

# 3M™ Versaflo™ AP-600 Series Air Filtration Panels

For use with 3M™ Versaflo™ Supplied Air Respirator Systems



The image is a collage of three photographs. On the left, a man wears a black 3M Versaflo AP-600 helmet with a clear face shield and orange ear protection. On the right, a man in a white protective suit and hood uses a spray gun. In the center, the Versaflo AP-600 air filtration unit is shown, a grey machine with a blue filter, a pressure gauge, and a handle. The text 'Work in a World of Comfort' is overlaid on the bottom half of the collage.

# Work in a World of Comfort



### Air Filtration Panels are used to:

- 1 Control the pressure of air delivered to a supplied air respirator
- 2 Remove contaminants from compressed air to make it safer to breathe\*



There are four potential sources of contamination to breathing air in a typical system, and 3M Versaflo Air Filtration Panels can help with all of them.

#### Atmospheric Contaminants

Environmental pollution, including particulates and odors can be drawn into a compressor air inlet. Poorly positioned air inlets can also allow carbon monoxide from vehicles to be drawn into plant air.

#### Compressor Contaminants

The quickly moving parts inside a compressor can generate oil mists and fine particles that can be carried along in compressed plant air. In worst case conditions, lubricating oil can burn and produce dangerous levels of carbon monoxide gas.

#### Air Distribution Piping

Rust and scale, oil and water can all accumulate in old piping, and contribute to airborne particles, mists and odors in plant air.

#### Leaks

Faulty piping or pipe connections can allow airborne workplace gases and vapors to be drawn into the air stream of a compressed air system.



#### Ideal for use in many industries

- Automotive
- Petrochemical
- Public Utilities
- Shipbuilding
- Construction
- Military
- Mining
- Pharmaceutical

#### Ideal for use in many applications

- Spray Painting
- Sandblasting
- Welding
- Tank Cleaning
- Toxic Material Handling
- Hazardous Material Clean Up
- Chipping/Grinding

\* Like air purifying respirators, air filtration panels can help to reduce the airborne concentration of certain contaminants. See the product User Instructions for further information.

# 3M™ Versaflo™ Supplied Air Respirator Systems

This chart shows examples of our 3M Versaflo Respirators. The AP-600 Panels can be used with other 3M™ Supplied Air Systems; contact your 3M Sales Representative for further options and information.

