubber Tubing, 1/4" ID. (specify length in inches when ordering)
3	10503100	Screw Kit (10-32 x 5/6")
4	61911000	"Y" Connector
5	62600204	Lock Washer
6	62700112	Bolt
7	65928400	Caster
8	61902403	Spider Base, 5-Leg
9	65929300	Column
10	61402002	Wing Nut
11	92305073	FS-2 Outlet Adapter
12	92305072	FS-2A Inlet Adapter
13	91800203	O ₂ Flowmeter with Flush Assy.
14	050-8688-00-216	Shelf
n/s	91316042	2 Liter Breathing Bag
n/s	91316420	Breathing Circuit, 22mm Dia.
n/s	91316419	Breathing Circuit, 15mm Dia. w/1 Liter Breathing Bag





Matrix VMS®

n/s	91303015	Maintenance Kit for Matrix VMS®, VMS® Plus, VMC®
1	91800039	VMS Absorber Assembly
	029-5151-02	a) VMS units with a "V" serial number prefix b) VMS units without a "V" serial number prefix
2	91315075	Black Neoprene Rubber Tubing, 1/4" ID (specify length in inches when ordering)
3	61911000	Nylon "Y" Connector
4	91806046	VMS 40" Stand Assembly includes items 5-8, 3A-6A
5	91305280	Post Mount Spacer
6	20122401	Column
7	61902403	Spider Base, 5 leg
8	65928400	3" Caster
9	92305073	FS-2 Outlet Adapter
10		Vaporizer
11	92305072	FS-2A Inlet Adapter
12	91800206	O ₂ Flowmeter with Flush Assy
13	050-8413-00-312	Mounting Bracket

Detail A (rear view)

1A	91525269	Optional Drain Valve Assembly
2A	10503200	Screw kit for Matrix VMS, VME® and VMR #10-32 x 5/16
3A	65936800	Tee Handle-Stand
4A	92505017	15" Mounting Stud
5A	62400318	Hex Nut 5/8"-18
6A	62600204	5/8" Lock Washer
7A	91305093	Vaporizer Mounting Kit for Matrix VMS, VMC and VML®
n/s	91525270	Replacement Pipe Plug Assembly

For Matrix VMS inhalation/exhalation valve parts, see page 4.
For Matrix VMS nitrous oxide/oxygen flowmeter assemblies and parts,
see pages 2 and 3.

Absorber Quick Release Conversion Kit

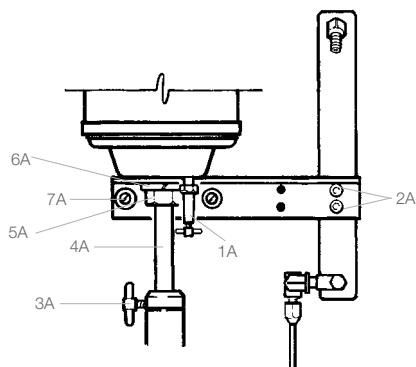
Easily convert a thumb nut version absorber to a convenient quick release absorber. Simple flip lever locking mechanism allows you to easily seal the absorber canister. Compatible with anesthesia machines manufactured by Fraser Harlake, Ohmeda and Matrix Medical.

91800138	Quick Release Conversion Kit
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Matrix VMS to VMS Plus Conversion Kit

Update your existing Matrix VMS anesthesia machine to a Matrix VMS Plus anesthesia machine.

91800167



Matrix VMS – Detail A Rear View

Matrx VMC® Small Animal Anesthesia Machine

n/s	91303015	Maintenance Kit for Matrx VMS®, VMS® Plus, VMC®
1	62400314	Nut (3/8 - 16) (Tabletop units only)
2	77009124	Washer (3/8") (Tabletop units only)
3	62947401	Leveler (Tabletop units only)
4	65913901	Leveler Cap (Tabletop units only)
5	65928400	3" Caster
6	61902403	Spider Base, 5 Leg (Mobile units only)
7	65927000	Column Assembly (Mobile units only)
8	63500114	Screw (socket head 1/4 - 20 x 5/8")
9	62600206	Lock Washer (1/4")
10		Vaporizer (Not Included)
12		VMC Absorber Assembly
	91800040	VMC with a "V" serial number prefix
	029-5151-03	VMC without a "V" serial number prefix
14	63200102	O-Ring
15	10019700	Inlet Adapter, plated
16	20028600	Absorber Mount (right or left)
n/s	62600208	Absorber Mount Lock Washer
n/s	63500145	Absorber Mount Screw - 3/8-16 x 1"
17	91315076	5/16 ID Vap. Tubing (specify length in inches when ordering)
n/s	92305073	FS-2 Outlet Adapter
n/s	91315075	Black Neoprene Rubber Tubing, 1/4" ID (specify length in inches when ordering)
n/s	62900800	45° Hose Connector

