



# **MIDIS110 & MIDIS240**

# INDUSTRIAL DUST EXTRACTION VACUUM CLEANER

OPERATOR MANUAL





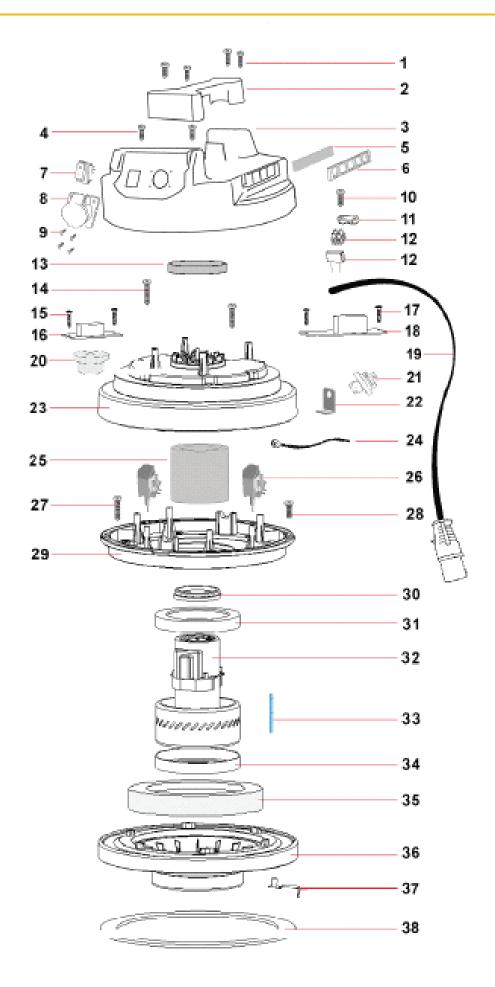
Please read this manual before using the MIDIS110 & MIDIS240





Parts No		Pos
VTVS7023(5M)	HOSE - 5M 32mm Yellow Vacuum Hose With End To Fit WND/1 - for NEW MIGHTY, NEW MIDI	1
BIO324WD	FLOOR HEAD - 420MM WIDE Wet & Dry WITH WHEELS V-TUF 32 MM	2
WND/1	V-TUF PROFESSIONAL TUBE SET - 32MM STAINLESS STEEL 3 PIECE WAND SET	3
VLX13	UPHOLSTERY TOOL WITH BRUSH - 32 MM for V-TUF VACUUM CLEANER	4
VLX15	CREVICE TOOL - 200MM LONG V-TUF 32MM	5
VTM103	V-TUF Universal Power tool Adaptor For MINI, MIDI, MIDI SYNCRO	6
VLX10	ROUND BRUSH - WITH HORSE HAIR 32 MM for V-TUF VACUUM CLEANER	7
VTVS7021	Cartridge H-Class Filter - for MIDI / MIDI SYNCRO Vacs	8
VTVS7007	DUST BAGS - for M & H CLASS (Pack of 10) - FSC Certified	9