## Rigid Headtops



## Headcovers & Hoods



## Tight Fitting



### Headgear



M-Series



S-Series



FF-400 Series, 7500 Series, 6000 Series

### Breathing Tubes and Air Regulating Valves



BT-Series, V-Series

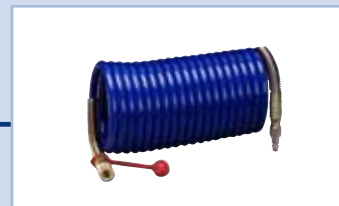


SA-Series

### Airlines



W-9435 Series



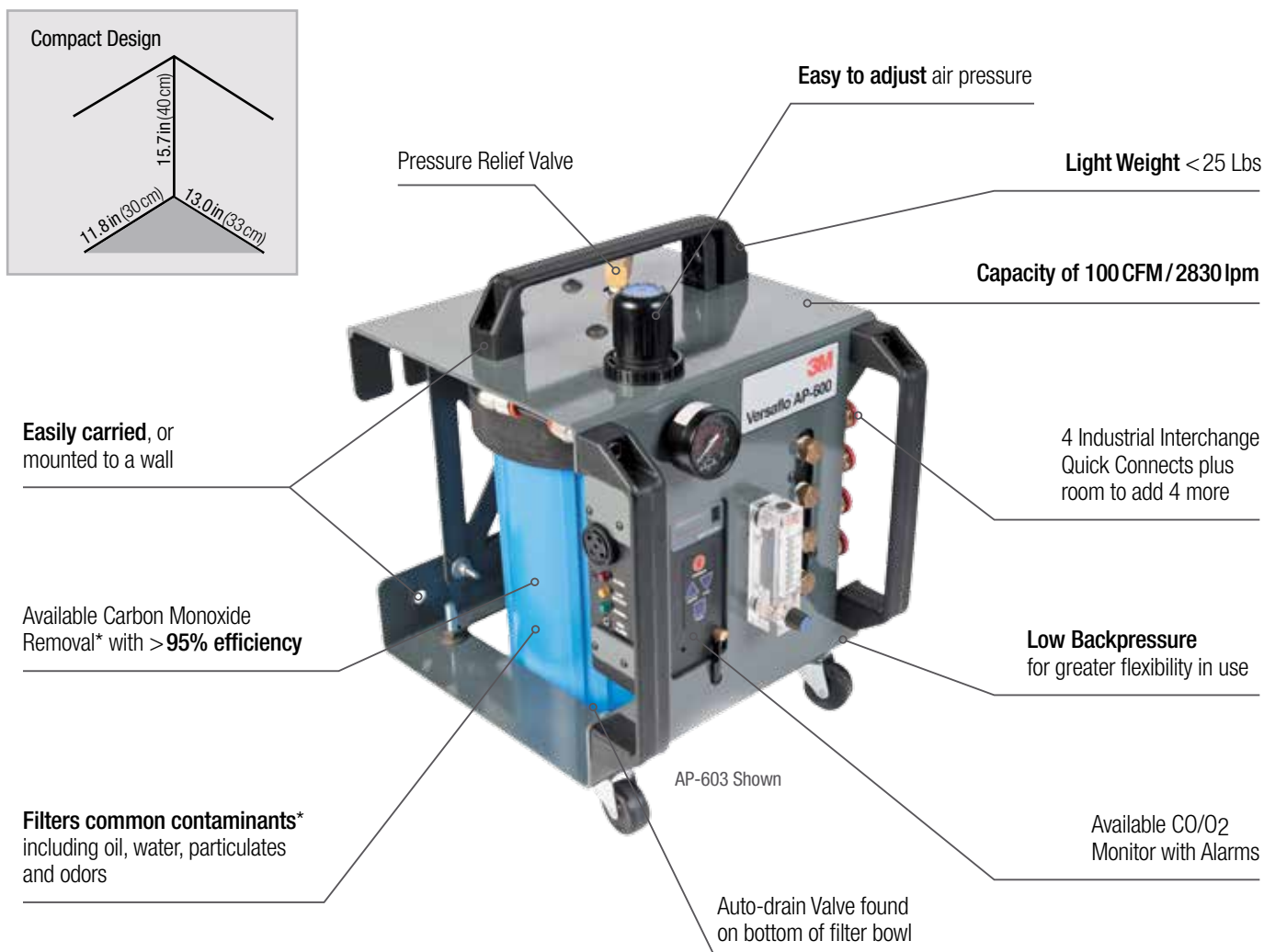
W-2929 Series

### Panels



AP-600 Series

# Introducing 3M™ Versaflo™ AP-600 Series Air Filtration Panels



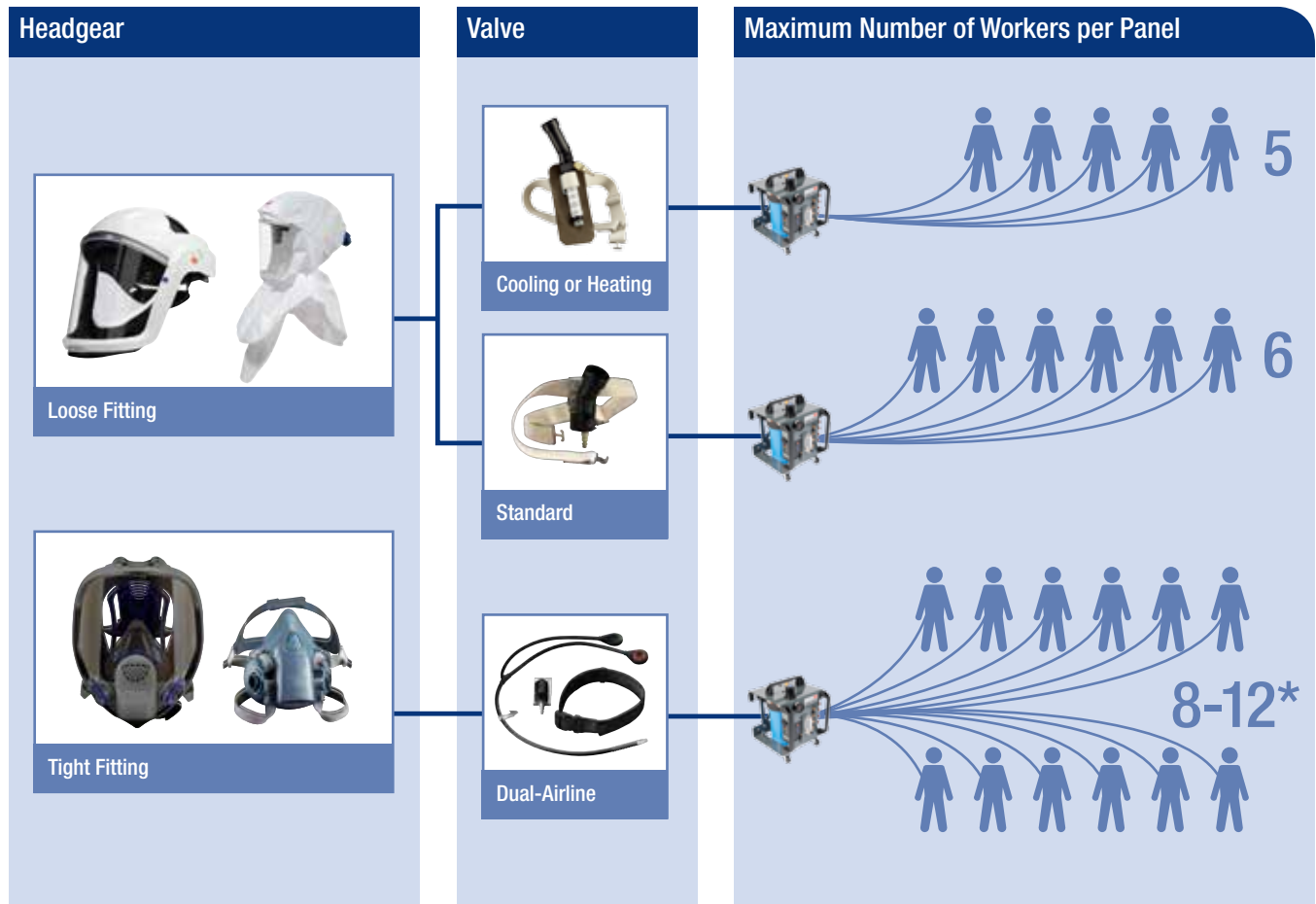
AFP Model Number	Capacity (CFM / lpm)	CO/O <sub>2</sub> Monitor	CO Removal	Particulate and Odor Removal	Maximum Available Outlets
AP-603	100 / 2830	Yes	Yes	Yes	8
AP-602	100 / 2830	Yes	No	Yes	8
AP-601	100 / 2830	No	No	Yes	8