Matrx Quantiflex VMC® Head

13	40010201	USA
	40064101	ISO/Canadian

Matrx Spartan VMC® Head

13	40072901	USA
	40074901	ISO/Canadian

Matrx Quantiflex N₂O Positive Stop Needle

Valve Assembly (not shown)

63300513	USA
63300703	ISO/Canadian/Swedish

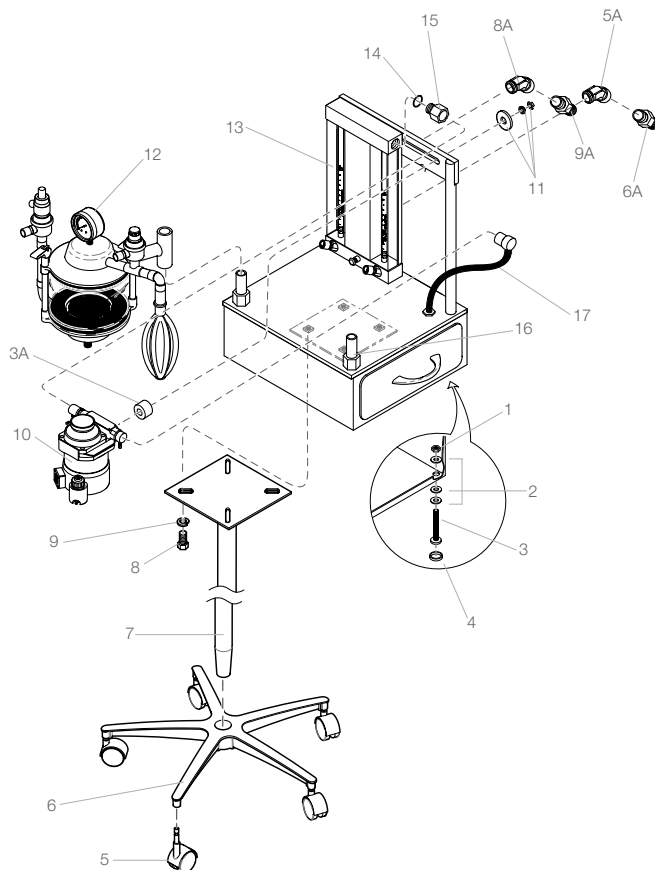
O₂ Positive Stop Needle Valve Assembly

(for all oxygen flowmeters - not shown)

63300512	USA
63300701	ISO/Canadian/Swedish

Detail A – Side View VMC

1A	20028400	Upright Bar
2A	20028500	Back Bar
3A	91305093	FS-44 Spacer Kit for mounting
4A	63500102	Socket Head Screw - #6-32 x 3/8
5A	62900101	O ₂ - 45° Street Elbow
6A	92305043	O ₂ DISS Connect (All except Swedish).
	10174300	O ₂ DISS Connect (Swedish)
7A	30020200	Back Cover
8A	62900102	N ₂ O - 45° Street Elbow 1/8 NPT
9A	91305041	N ₂ O DISS Connect (All except Swedish)
	10173700	N ₂ O DISS Connect (Swedish)
10A	62600404	Lockwasher
11A	62500107	Pan Head Screw
n/s	20013100	Stand Off
n/s	62600105	1/4 Flat Washer
n/s	62400104	1/4-20 Acorn Nut



Matrx VMC – Detail A Side View

n/s = not able to show in illustration.