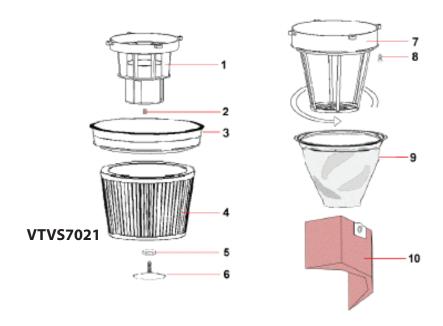






1         VTVS7513         4         Self Tipping Screw 5x30 ZN           2         VTVS7492         1         Handle E.2           3         VTVS7477         1         Black Cover with Switch-Plug Holes           4         VTVS7512         2         Self Tipping Screw 5x25 TC ZN           5         VTVS7448         1         Foam Filter 130x25x7mm           6         VTVS7490         1         Plastic Grid L144mm           7         VTVS7420         1         Black Double Switch 2P AUT-0-MAN           8         VTVS7430         1         Industrial Panel Plug 16A 110V~           9         VTVS7515         4         Metric Screw M4x20 with Nut M4           10         VTVS7512         1         Self Tipping Screw 5x25 TC ZN           11         VTVS7483         1         Cablefix           12         VTVS7426         1         Complete Terminal Board 3poles           13         VTVS7455         1         Noise Foam H10mm - Ø110mm           14         VTVS7512         6         Self Tipping Screw 5x25 TC ZN           15         VTVS7513         1         Electronic Card for Buzzer 120V~           16         VTVS7437         1         Electronic Card for Buzzer 120V~	Pos.	Cod.	Q.ty	Description	
VTVS7477	1	VTVS7513	4	Self Tipping Screw 5x30 ZN	
4         VTVS7512         2         Self Tipping Screw 5x25 TC ZN           5         VTVS7448         1         Foam Filter 130x25x7mm           6         VTVS7490         1         Plastic Grid L144mm           7         VTVS7420         1         Black Double Switch 2P AUT-0-MAN           8         VTVS7430         1         Industrial Panel Plug 16A 110V~           9         VTVS7430         1         Industrial Panel Plug 16A 110V~           9         VTVS7512         1         Self Tipping Screw 5x25 TC ZN           10         VTVS7483         1         Cablefix           12         VTVS7445         1         Complete Terminal Board 3poles           13         VTVS7445         1         Noise Foam H10mm - Ø110mm           14         VTVS7445         1         Noise Foam H10mm - Ø110mm           14         VTVS7509         2         Self Tipping Screw 5x25 TC ZN           15         VTVS7509         2         Self Tipping Screw 3x5x12 FL           16         VTVS7437         1         Electronic Card for Buzzer 120V~           18         VTVS7439         1         Electric Tool Card 120V~           19         VTVS7417         1         Buzzer <t< td=""><td>2</td><td>VTVS7492</td><td>1</td><td colspan="2">Handle E.2</td></t<>	2	VTVS7492	1	Handle E.2	
5         VTVS7448         1         Foam Filter 130x25x7mm           6         VTVS7490         1         Plastic Grid L144mm           7         VTVS7420         1         Black Double Switch 2P AUT-0-MAN           8         VTVS7430         1         Industrial Panel Plug 16A 110V~           9         VTVS7515         4         Metric Screw M4x20 w ith Nut M4           10         VTVS7512         1         Self Tipping Screw 5x25 TC ZN           11         VTVS7483         1         Cablefix           12         VTVS7426         1         Complete Terminal Board 3poles           13         VTVS7426         1         Complete Terminal Board 3poles           14         VTVS7426         1         Complete Terminal Board 3poles           13         VTVS7445         1         Noise Foam H10mm - @110mm           14         VTVS7509         2         Self Tipping Screw 3,5x12 FL           15         VTVS7509         2         Self Tipping Screw 3,5x12 FL           16         VTVS7437         1         Electronic Card for Buzzer 120V~           18         VTVS7439         1         Electronic Card 120V~           19         VTVS7417         1         Power Cord H05 3x1,5 mm²2 L=8,5mt Plu	3	VTVS7477	1	Black Cover w ith Switch-Plug Holes	
6         VTVS7490         1         Plastic Grid L144mm           7         VTVS7420         1         Black Double Switch 2P AUT-0-MAN           8         VTVS7430         1         Industrial Panel Plug 16A 110V~           9         VTVS7515         4         Metric Screw M4x20 w ith Nut M4           10         VTVS7512         1         Self Tipping Screw 5x25 TC ZN           11         VTVS7483         1         Cablefix           12         VTVS7426         1         Complete Terminal Board 3poles           13         VTVS7445         1         Noise Foam H10mm • Ø110mm           14         VTVS7512         6         Self Tipping Screw 3x25 TC ZN           15         VTVS7509         2         Self Tipping Screw 3x512 FL           16         VTVS7437         1         Electronic Card for Buzzer 120V~           18         VTVS7439         1         Electronic Card for Buzzer 120V~           18         VTVS7439         1         Electronic Card H20V~           19         VTVS7417         1         Buzzer           21         VTVS7431         1         Pressure Switch           22         VTVS7458         1         Gasket Support "L"           23	4	VTVS7512	2	Self Tipping Screw 5x25 TC ZN	
7         VTVS7420         1         Black Double Switch 2P AUT-0-MAN           8         VTVS7430         1         Industrial Panel Plug 16A 110V~           9         VTVS7515         4         Metric Screw M4x20 w ith Nut M4           10         VTVS7512         1         Self Tipping Screw 5x25 TC ZN           11         VTVS7483         1         Cablefix           12         VTVS7426         1         Complete Terminal Board 3poles           13         VTVS7445         1         Noise Foam H10mm - Ø110mm           14         VTVS7426         1         Noise Foam H10mm - Ø110mm           14         VTVS7415         6         Self Tipping Screw 5x25 TC ZN           15         VTVS7509         2         Self Tipping Screw 3x512 FL           16         VTVS7437         1         Electronic Card for Buzzer 120V~           17         VTVS7439         1         Electric Tool Card 120V~           18         VTVS7417         1         Power Cord H05 3x1,5 mm^2 L=8,5mt Plug 16A 110V           20         VTVS7417         1         Buzzer           21         VTVS7431         1         Pressure Switch           22         VTVS7458         1         Gasket Support "L" <t< td=""><td>5</td><td>VTVS7448</td><td>1</td><td>Foam Filter 130x25x7mm</td></t<>	5	VTVS7448	1	Foam Filter 130x25x7mm	
