

# 3M™ Versaflo™ Supplied Air Regulating Valve Assembly V-300

## Technical Data Sheet

### Description

The 3M™ Versaflo™ Supplied Air Regulating Valve Assembly Kit consists of a belt, an air regulating valve/muffler assembly and QRS Breathing Hose that connects to one of the wide range of 3M QRS Headtops. The use of a continuous flow airline system can provide high protection factors in contaminated environments.



### Application

There are many workplace applications, including:

- Grinding
- Polishing
- Spraying
- Powder Coating
- Chemical processing

### Features

- Provides comfort and high protection levels.
- Compatible with all 3M QRS headtops as required for various applications.
- User adjustable flow rate from 170—425 L/min (6-15 cfm).
- Used with AS/NZS 1716 compliant airline hose.
- No increased breathing resistance.
- Suitable for use with certain beards and facial hair with selected loose fitting headtops.
- Includes TR-325 belt.

### Standards

The V-300 Regulator, in combination with various 3M headtops, has been tested and is compliant with AS/ NZS 1716:2012.

### Limitations

The V-300 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 facepiece, 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.

### 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.

### Specifications

#### Weights

V-300 ARV & Belt	410 gms
QRS Breathing hose	120 gms

#### Pressure requirement at regulator

Inlet pressure range	3.5 - 8 bar
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### Compatible Hoods and Headtops





## Ordering Information

SAP ID	Legacy ID	Availability		Model #	Description
		AUS	NZ		
7100077491	70070799161	•	•	V-300	3M™ Versaflo™ Air Regulating Valve Assembly V-300/37019(AAD), No fitting or breathing tube, 1 EA/Case
7012887859	AT019167991	•		902-01-78	3M™ Versaflo Supplied Air Regulating Valve Assembly 902-01-78, V-300 with CEJN 342 fitting, 1 ea/Case. No Breathing Tube
7012873867	AT019184236	•		902-02-17	3M™ Versaflo Supplied Air Regulating Valve Assembly Kit 902-02-17, V-300 with CEJN 342 fitting & BT-30 breathing tube, 1 ea/Case
7000126276	70070799112	•	•	V-211	3M™ Versaflo™ Vortemp™ Muffler Kit V-211 1 EA/Case
7000002156	78812417836	•	•	V-199	3M™ Adapter V-199/37069(AAD) 4 EA/Case



## Breathing Tubes

SAP ID	Legacy ID	Availability		Model #	Description
		AUS	NZ		
7100296133	70071767472	•		BT-20L	3M™ Versaflo™ Breathing Tube BT-20L, Medium/Large, 1 ea/Case. Fixed length lightweight Polyurethane L=965mm
7100134625	70071533023	•		BT-20S	3M™ Versaflo™ Breathing Tube, BT-20S/37309(AAD), Small/Medium, 1 EA/Case. Short Fixed length lightweight Polyurethane L=735mm
7100006955	XA007706584	•	•	BT-30	3M™ Versaflo™ Breathing Tube, Self-adjusting, BT-30 L= 525-850
7100069524	UU003085113	•	•	BT-40	3M™ Versaflo™ Heavy Duty Breathing Tube BT-40, 1 ea/Case Fixed length Neoprene Rubber L=840mm



QR-PSA-BT  
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## Supplied Air Breathing Hoses



QR-SAHOSE

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901-00-54

901-00-47

901-00-47



QR-901-00-47

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## V-300 Air Regulating Valve Airline Kit Parts & Accessories

SAP ID	Legacy ID	Availability		Model #	Description
		AUS	NZ		
7012890770	AT019165714	•		901-00-56	3M™ Supplied Air Hose & Hose Assembly, Supplied Air Breathing Hose with CEJN 342 Fittings, 7.5 m, 1 ea/Case
7012886198	AT019165706	•		901-00-55	3M™ Supplied Air Hose & Hose Assembly, Supplied Air Breathing Hose with CEJN 342 Fittings, 10 m, 1 ea/Case
7012913494	AT019165698	•	•	901-00-54	3M™ Supplied Air Hose & Hose Assembly, Supplied Air Breathing Hose with CEJN 342 Fittings, 15 m, 1 ea/Case
7012887764	AT019185233	•		901-00-63	3M™ Supplied Air Hose & Hose Assembly, Supplied Air Breathing Hose with CEJN 342 Fittings, 30 m, 1 ea/Case
7012890154	AT019184335	•		901-00-47	3M™ Supplied Air Breathing Air Panel, 901-00-47 with 3 x CEJN 342 Fittings, 1 ea/Case