Matrix VMS®/VMS® Plus

91800039 Matrix VMS® Absorber Assembly
includes items 1-16

1	002-1702-00	APL Valve
2	92805012	Air Intake Valve
3	91800434	Pressure Gauge
n/s	91800435	Pressure Gauge Replacement Cover-Wexler (Included with 91800434)
n/s	91315276	Pressure Gauge Replacement Cover-Marshall
4	92316066	Upper Gasket
5	61919800	Screen (upper or lower)
6	92300519	Canister Assembly, includes canister, lower gasket/screen and fill label.
7	62905900	Fill Label
8	92316067	Lower Gasket
9	93805114	Occlusion Valve (VMS and VMS Plus only)
10	62400344	Hex Nut
11	10404200	Tie Rod
12	10046500	Sleeve
13	61100400	Compression Spring
14	65943500	Nylon Washer
15	10404000	"Quick Release" Lever
16	65929700	"Quick Release" Lever Pin
n/s	92805126	Canister w/Decal & Ring, No Gaskets
n/s	91525269	Optional Drain Valve Assembly
n/s	91525270	Replacement Pipe Plug Assembly

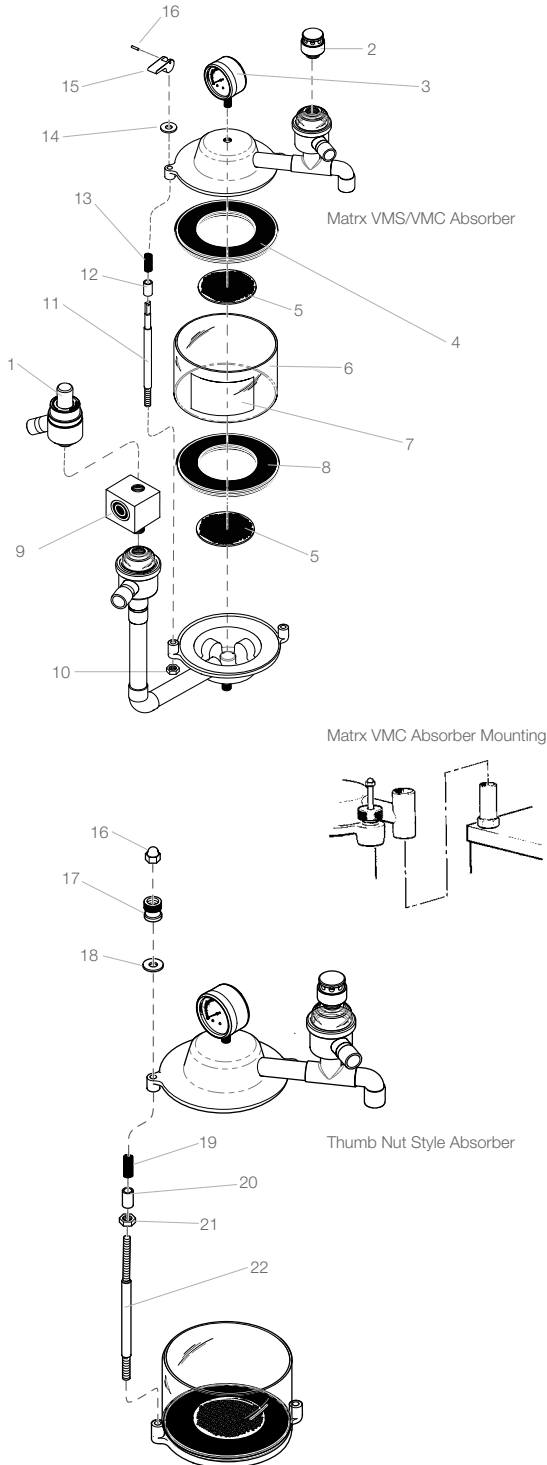
Matrix VMC® Absorber

91800040 Matrix VMC Absorber Assembly
includes items 1-16

1	002-1702-00	APL Valve
2	92805012	Air Intake Valve
3	91800434	Pressure Gauge
n/s	91800435	Pressure Gauge Replacement Cover-Wexler (Included with 91800434)
n/s	91315276	Pressure Gauge Replacement Cover-Marshall
4	92316066	Upper Gasket
5	61919800	Screen (upper or lower)
6	92300519	Canister Assembly, includes canister, lower gasket/screen and fill label.
7	62905900	Fill Label
8	92316067	Lower Gasket
9	93805114	Occlusion Valve (optional)
10	62400344	Hex Nut
11	10404200	Tie Rod
12	10046500	Sleeve
13	61100400	Compression Spring
14	65943500	Nylon Washer
15	10404000	"Quick Release" Lever
16	65929700	"Quick Release" Lever Pin
n/s	92805126	Canister w/Decal & Ring, No Gaskets