8         VTVS7430         1         Industrial Panel Plug 16A 110V~           9         VTVS7515         4         Metric Screw M4x20 w ith Nut M4           10         VTVS7512         1         Self Tipping Screw 5x25 TC ZN           11         VTVS7483         1         Cablefix           12         VTVS7426         1         Complete Terminal Board 3poles           13         VTVS7445         1         Noise Foam H10mm - Ø110mm           14         VTVS7512         6         Self Tipping Screw 5x25 TC ZN           15         VTVS7509         2         Self Tipping Screw 3,5x12 FL           16         VTVS7437         1         Electronic Card for Buzzer 120V~           17         VTVS7509         2         Electronic Card for Buzzer 120V~           18         VTVS7439         1         Electric Tool Card 120V~           19         VTVS7417         1         Power Cord H05 3x1,5 mm^2 L=8,5mt Plug 16A 110V           20         VTVS7417         1         Buzzer           21         VTVS7417         1         Buzzer           22         VTVS7431         1         Pressure Switch           23         VTVS7458         1         Gasket Support "L"           24	6	VTVS7490	1	Plastic Grid L144mm	
9         VTVS7515         4         Metric Screw M4x20 w ith Nut M4           10         VTVS7512         1         Self Tipping Screw 5x25 TC ZN           11         VTVS7483         1         Cablefix           12         VTVS7426         1         Complete Terminal Board 3poles           13         VTVS7445         1         Noise Foam H10mm - Ø110mm           14         VTVS7512         6         Self Tipping Screw 5x25 TC ZN           15         VTVS7509         2         Self Tipping Screw 3,5x12 FL           16         VTVS7437         1         Electronic Card for Buzzer 120V~           17         VTVS7509         2         Electric Tool Card 120V~           18         VTVS7439         1         Electric Tool Card 120V~           19         VTVS7417         1         Power Cord H05 3x1,5 mm*2 L=8,5mt Plug 16A 110V           20         VTVS7417         1         Buzzer           21         VTVS7417         1         Buzzer           21         VTVS7418         1         Gasket Support 'L'           22         VTVS7458         1         Gasket Support 'L'           23         VTVS7411         1         Yellow /Green Connection Cable L250mm	7	VTVS7420	1	Black Double Switch 2P AUT-0-MAN	
10         VTVS7512         1         Self Tipping Screw 5x25 TC ZN           11         VTVS7483         1         Cablefix           12         VTVS7426         1         Complete Terminal Board 3poles           13         VTVS7445         1         Noise Foam H10mm - Ø110mm           14         VTVS7512         6         Self Tipping Screw 5x25 TC ZN           15         VTVS7509         2         Self Tipping Screw 3,5x12 FL           16         VTVS7437         1         Electronic Card for Buzzer 120V~           17         VTVS7509         2         Electric Tool Card 120V~           18         VTVS7439         1         Electric Tool Card 120V~           19         VTVS7417         1         Power Cord H05 3x1,5 mm*2 L=8,5mt Plug 16A 110V           20         VTVS7417         1         Buzzer           21         VTVS7431         1         Pressure Switch           22         VTVS7458         1         Gasket Support "L"           23         VTVS7478         1         Black Motor Cover Ø345mm           24         VTVS7411         1         Yellow /Green Connection Cable L250mm           25         VTVS7444         2         Solenoid Vibrator 120V~	8	VTVS7430	1	Industrial Panel Plug 16A 110V~	
11         VTVS7483         1         Cablefix           12         VTVS7426         1         Complete Terminal Board 3poles           13         VTVS7445         1         Noise Foam H10mm - Ø110mm           14         VTVS7512         6         Self Tipping Screw 5x25 TC ZN           15         VTVS7509         2         Self Tipping Screw 3,5x12 FL           16         VTVS7437         1         Electronic Card for Buzzer 120V~           17         VTVS7509         2         Electric Tool Card 120V~           18         VTVS7439         1         Electric Tool Card 120V~           19         VTVS7417         1         Power Cord H05 3x1,5 mm*2 L=8,5mt Plug 16A 110V           20         VTVS7417         1         Buzzer           21         VTVS7417         1         Buzzer           21         VTVS7431         1         Pressure Switch           22         VTVS7458         1         Gasket Support 'L'           23         VTVS7478         1         Black Motor Cover Ø345mm           24         VTVS7411         1         Yellow /Green Connection Cable L250mm           25         VTVS7447         1         Sealed Filter MTP65/AU H=88 Ø160-120           26	9	VTVS7515	4	Metric Screw M4x20 w ith Nut M4	
12         VTVS7426         1         Complete Terminal Board 3poles           13         VTVS7445         1         Noise Foam H10mm - Ø110mm           14         VTVS7512         6         Self Tipping Screw 5x25 TC ZN           15         VTVS7509         2         Self Tipping Screw 3.5x12 FL           16         VTVS7437         1         Electronic Card for Buzzer 120V~           17         VTVS7509         2         Electronic Card for Buzzer 120V~           18         VTVS7439         1         Electric Tool Card 120V~           19         VTVS7417         1         Power Cord H05 3x1,5 mm*2 L=8,5mt Plug 16A 110V           20         VTVS7417         1         Buzzer           21         VTVS7417         1         Buzzer           22         VTVS7431         1         Pressure Switch           23         VTVS7478         1         Gasket Support "L"           24         VTVS7418         1         Yellow / Green Connection Cable L250mm           25         VTVS7447         1         Sealed Filter MTP65/AU H=88 Ø160-120           26         VTVS7444         2         Solenoid Vibrator 120V~           27         VTVS7512         6         Self Tipping Screw 5x25 TC ZN	10	VTVS7512	1	Self Tipping Screw 5x25 TC ZN	
13         VTVS7445         1         Noise Foam H10mm - Ø110mm           14         VTVS7512         6         Self Tipping Screw 5x25 TC ZN           15         VTVS7509         2         Self Tipping Screw 3,5x12 FL           16         VTVS7437         1         Electronic Card for Buzzer 120V~           17         VTVS7509         2         Electronic Card for Buzzer 120V~           18         VTVS7439         1         Electric Tool Card 120V~           19         VTVS7417         1         Power Cord H05 3x1,5 mm*2 L=8,5mt Plug 16A 110V           20         VTVS7417         1         Buzzer           21         VTVS7417         1         Buzzer           22         VTVS7431         1         Pressure Switch           22         VTVS7458         1         Gasket Support "L"           23         VTVS7478         1         Black Motor Cover Ø345mm           24         VTVS7411         1         Yellow / Green Connection Cable L250mm           25         VTVS7447         1         Sealed Filter MTP65/AU H=88 Ø160-120           26         VTVS7444         2         Solenoid Vibrator 120V~           27         VTVS7512         6         Self Tipping Screw 5x25 TC ZN	11	VTVS7483	1	Cablefix	
