

# 3M™ Versaflo™ V-500E Supplied Air Regulator

## Technical Data Sheet

### Description

The 3M™ Versaflo™ V-500E Regulator is a belt-worn supplied air regulator. When combined with one of the 3M approved headtops, it forms a supplied air respiratory protection system. The V-500E Regulator can be used with the following headtops: 3M™ Versaflo™ S-Series Headcovers and Hoods, 3M™ Versaflo™ M-Series Faceshields and Helmets and 6000 DIN Series full face mask.

### Features

- Controlled, constant flow of air
- Locking control knob allows airflow to be adjusted to user's preference
- Integrated warning whistle warns the user of low supplied air pressure
- Integrated silencer reduces regulator's noise level to less than 65 dBA
- Integrated replaceable active carbon filter removes odours
- Auxiliary port allows air tools such as paint spray guns to be connected to the regulator without affecting airflow to the headtop
- Can be used with 3M compressed air hoses up to a maximum length of 30 m
- Regulator unit can be adjusted on the belt for right and left-handed users
- Swivelling bayonet connector allows the breathing tube to move freely to the most comfortable position
- No silicone components

### Standards

The V-500E Regulator, in combination with various 3M headtops, has been tested and is compliant with AS/NZS1716:2012.

### Operation/Cleaning

Users need to be trained in the safe operation of this equipment. Routine checks must be carried out in accordance with the user instructions. Cleaning should also only be carried out as specified in the user instructions.

For training requirements please contact 3M Training Department on Phone: 1800 445 867 or Email: [anzfallprotectiontraining@mmm.com](mailto:anzfallprotectiontraining@mmm.com)



V-500

### Specifications

#### 3M™ Versaflo™ V-500E Supplied Air Regulator

Protection Factors	100+ (AS/NZS 1715) against mechanically and thermally generated particulates and gases & vapours.
Inlet Pressure	Pressure range: 3.5 – 8 bar Maximum pressure: 10 bar
Outlet Flow Characteristics	Manufacturer's Minimum Design Flow (MMDF) 170l/min Maximum Flow 305 l/min
Storage conditions	-10°C to +50°C < 90 %RH
Operating temperature	-5°C to +40°C and <90% humidity
Weight	514 g
Inlet and auxiliary outlet port	¼ inch BSP thread
Housing & belt bracket	Noryl plastic (polyphenylene oxide)
Warning whistle	Brass
Belts	Standard belt = polyester Easy-clean belt = polyurethane coated polyester
Operating pressure range	3.5-8 bar
Maximum supply pressure	10 bar



## Applications

The V-500E Regulator, when used with a compliant 3M headtop provides respiratory protection against:

- Particles e.g. fine dusts, aerosols, paint spray or metal fume
- Gases and vapours
- Particles, gases and vapours combined

Application	Typical industry
Spray painting	Automotive & Aerospace
	General transport
	Metal fabrication
	Shipbuilding
Powder coating	Metal fabrication
Material handling	Agrochemicals
	Chemical
	Food processing laboratory Pharmaceutical
Grinding and deburring	Automotive
	Metal fabrication
Welding	Metal fabrication
	Shipbuilding

## Limitations

The V-500E Regulator should not be used:

- In atmospheres containing less than 19.5% oxygen (3M definition).
- In confined spaces (as defined by AS 2865).
- For airborne contaminant concentrations above the rated level of protection assigned as per AS/NZS 1715. When used with a full facemask, this respirator airline system is given a Required Minimum Protection Factor of 100+ by AS/NZS 1715
- Against unknown concentrations of contaminants or at concentrations above the immediately dangerous to life or health (IDLH) level.

## Important Notice

To the extent permitted by law, 3M shall not be liable for any loss or damage including any loss of business, loss of profits, or for any indirect, special, incidental or consequential loss or damage arising from reliance upon any information herein provided by 3M. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence.



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## Ordering Information

### Supplied Air Regulator

3M Code	Model #	Description
XA007706675	V-500E	Supplied Air Regulator (Excludes breathing tube)

### Spare Parts & Accessories

3M Code	Model #	Description
52000017831	023-05-51P5	Carbon Filter & O-Ring Kit (5 x Replacement Filters plus 10 x O-Rings)
XA007706592	TR-325	Std Waist Belt
XA007706691	TR-326	Leather Waist Belt
XA007706709	TR-327	Easy Clean Waist Belt
AT019184327	901-00-81	Airline Coupling, Male BSPT 1/4"
70071564432	BT-926	Flame Resistant Breathing Tube Cover - 1 per case
XA007706527	BT-922	Versaflo Breathing tube cover 5/pack
70071533015	BT-20L	Breathing Tube
XA007706584	BT-30	Breathing Tube, Adjustable Length
UU003085113	BT-40	Breathing Tube, Heavy Duty
AT010587411	504	Respirator Cleaning wipes 100/box
AT019165714	901-00-56	Breathing Hose 7.5m - CEJN
AT019165698	901-00-54	Breathing Hose 15m - CEJN
AT019165706	901-00-55	Breathing Hose 10m - CEJN
AT019185233	901-00-63	Breathing Hose 30m - CEJN
AT019184335	901-00-47	Air Panel with CEJN Fittings - 3 person
AT019202772	901-01-07	Breathing Air Panel - 1 Fitting, 1 person

### Ready to use Airline Kits

3M Code	Model #	Description
AT010587783	902-03-84	Versaflo Spray Painter Kit, ALVM-106E
AT010587809	902-03-86	Versaflo Supplied Air Helmet with Neck Shroud ALVM-406E

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