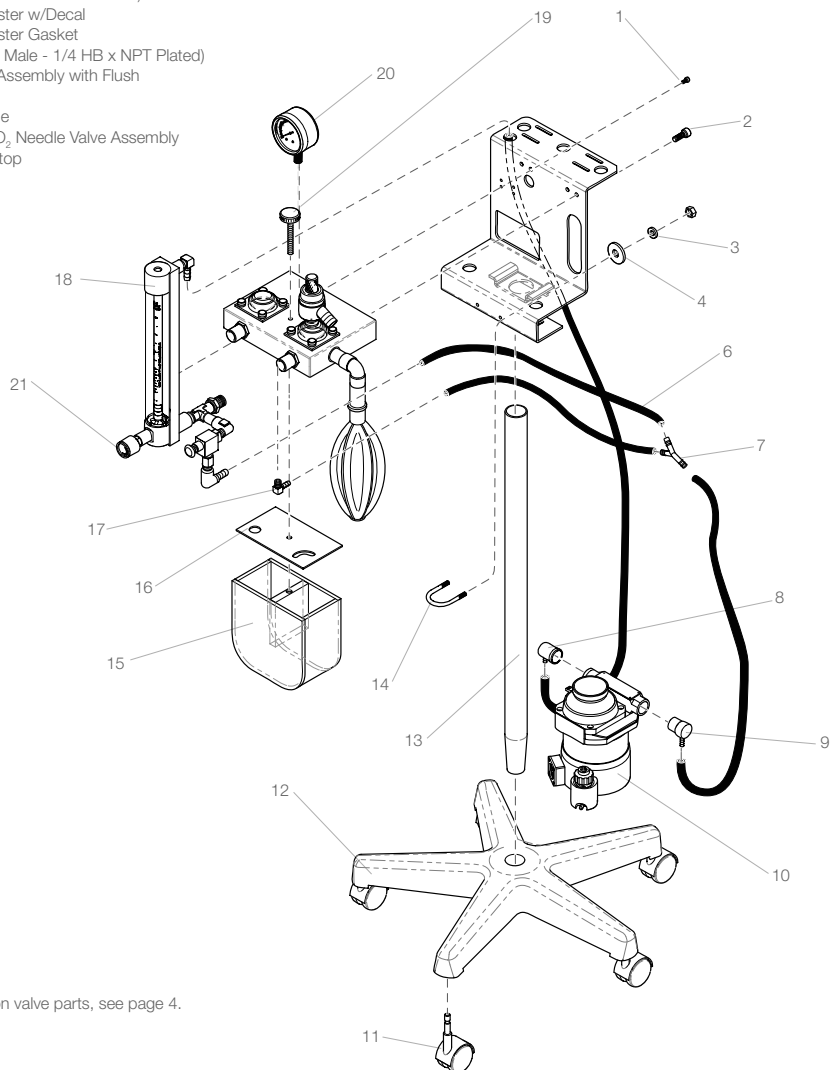
Thumb Nut Absorber Replacement Parts

16	62400104	Acorn Nut 1/4 - 20
17	61400500	Thumb Nut
18	61201000	White Nylon Washer
19	61100400	Compression Spring
20	10046500	Sleeve
21	10046400	Adjusting Screw
22	10046201	Tie Rod