14         VTVS7512         6         Self Tipping Screw 5x25 TC ZN           15         VTVS7509         2         Self Tipping Screw 3,5x12 FL           16         VTVS7437         1         Electronic Card for Buzzer 120V~           17         VTVS7509         2         Electronic Card for Buzzer 120V~           18         VTVS7439         1         Electric Tool Card 120V~           19         VTVS7417         1         Power Cord H05 3x1,5 mm*2 L=8,5mt Plug 16A 110V           20         VTVS7417         1         Buzzer           21         VTVS7431         1         Pressure Switch           22         VTVS7458         1         Gasket Support "L"           23         VTVS7478         1         Black Motor Cover Ø345mm           24         VTVS7411         1         Yellow /Green Connection Cable L250mm           25         VTVS7447         1         Sealed Filter MTP65/AU H=88 Ø160-120           26         VTVS7444         2         Solenoid Vibrator 120V~           27         VTVS7512         6         Self Tipping Screw 5x25 TC ZN           28         VTVS7546         1         Metric screw M5x16           29         VTVS7486         1         Black Motor Holder Ø336mm	12	VTVS7426	1	Complete Terminal Board 3poles	
15         VTVS7509         2         Self Tipping Screw 3,5x12 FL           16         VTVS7437         1         Electronic Card for Buzzer 120V~           17         VTVS7509         2         Electronic Card for Buzzer 120V~           18         VTVS7439         1         Electric Tool Card 120V~           19         VTVS7417         1         Power Cord H05 3x1,5 mm*2 L=8,5mt Plug 16A 110V           20         VTVS7417         1         Buzzer           21         VTVS7431         1         Pressure Switch           22         VTVS7458         1         Gasket Support "L"           23         VTVS7478         1         Black Motor Cover Ø345mm           24         VTVS7411         1         Yellow /Green Connection Cable L250mm           25         VTVS7447         1         Sealed Filter MTP65/AU H=88 Ø160-120           26         VTVS7444         2         Solenoid Vibrator 120V~           27         VTVS7512         6         Self Tipping Screw 5x25 TC ZN           28         VTVS7486         1         Black Motor Holder Ø336mm           30         VTVS7450         1         Motor Plastic Spacer Ring H=20           31         VTVS7620         1         Motor Double Stage By-	13	VTVS7445	1	Noise Foam H10mm - Ø110mm	
16         VTVS7437         1         Electronic Card for Buzzer 120V~           17         VTVS7509         2         Electronic Card for Buzzer 120V~           18         VTVS7439         1         Electric Tool Card 120V~           19         VTVS7417         1         Power Cord H05 3x1,5 mm^2 L=8,5mt Plug 16A 110V           20         VTVS7417         1         Buzzer           21         VTVS7431         1         Pressure Switch           22         VTVS7458         1         Gasket Support "L"           23         VTVS7458         1         Black Motor Cover Ø345mm           24         VTVS7478         1         Place Motor Cover Ø345mm           25         VTVS7411         1         Yellow /Green Connection Cable L250mm           26         VTVS7447         1         Sealed Filter MTP65/AU H=88 Ø160-120           26         VTVS7444         2         Solenoid Vibrator 120V~           27         VTVS7512         6         Self Tipping Screw 5x25 TC ZN           28         VTVS7516         1         Metric screw M5x16           29         VTVS7486         1         Black Motor Holder Ø336mm           30         VTVS7451         1         "L" Gasket S/f H=5mm	14	VTVS7512	6	Self Tipping Screw 5x25 TC ZN	
17         VTVS7509         2         Electronic Card for Buzzer 120V~           18         VTVS7439         1         Electric Tool Card 120V~           19         VTVS7417         1         Power Cord H05 3x1,5 mm^2 L=8,5mt Plug 16A 110V           20         VTVS7417         1         Buzzer           21         VTVS7431         1         Pressure Switch           22         VTVS7458         1         Gasket Support "L"           23         VTVS7478         1         Black Motor Cover Ø345mm           24         VTVS7478         1         Yellow /Green Connection Cable L250mm           25         VTVS7441         1         Yellow /Green Connection Cable L250mm           26         VTVS7444         2         Solenoid Vibrator 120V~           27         VTVS7512         6         Self Tipping Screw 5x25 TC ZN           28         VTVS7516         1         Metric screw M5x16           29         VTVS7486         1         Black Motor Holder Ø336mm           30         VTVS7481         1         Motor Plastic Spacer Ring H=20           31         VTVS7620         1         Motor Double Stage By-Pass P 1400W-PC38 115V~           33         VTVS7504         1         Extra Flex Hose 6x	15	VTVS7509	2	Self Tipping Screw 3,5x12 FL	
18         VTVS7439         1         Electric Tool Card 120V~           19         VTVS7417         1         Power Cord H05 3x1,5 mm*2 L=8,5mt Plug 16A 110V           20         VTVS7417         1         Buzzer           21         VTVS7431         1         Pressure Switch           22         VTVS7458         1         Gasket Support "L"           23         VTVS7478         1         Black Motor Cover Ø345mm           24         VTVS7411         1         Yellow /Green Connection Cable L250mm           25         VTVS7447         1         Sealed Filter MTP65/AU H=88 Ø160-120           26         VTVS7444         2         Solenoid Vibrator 120V~           27         VTVS7512         6         Self Tipping Screw 5x25 TC ZN           28         VTVS7516         1         Metric screw M5x16           29         VTVS7486         1         Black Motor Holder Ø336mm           30         VTVS7481         1         Motor Plastic Spacer Ring H=20           31         VTVS7620         1         Motor Double Stage By-Pass P 1400W-PC38 115V~           33         VTVS7504         1         Extra Flex Hose 6x4mm           34         VTVS7450         1         Plane Gasket H=3mm </td <td>16</td> <td>VTVS7437</td> <td>1</td> <td>Electronic Card for Buzzer 120V~</td>	16	VTVS7437	1	Electronic Card for Buzzer 120V~	