## 3M Supplied Air Regulator and Air Regulating Valves Comparison Chart

3M™ Supplied Air Regulators and Valves provide comfortable, cost effective respiratory protection for all-day use. Supplied air respirators offer many features over traditional respiratory protection, such as cooling or heating incoming air with certain valves and low maintenance. 3M™ Supplied Air Respirators require a source of clean breathing air such as plant air systems or bottled air. This clean, breathable air can be delivered to a range of hoods and helmets

	V-100	V-200	V-300	V-500E
				
<b>SAP Code</b>	7100331585 (AU & NZ) 7012872248 (AU)	7100331680 (AU & NZ) 7012889455 (AU)	7100077491 (AU & NZ) 7012873867 & 7012887859 (AU)	7100005806
<b>Legacy ID</b>	AT019167983 (AU) AT019184244 (AU) with BT-30	AT010589466 (AU)	AT019167991 (AU) AT019184236 (AU) with BT-30 70070799161 (NZ)	XA007706675
<b>Availability</b>	AU & NZ	AU & NZ	AU & NZ	AU & NZ
<b>Compatible Breathing Tubes*</b>	BT-20S, BT-20L, BT-30, BT-40	BT-20S, BT-20L, BT-30, BT-40	BT-20S, BT-20L, BT-30, BT-40	BT-20S, BT-20L, BT-30, BT-40
<b>Belt</b>	TR-325	TR-325	TR-325	TR-325
<b>Airline Hose Connection Type</b>	7100331585 - No fitting 7100331585 (AU) - CEJN 342	7100331680 - No fitting 7012889455 (AU) - CEJN 342	7100077491 - no fitting 7012873867 & 7012887859 (AU) CEJN 342	
<b>Approximate Weight</b>	650g	750g	268g	514g
<b>Inlet Pressure</b>	62-72 psig (4 bar to 5 Bar) From an up to 30m airline hose	64 – 68 psig (4.4 – 4.7 Bar) From an up to 30m airline hose	30-35 psig (2-2.4 Bar) From an up to 30m airline hose	50-116 psig (3.5-8 Bar) Max Pressure 10 Bar From an up to 30m airline hose
<b>Airflow outlet range</b>	6-15 cfm (170 to 425 lpm)	6-15 cfm (170 to 425 lpm)	6-15 cfm (170 to 425 lpm)	6-10 cfm (170 to 305 lpm)
<b>Temperature Adjustment</b>	✓ Up to 25°C Cooling	✓ Up to 25°C Heating		
<b>Low Pressure Warning Whistle</b>				✓
<b>Optional outlet to spray gun</b>				✓
<b>Odour filter</b>				✓

CFM = Cubic feet minute. LPM = Litre per minute. PSI – Pounds per square Inch gauge. Bar = Atmospheric pressure

\*Note: Refer to catalogue sections for further information on each product and country availability.

Note: Confirm if your compressor has sufficient free air capacity for all users, regulators, sprays guns, other equipment etc. to maintain respiratory protection for wearers of respiratory protective equipment. The more users and equipment connected to the system the greater the free air capacity required

## Discussion on Respirable Air

- Many older compressed air systems may provide air that is unfit for human respiration without secondary air treatment. This is due largely to the presence of objectionable oil vapors and odours. Rules and regulations governing air quality when using compressed air for respiration are quite specific. Precautions must be observed when using compressed air for breathing purposes.
- Oil mist from the compressor lubricating oil must not be present when the air reaches the air control device. Excessive amounts of water vapour and any particulate matter should also be removed as they may affect performance of the air control devices.
- Refer AS/NZS 1716 Appendix A and/or SA/SNZ TS ISO 16975.1:2023 for further information on breathable air quality requirements.

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