Matrx VME2® Small Animal Anesthesia Machine

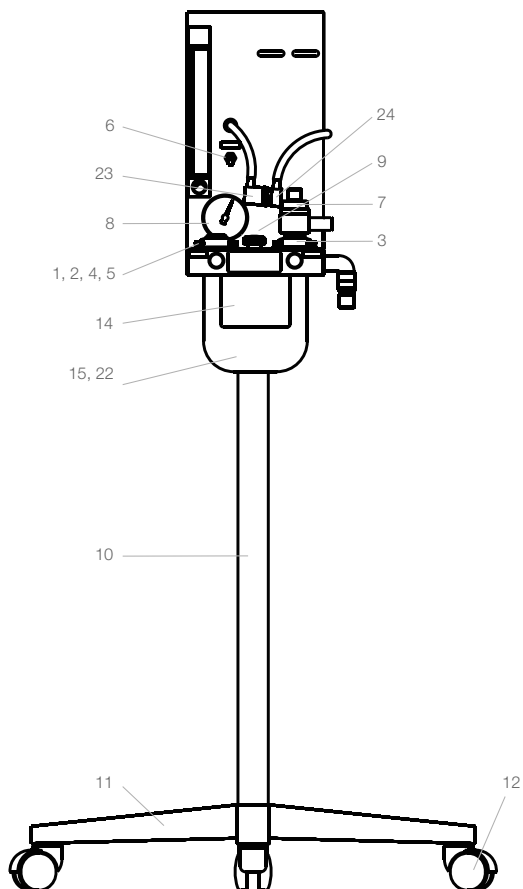
n/s	91303017	Maintenance Kit for Matrx VME2®/ VME®-Tabletop
1	63500182	Socket Head Bolt (1/4" - 20 x 5/8")
2	63500176	Screw (5/16" - 18 x 3/4")
3	62600207	Washer (lock)
4	62600120	Washer (flat 5/16)
6	91315075	Black Neoprene Rubber Tubing, 1/4" ID
7	61911000	"Y" Connector
8	92305072	FS2A Inlet Adapter
9	92305073	FS2 Outlet Adapter
10		Vaporizer (Not Included)
11	65928400	Caster
12	65928300	Spider Base, 5-Leg
13	61902507	Column
14	62700503	U Clamp (includes 5/16" x 18 nuts)
15	91316418	Absorber Canister w/Decal
16	62956200	Absorber Canister Gasket
17	62956200	Elbow (90 Deg Male - 1/4 HB x NPT Plated)
18	91800203	O ₂ Flowmeter Assembly with Flush
19	65928200	Canister Knob
20	91800434	Pressure Gauge
21	91800655	Replacement O ₂ Needle Valve Assembly with Positive Stop



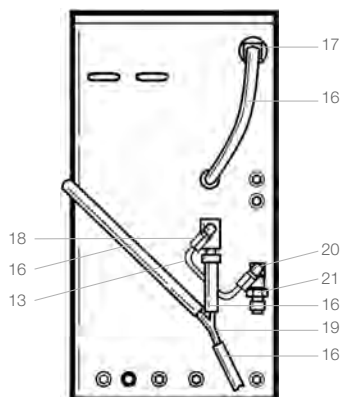
NOTE:

For Matrx VME2 inhalation/exhalation valve parts, see page 4.

Matrx VME® Small Animal Anesthesia Machine



n/s	91303016	Maintenance Kit for Matrx VME®-Stand Mount
1	65927800	Thumbscrew
2	91370171	Dome & Clamp, Inhalation Valve
3	91370172	Dome & Clamp, Exhalation Valve
4	63200113	O-Ring
5	10049000	Disc, Inhal. & Exhal. Valves
6	65928000	Flush Valve
7	93335196	APL Valve
8	91800434	Pressure Gauge
n/s	91800435	Pressure Gauge Replacement Cover-Wexler (Included with 91800434)
n/s	91315276	Pressure Gauge Replacement Cover-Marshall
9	65928200	Canister Knob
10	61902507	Column
11	65928300	Spider Base, 5 Leg
12	65928400	Caster
13	10395800	O ₂ Tube
14	62954900	Canister Decal
15	62956200	Absorber Canister Gasket
16	91315075	Black Neoprene Rubber Tubing, 1/4" ID (specify length in inches when ordering)
17	62917008	1/4 HB x 1/8 NPT Elbow
18	62901100	1/8 NPT x 3/16 Tube Elbow
19	61911000	"Y" Connector
20	62900910	1/8M x 1/8F x 1/8F Pipe Tee
21	91305040	1/8 MPT O ₂ Male DISS Connector
22	91316418	Absorber Canister w/Decal
23	92305072	FS2A Inlet Adapter
24	92305073	FS2 Outlet Adapter