19         VTVS7417         1         Power Cord H05 3x1,5 mm^2 L=8,5mt Plug 16A 110V           20         VTVS7417         1         Buzzer           21         VTVS7431         1         Pressure Switch           22         VTVS7458         1         Gasket Support "L"           23         VTVS7478         1         Black Motor Cover Ø345mm           24         VTVS7411         1         Yellow /Green Connection Cable L250mm           25         VTVS7447         1         Sealed Filter MTP65/AU H=88 Ø160-120           26         VTVS7444         2         Solenoid Vibrator 120V~           27         VTVS7512         6         Self Tipping Screw 5x25 TC ZN           28         VTVS7516         1         Metric screw M5x16           29         VTVS7486         1         Black Motor Holder Ø336mm           30         VTVS7481         1         Motor Plastic Spacer Ring H=20           31         VTVS7451         1         "L" Gasket s/f H=5mm           32         VTVS7620         1         Motor Double Stage By-Pass P 1400W-PC38 115V~           33         VTVS7504         1         Extra Flex Hose 6x4mm           34         VTVS7446         1         Washer MTP/65 Ø230x145x20 w ith 16	17	VTVS7509	2	Electronic Card for Buzzer 120V~	
20         VTVS7417         1         Buzzer           21         VTVS7431         1         Pressure Switch           22         VTVS7458         1         Gasket Support "L"           23         VTVS7478         1         Black Motor Cover Ø345mm           24         VTVS7411         1         Yellow /Green Connection Cable L250mm           25         VTVS7447         1         Sealed Filter MTP65/AU H=88 Ø160-120           26         VTVS7444         2         Solenoid Vibrator 120V~           27         VTVS7512         6         Self Tipping Screw 5x25 TC ZN           28         VTVS7516         1         Metric screw M5x16           29         VTVS7486         1         Black Motor Holder Ø336mm           30         VTVS7481         1         Motor Plastic Spacer Ring H=20           31         VTVS7451         1         "L" Gasket s/f H=5mm           32         VTVS7620         1         Motor Double Stage By-Pass P 1400W-PC38 115V~           33         VTVS7504         1         Extra Flex Hose 6x4mm           34         VTVS7450         1         Plane Gasket H=3mm           35         VTVS7446         1         Washer MTP/65 Ø230x145x20 w ith 16Hole	18	VTVS7439	1	Electric Tool Card 120V~	
21         VTVS7431         1         Pressure Switch           22         VTVS7458         1         Gasket Support "L"           23         VTVS7478         1         Black Motor Cover Ø345mm           24         VTVS7411         1         Yellow /Green Connection Cable L250mm           25         VTVS7447         1         Sealed Filter MTP65/AU H=88 Ø160-120           26         VTVS7444         2         Solenoid Vibrator 120V~           27         VTVS7512         6         Self Tipping Screw 5x25 TC ZN           28         VTVS7516         1         Metric screw M5x16           29         VTVS7486         1         Black Motor Holder Ø336mm           30         VTVS7481         1         Motor Plastic Spacer Ring H=20           31         VTVS7451         1         "L" Gasket s/f H=5mm           32         VTVS7620         1         Motor Double Stage By-Pass P 1400W-PC38 115V~           33         VTVS7504         1         Extra Flex Hose 6x4mm           34         VTVS7450         1         Plane Gasket H=3mm           35         VTVS7446         1         Washer MTP/65 Ø230x145x20 w ith 16Hole           36         VTVS7470         1         Yellow Double Stage Motor Base	19	VTVS7417	1	Power Cord H05 3x1,5 mm^2 L=8,5mt Plug 16A 110V	
22         VTVS7458         1         Gasket Support "L"           23         VTVS7478         1         Black Motor Cover Ø345mm           24         VTVS7411         1         Yellow /Green Connection Cable L250mm           25         VTVS7447         1         Sealed Filter MTP65/AU H=88 Ø160-120           26         VTVS7444         2         Solenoid Vibrator 120V~           27         VTVS7512         6         Self Tipping Screw 5x25 TC ZN           28         VTVS7516         1         Metric screw M5x16           29         VTVS7486         1         Black Motor Holder Ø336mm           30         VTVS7481         1         Motor Plastic Spacer Ring H=20           31         VTVS7451         1         "L" Gasket s/f H=5mm           32         VTVS7620         1         Motor Double Stage By-Pass P 1400W-PC38 115V~           33         VTVS7504         1         Extra Flex Hose 6x4mm           34         VTVS7450         1         Plane Gasket H=3mm           35         VTVS7446         1         Washer MTP/65 Ø230x145x20 w ith 16Hole           36         VTVS7433         1         Plate of ground	20	VTVS7417	1	Buzzer	
23         VTVS7478         1         Black Motor Cover Ø345mm           24         VTVS7411         1         Yellow / Green Connection Cable L250mm           25         VTVS7447         1         Sealed Filter MTP65/AU H=88 Ø160-120           26         VTVS7444         2         Solenoid Vibrator 120V~           27         VTVS7512         6         Self Tipping Screw 5x25 TC ZN           28         VTVS7516         1         Metric screw M5x16           29         VTVS7486         1         Black Motor Holder Ø336mm           30         VTVS7481         1         Motor Plastic Spacer Ring H=20           31         VTVS7451         1         "L" Gasket s/f H=5mm           32         VTVS7620         1         Motor Double Stage By-Pass P 1400W-PC38 115V~           33         VTVS7504         1         Extra Flex Hose 6x4mm           34         VTVS7450         1         Plane Gasket H=3mm           35         VTVS7446         1         Washer MTP/65 Ø230x145x20 w ith 16Hole           36         VTVS7470         1         Yellow Double Stage Motor Base Ø436           37         VTVS7433         1         Plate of ground	21	VTVS7431	1	Pressure Switch	
24         VTVS7411         1         Yellow / Green Connection Cable L250mm           25         VTVS7447         1         Sealed Filter MTP65/AU H=88 Ø160-120           26         VTVS7444         2         Solenoid Vibrator 120V~           27         VTVS7512         6         Self Tipping Screw 5x25 TC ZN           28         VTVS7516         1         Metric screw M5x16           29         VTVS7486         1         Black Motor Holder Ø336mm           30         VTVS7481         1         Motor Plastic Spacer Ring H=20           31         VTVS7451         1         "L" Gasket s/f H=5mm           32         VTVS7620         1         Motor Double Stage By-Pass P 1400W-PC38 115V~           33         VTVS7504         1         Extra Flex Hose 6x4mm           34         VTVS7450         1         Plane Gasket H=3mm           35         VTVS7446         1         Washer MTP/65 Ø230x145x20 w ith 16Hole           36         VTVS7470         1         Yellow Double Stage Motor Base Ø436           37         VTVS7433         1         Plate of ground	22	VTVS7458	1	Gasket Support "L"	
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37 VTVS7433 1 Plate of ground	35	VTVS7446	1	Washer MTP/65 Ø230x145x20 w ith 16Hole	
37 VTVS7433 1 Plate of ground	36	VTVS7470	1	Yellow Double Stage Motor Base Ø436	
	37	VTVS7433	1		
	38	VTVS7455	1		