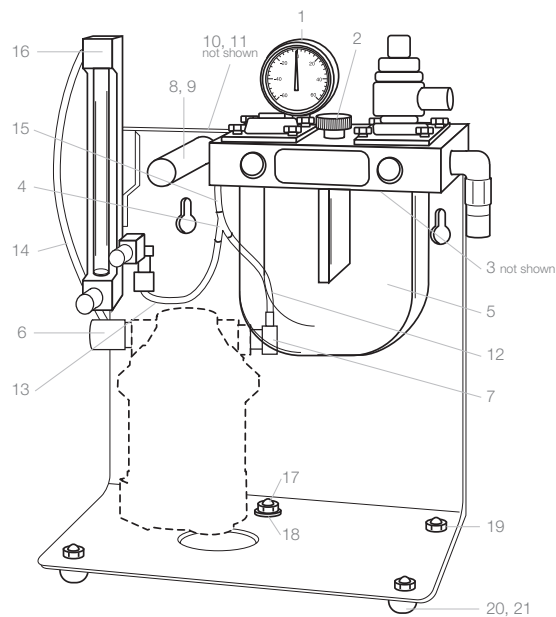
Matrx VME – Detail Rear View

Matrx VME® Tabletop Small Animal Anesthesia Machine

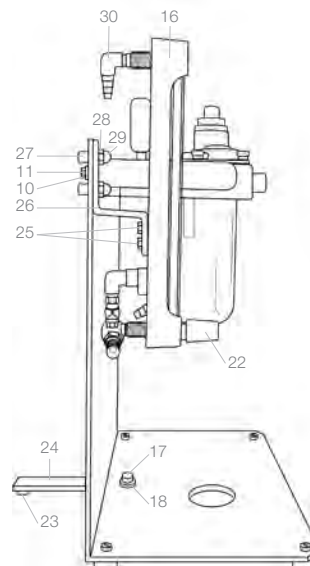
n/s	91303017	Maintenance Kit for Matrx VME2®/ VME®-Tabletop
1	91800434	Pressure Gauge
n/s	91800435	Pressure Gauge Replacement Cover-Wexler (Included with 91800434)
n/s	91315276	Pressure Gauge Replacement Cover-Marshall
2	65928200	Canister Knob
3	62956200	Absorber Canister Gasket
4	61911000	"Y" Connector
5	91316418	Absorber Canister w/Decal
6	92305072	FS2A Inlet Adapter
7	92305073	FS2 Outlet Adapter
8	65936200	Handle Grip
9	10415300	Handle
10	63500176	Socket Head Screw, 5/16 – 18x3/4
11	62600207	HLCL Spring Lock Washer, 5/16, Plated
12	61930903	Tubing, 3"
13	61930909	Tubing, 6"
14	61930913	Tubing, 11"
15	61930916	Tubing, 5"
16	91800199	O ₂ Flowmeter Assembly with Flush
17	62501705	Socket Head Shoulder Screw, #10-32
18	62919404	Curved Spring Washer – 1/4
19	62500124	Pan Head Screw, #10-32 x 5/8
20	65936300	Foot
21	62400309	Hex Nut, #10-32, Plated
22	63300512	O ₂ Needle Valve Assembly
23	65936900	Bumper
24	10424202	Leg, Anodized
25	10503200	Screw kit for VMS, VME and VMR #10-32 x 5/16
26	62957002	Flowmeter Bracket, Anodized
27	63500114	Socket Head Screw, 1/4-20 x 5/8, Plated
28	62600502	Washer – 1/4
29	62400118	Acorn Nut, 1/4-20
30	62917008	1/4 HB x 1/8 NPT Elbow

NOTE:

For tabletop inhalation/exhalation valve parts, see page 4.



Matrx VME – Tabletop Front View



Matrx VME – Tabletop Side View

Matrx VML® Large Animal Anesthesia Machine

Matrx VML® Absorber Assembly

1	40010401	VML Basic Assembly
2	20221100	Corrugated Breathing Tube 64"
3	93815403	VML Inhaler "Y" with Retaining Ring
n/s	10008200	VML Inhaler "Y" Retaining Ring
4	92805421	(a) 22mm Endo Tube Connector
	92805425	(b) 25mm Endo Tube Connector
	92805434	(c) 30mm Endo Tube Connector
	92805435	(d) 40mm Endo Tube Connector
5	93815400	Breathing Bag (30L)
n/s	91305093	FS-44 Spacer Kit (not shown)
	10032500	(a) Plated Spacer (2)
	62600127	(b) Flat Washer (2)
	62503501	(c) Socket Set Screw (2)
	62600901	(d) Lock Washer (2)
	62400343	(e) Hex Nut (2)
7	91800434	Pressure Gauge
n/s	91800435	Pressure Gauge Replacement Cover-Wexler (Included with 91800434)
n/s	91315276	Pressure Gauge Replacement Cover-Marshall
8	30028400	Exh. Valve Assembly
9	91315075	Black Neoprene Rubber Tubing, 1/4" ID

Matrx VML Stand Assembly Parts

10	92505017	15" Mounting Stud
11	62600204	Washer 5/8
12	62400318	Hex Nut 5/8
13	65936800	"T" Handle
14	20122401	Column Assembly
15	61902404	Spider Base, 5 Leg
16	65928400	3" Caster
n/s	91305280	Post Spacer
17	93805419	Canister Assembly
18	62400104	Acorn Nut 1/4-20
19	30028300	Inh. Valve Assembly
n/s	92305072	FS2A Inlet Adapter
n/s	61930907	Black Neoprene Rubber Tubing, 1/4" ID x 36"
n/s	63500115	Socket Head Screw 1/4-20 x 3/4
n/s	62600113	Washer
n/s	61911000	Nylon "Y" Connector

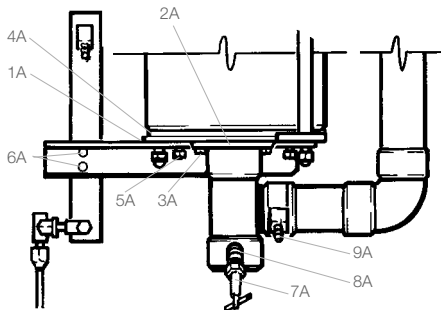
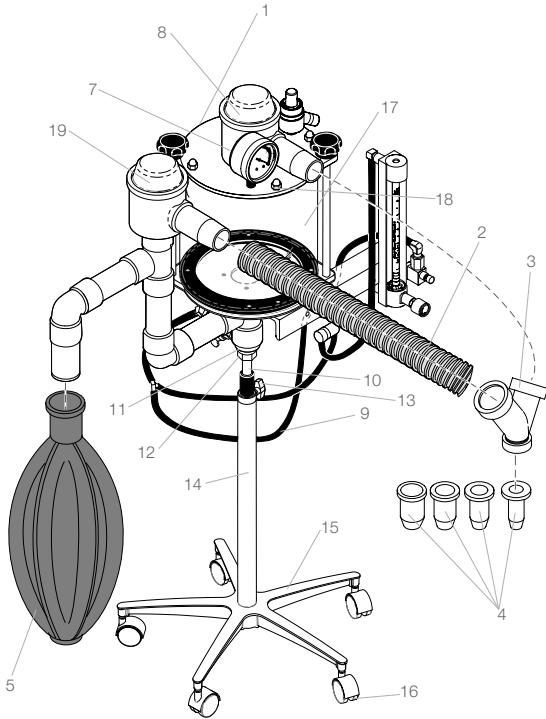
Matrx VML-Detail A – Rear View

1A	30028200	Lower End Plate Assembly
2A	63200123	O-Ring (2-143)
3A	62500124	Pan Head Screw No. 10-32 x 5/8
4A	30027600	Gasket
5A	63500117	Socket Head Screw 1/4-20 x 1
6A	10555200	Screw kit for Matrx VML #10-32 x 3/8
7A	61300400	Drain Valve Assembly
8A	62900100	45° Street Elbow
9A	62900800	Hose Barb Connector
n/s	91305093	FS-44 Spacer Kit includes 2 hex head screws, 4 flat washers and 2 spacers

n/s = not able to show in illustration.

For Matrx VML inhalation/exhalation valve parts, see page 4.

For Matrx VML nitrous oxide/oxygen flowmeter assemblies and parts, see pages 2 and 3.



Matrx VML – Detail A Rear View



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Trade Name Notification Canis Major, Matrx, VMS, VMS Plus, VMC, VME, VME2, VMR, VML, VIP 3000, VXP, Spartan, Quantiflex, Revive-A-Pet, VetPro, Cardell, CardEX, TidalGuard, Versaflo, UltraClave, and Soniclean are trademarks or registered trademarks of Midmark Corporation or its subsidiaries. Satelec, Acteon, Kydex, Athena Champion, Little Pro and Meisinger are all trademarks or registered trademarks of their respective companies. Other products or services may be trademarks or registered trademarks of their respective companies.

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