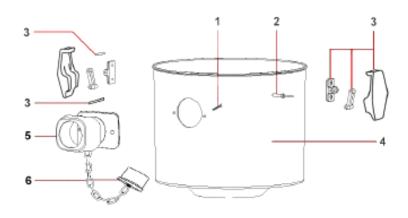




# **FILTER SET DRY**

Pos.	Cod.	Q.ty	Description	
1	VTVS7494	1	Float Supporting Ø168	
2	VTVS7507	1	Threaded insert M8 Ø10	
3	VTVS7454	1	Gasket Vibra Ø178	
4	VTVS7021H	1	H CLASS Cartridge Filter for DustEX & VAC H	
5	VTVS7453	1	Rubber Gasket NBR 15x7,8x2mm	
6	VTVS7506	1	Cartridge wingnut M8X20	
7	VTVS7501	1	Filter Basket Ø224	
8	VTVS7511	4	Self Tipping Screw 5x16 Fungo/FL ZNF	
9	VTVS7007	1	Polyester Bag 21lt	

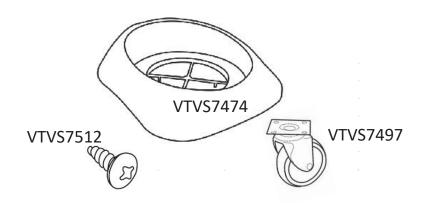




## **PLASTIC TANK**

Pos.	Cod.	Q.ty	Description	
1	VTVS7512	2	Self Tipping Screw 5x25 TC ZN	
2	VTVS7508	4	Rivet 4,8x17	
3	VTVS7491	2	Black Complete Spring Hook E.2	
4	VTVS7487	1	Black Plastic Tank H=250	
5	VTVS7472	1	Inlet Ø45	
6	VTVS7502	1	Complete Cap for Inlet Ø45	

## **TROLLEY**





#### INTRODUCTION

Thank you for purchasing a product from the V-TUF Industrial Cleaning Equipment range.

V-TUF is focused on research and development to make sure you are fully satisfied with your purchase. Please read this manual carefully and follow the instructions to ensure you get the best performance from this machine.

Congratulations on your choice and we trust you will obtain satisfaction from using it.

#### **GENERAL INFORMATION**

- 1. This manual has been included as an integral part of the appliance and should becarefully read through before using the machine.
- 2. Take the appliance out of its packaging and make sure it is in perfect condition, including accessories and any optional extras you have purchased from the V-TUF range.
- 3. Make sure that the electrical data of the appliance, shown on the label, corresponds to those of the mains supply.
- 4. The appliance must only be used with V-TUF accessories and spare parts as these ensure safe and perfect operation.
- 5. The manufacturer disclaims all liability for injury to persons and animals and damage to things due to the irresponsible use of the appliance and to the use of non-original accessories and spare parts.
- 6. The repair and/or replacement of the various component parts, especially electrical parts, must be done by skilled personnel.
- 7. The appliance is suitable for use in a range of applications: (hotels, schools, factories, shops, etc...)

#### **INSTALLATION**

- 1. Check the position of the filter and the clips that fasten the head to the tank. Incorrect filter positioning can cause serious damage to the machine.
- 2. Fit the hose to the vacuum connector; fit the required accessory to the end of the hose. In the case of extractor models fit the pipe on the connector provided on the head and fit the required accessory to the end of the pipe.
- 3. Connect the power cable of the appliance to the power socket with switches on "0" (OFF POSITION).
- 4. To vacuum liquids, empty the dust from the container remove dust bag and ensure the cloth filter is fitted. After the vacuum has been used for wet use ensure the tank and cartridge filter is dry before vacuuming dry material.
- 5. Important: only refit the cloth filter to vacuum dust, so as not to cause problems to the appliance.
- 6. The noise level is below 85 dB(A)

#### **OPERATION INSTRUCTIONS**

- 1. Ensure that there is sufficient ventilation for the machine and the operator
- 2. Make sure the machine on a sound and stable surface.
- 3. Ensure the machine is switched to the off position, connect to the correct and sufficient power source, switch machine on, use according to the guidelines and turn machine off after operation.

#### **IMPORTANT**

- 1. The wet and dry machines feature a floating valve that interrupts the vacuum when the tank is full of liquid. When this occurs, turn the machine off and empty the entire contents of the tank.
- 2. Do not use your machine if it is not functioning correctly. Regularly inspect electrical leads and connections, filters and listen for unusual noises. If in doubt, contact your nearest service centre for advice.

#### **MAINTENANCE**

- 1. The filter element can be blown clean, washed with water. Ensure that it is completely dry before the operation.
- 2. Replace the vacuum filter if it acquires holes, torn or damaged.

  Holes and/or cuts on the sides of the filter could allow transit of dust / materials and become the cause of serious damage to the user and surrounding people, and the appliance.
- 3. Check and free the blocked parts (vacuum pipes, connector, brushes, etc.) from any deposited materials.



4. If necessary, clean the tank and in any case, never leave dust or liquid residues in the tank for long periods of time.

#### IMPORTANT INFORMATION

Never use the machine if you are unsure, or become uncertain due to any faults of any kind, including those not mentioned in this manual.

#### **Technical Information**

Model	MIDI SYNCRO
Capacity	21 Litres
Max power take off	2000W
Working Voltage	110 & 240 Volts
Motor Power	1400 Watts
Function	Wet & Dry Vacuuming
Air Flow Rate	60 CFM
Tank Diameter	335mm
Height	250mm
Accessories	Ø32mm Accessories Kit
Power Cable	5m

#### Safety Instructions

These instructions are for the user's safety, and all users of the V-TUF cleaning equipment should ensure to have read this literature before using the machine.

- > Do not use with a damaged cable.
- > Do not run over the cable.
- > Should be inaccessible for children and pets.
- > Do not use in the presence of flammable gasses.
- > Do not clean up any hot material, e.g. ash.
- > Always turn off the machine, and then unplug it, before you service the machine.
- ➤ Do NOT use this machine without the filters, as this is a health hazard and motor damage will also come as a result.

All repairs on V-TUF products should be done by a V-TUF service representative.

- > If the machine shuts down, be sure to turn off the machine and unplug it before troubleshooting.
- > For safety, the machine contains an electronic overload protection.
- Always turn off and unplug the machine when it is not in use.
- ➤ If any part of the appliance becomes damaged or fractured, it must be replaced by a V-TUF engineer.



#### **SAFETY PRECAUTIONS** Caution: what to do



- 2. All services or maintenance performed on the appliance must always be done with the plug disconnected from the power supply.
- 3. Operation with a residual current circuit breaker provides extra protection for the operator  $(I_n=30 \text{ mA}).$
- 4. Only ever use the appliance for the purposes for which it has been designed and manufactured. ACCIDENT RISK. 🗐
- 5. If vacuum exhaust starts emitting water or foam, turn off immediately and waste level and ensure all correct filtration is present.

#### Caution: what not to do

1. Do not leave the machine running and unguarded nor within reach of children, animals or persons that are not responsible for their own actions.

ACCIDENT RISK. /!\

2. Do not vacuum inflammable combustion substance (e.g.: hot ashes), explosive and toxic substances, electrostatic or substances that are dangerous for health. EXPLOSION OR POISONING HAZARD /!\

3. Do not rest the vacuum inlet on or move this close to delicate parts of the body (eyes,  $\sqrt{1 - \frac{1}{2}}$ ears, mouth, etc.). ACCIDENT RISK.



4. Do not touch the plug and/or socket with wet hands. ELECTRIC SHOCK RISK.  $\, \dot{\mathbb{R}} \,$ 





5. Do not soak the appliance or spray it with liquid substances. SHORT-CIRCUIT.

6. In the case of extractor models, only use detergents compatible with vacuum and pipe covering materials.

ACCIDENT RISK. /!\

7. Do not pull or lift the appliance using the power cable. <code>SHORT-CIRCUIT RISK.</code>

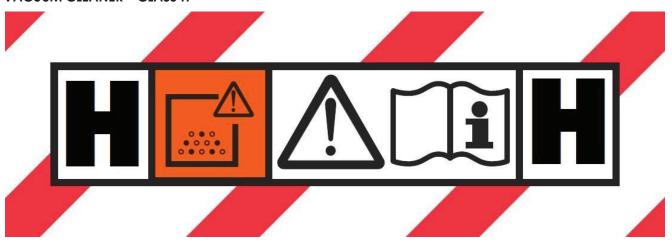




#### **TROUBLESHOOTING**

PROBLEM	PROBABLE CAUSE	PROBABLE SOLUTION
The machine does not	No current.	Check main fuse, power
start		cord,
		plug and outlet.
The machine suddenly stops	Because of overheating, the thermal protection turns the Machine off (feature only available on extraction machines).	After the machine has cooled down, you can turn the power on again and begin to use the appliance again.
Reduced suction power.	Filter, nozzle, hose or tube clogged.	Check and clean
Suction power suddenly	Tank full.	Stop the machine and
drops		empty the tank.

#### **VACUUM CLEANER - CLASS H**



#### **SAFETY INDICATIONS**

#### Operator safety

This manual is to be considered as an integral part of the general user manual and provides the necessary instructions for the special class H dust vacuum cleaners.

Therefore the supplied general instruction booklet must be read beforehand.

In addition to the user instructions and the current regulations in the country of use, the sector's recognised technical regulations for the safe and appropriate use of this equipment must also be followed.

The UNI 10720 standard (Guidelines for selection and use of respiratory protective devices)

establishes the guidelines for the criteria of selection, use and maintenance of respiratory protective devices

#### Transport and handling

**ATTENTION** 

Be sure to close all of the dirt container's locking hooks before transport.

Do not turn the device upside down.

#### Possible uses for the vacuum cleaner

The vacuum appliances to which these user instructions refer are suitable for professional use and, in particular, for the control of dusts with an exposure limit value as per the class rating of the Vacuum cleaner. This is stated on the side of the tank. H CLASS

The collection of the following materials are forbidden:

- Incandescent materials;
- liquids;
- flammable and explosive dusts (for example, magnesium dusts, aluminium dusts, etc.);



The use of this device for the elimination of dusts must be performed in rooms or environments which are sufficiently ventilated whenever the device's exhaust returns into the environment itself. The user must respect the current national regulations in the country in which the device is being employed. The equipment's end user must be read and understood for its use before beginning any work activities, taking note of the safe usage regulations. The user must also receive instruction regarding the dangers deriving from the aspirated materials and the methods for their safe disposal.

#### The device's electrical and compressed air outlets

The electrical or pneumatic outlets of the devices are to be used by single power tools that are being used in conjunction with the vacuum cleaner.

Ensure that the power tool is correctly connected and that the power requirement is no larger than the limitations of the vacuum cleaner.

Before connecting the power tool, ensure that the vacuum power is turned off (0 = OFF). If it is a pneumatic system, ensure that the compressed air circuit is not pressurised, connect the power tool and activate the compressed air connection.

Never leave the vacuum's compressed air circuit pressurised after work activities have been completed: close the system valve upstream from the vacuum and depressurise the compressed air circuit.

#### Maintenance, cleaning and repair

Only perform the maintenance work described in this booklet on the equipment. In case of uncertainty, contact the dealer or an authorized service centre.

Before performing any cleaning or maintenance operations upon the device, remove both the electrical and compressed air power supply cables. Treat the device in a responsible manner so as to avoid creating situations which could be dangerous to both yourself, as well as to others.

A filtered, forced air ventilation system must be employed during maintenance activities. The user must wear any appropriate safety accessories during such operations, especially respiratory protection. The environment in which maintenance activities are to be performed must be decontaminated in order to prevent the dispersion of hazardous substances into the surroundings.

When transporting the device away from or within an area that is contaminated with hazardous substances, the external portion of the device must be vacuumed and wiped down with a cloth before sealing it in an air-tight container.

Any parts which cannot be cleaned must be packaged in air-tight bags and/or disposed of in compliance with the current regulations for the disposal of hazardous substances in the country of use.

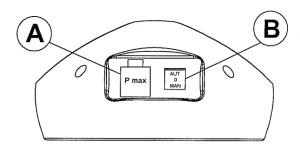
The manufacturer requires that the vacuum be subjected to an annual technical inspection. This inspection may be performed by an authorised distributor's technician and must include

the examination of the aspiration filters, the air-tight seals, as well as the signalling

# DESCRIPTIVE INFORMATION Detailed use of the machine

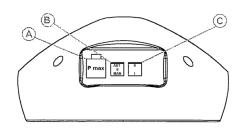
ATTENTION The vacuum cleaner is suitable for extracting dry non-flammable dusts, wood dusts and any hazardous dusts with MaK values 0.1 mg/m³ ( category M dust ). Based on the hazards presented by the dusts to be aspirated, the vacuum must be equipped with appropriate filters: see the following sections.





- B) AUT 0 MAN switch: in the 0 position, the device is off; in the AUT position, the device turns on automatically whenever the connected electrical or pneumatic power tool is activated; in the MAN position, the device requires manual activation.
- A) Electrical outlet with maximum available power indicator;
- Frontal compressed air outlet for the connection of pneumatic utensils (photo 1); rear compressed air connector for connecting the device to the compressed air system (photo 2).

The vacuum with 2 motors is equipped with the following controls:



- B) AUT 0 MAN switch: in the 0 position, the device is off; in the AUT position, the device turns on automatically whenever the connected electrical or pneumatic power tool is activated; in the MAN position, the device requires manual activation.
- A) Electrical outlet with maximum available power indicator;
- C) 0 I activation switch for the second motor, which only starts up when the 1st motor is on in AUT or MAN mode;
- Frontal compressed air outlet for the connection of pneumatic power tool; rear compressed air connector for connecting the device to the compressed air system

#### For the Pneumatic System:

The device is designed to function at pressures ranging from a minimum of 4 bar to a maximum of 15 bar. Below 4 bar, the device's automatic start-up function is not guaranteed.

Never exceed the 15 bar pressure limit.

#### **BEFORE FIRST USE**

#### Vacuum assembly and testing

Before using the device, check that:

No foreign elements are present within the container.

Ensure that the head if fastened down with the head clips. This guarantees an air-tight seal.

The relevant filters and bag have been installed. The bag is equipped with a membrane seal which must be fitted over the internal slot of the tank intake. It also has a complete orifice seal tag which must be applied once the used bag is removed from the tank intake for safe disposal. This is important to ensure that the contained dust does not escape.

The hose is correctly connected to the tank.

the machine is connected to the correct electrical supply.



#### Initial working phase check

Before beginning to vacuum dusts with MaK values, check that the filters fit properly within the device and that they are positioned correctly.

Once the vacuum has been activated, block the aspiration tube and check whether an acoustic signal sounds. The acoustic signal is activated when the speed of the air within the tube falls below 20m/sec. This must be calibrated.

In normal usage conditions, the acoustic signal turns on to signal a reduction in pressure / air flow. Once this sounds the filter must be cleaned and the bag must be replaced. The scientific health reason is that dangerous dust does not remain airborne once air velocity drops below 20m/sec.

#### **USE OF THE DEVICE**

ATTENTION The aspiration of flammable dusts/substances is forbidden.

The sector's reference standard, EN 60335-2-69/A1:2004, lists the dusts which present a risk of explosion when brought into contact with ignition sources.

A filter bag must always be inserted into the container when the device is to be employed for vacuuming dry substances with MaK values.

For innocuous dusts, a lower-performance paper filter bag is also available.

#### **FILTER BAG REFERENCE TABLE:**

CODE	DESCRIPTION	VACUUM MODEL
VTV\$7021	H Class Cartridge Filter	MIDI SYNCRO
VTVS7007	Polyester Filter Bag	MIDI SYNCRO



#### **ATTENTION**

The dust collection bag must not be filled past ¾ of their capacities. Check periodically during use. Do not vacuum liquids or particularly humid substances while the bag filters are installed.

#### **END OF WORK ACTIVITIES**

After hazardous dusts have been vacuumed, the user must open the vacuum.

Disconnect the device's power supply by removing its electrical plug from the outlet.

Empty the container and clean the vacuum.

Store the vacuum in a safe place where it cannot be accessed by unauthorised personnel.

#### MAINTENANCE: FILTER REMOVAL



#### ATTENTION

Be careful to not stir up dusts when performing cleaning operations, filter checks or filter replacements. Use a protective mask. Or a V-TUF filter cleaning box.

#### Replacing the filter bag

Undo the head clips and remove the head.



Remove the used filter bag and close the inlet with the tag as shown below. Dispose of the bag in the correct manner.



Fit the new filter bag, making sure that the bag's membrane seal fits perfectly over the internal slot of the tank inlet and that the bag fits neatly around the edge of the tank internal.

Refit the head ensuring that the clips are completely closed and there is no parts of the dust bag exposed.

#### Emptying the dirt from the container

ATTENTION The container can only be emptied when the device has been employed for vacuuming innocuous dusts without the use of a filter bag.

Remove the device's cover, turn the container upside down and empty it.

The waste materials must always be disposed of in compliance with the current local laws.

#### Replacing the filtering element

Open the closure hooks, lift the vacuum's cover from the container and set it down with the filtering system oriented upwards (use the container as a support surface if necessary).

Unlock the plastic anti-impact basket, by turning it counter clockwise, and extract it; unscrew the tightening knob; slowly remove the filter, placing it in a bag with an air-tight seal. Dispose of the used filter in compliance with the current local laws.



Clean the areas covered by the filter and insert a new filter by following the removal procedure above in the opposite order.



ATTENTION Never use the vacuum without a filter installed.



NOTES