\* Like air purifying respirators, air filtration panels can help to reduce the airborne concentration of certain contaminants. See the product User Instructions for further information.





# Capacity



\* Eight (8) outlets are available. To connect 12 workers, attach four (4) T-fittings to panel and attach eight (8) additional fittings.

## Low Backpressure

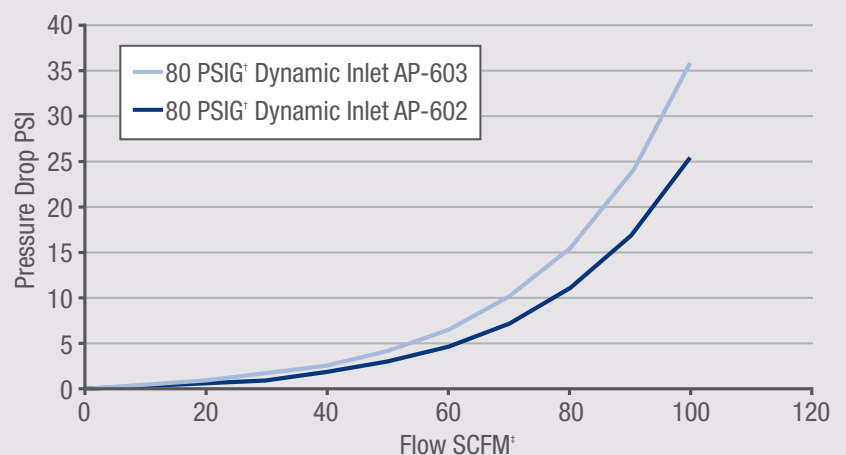
The AP-600 series air panels have low backpressure, which;

- enables their use in more applications where plant air pressure is restricted
- can enable a wider choice of respirator system components.

<sup>†</sup> Pound-force per square inch gauge

<sup>‡</sup> Standard cubic feet per minute

## 3M Versaflo AP-600 Series Pressure Drop Curves



## Air Contaminant

### Monitoring

The AP-621-1 Carbon Monoxide and Oxygen Monitor continuously measures the concentration of carbon monoxide (CO) and oxygen (O<sub>2</sub>) in the air. This system produces an audible and visual alarm when CO concentrations exceed 5 PPM, or O<sub>2</sub> concentrations drop below 19.5%.



- Continuous monitoring of CO and O<sub>2</sub>
- Digital readout
- Audible and visual alarms
- Available remote CO/O<sub>2</sub> alarm
- Alarms when CO exceeds 5 PPM
- 2 'C' Cell batteries provide power for approximately 1 year
- Visual "low battery" indicator
- Optional AC adapter jack
- Easy installation
- Easy calibration

### Filtration\*



The AP-611-1 Cartridge uses a 3M proprietary technology to efficiently filter common odors and oil mist from the air.



The AP-612-1 Cartridge uses a 3M proprietary technology to efficiently filter carbon monoxide from the air. Third party testing has confirmed **CO removal efficiency greater than 95%.**

\* The 3M™ Portable Compressed Air Filter and Regulator Panel AP-600 Series, with or without Carbon Monoxide (CO) Filtration and Monitor, is intended to filter and regulate compressed air to be used with supplied air respiratory protection systems.

The employer must provide breathing air that meets at least the requirements of the specification for Grade D breathing air, as described in the Compressed Gas Association Commodity Specification G-7.1 in the United States. In Canada, refer to CSA standard Z180.1, table for the quality of compressed breathing air. There is no assurance that by using the 3M™ Portable Compressed Air Filter and Regulator Panel AP-600 Series, with or without Carbon Monoxide Filtration and Monitor, the filtered compressed air will meet the requirements of Grade D breathing air. In Canada, refer to the requirements of CSA standard Z180.1. Misuse may result in sickness or death. For proper use, see supervisor or User Instructions, or call 3M in U.S.A., 1-800-243-4630. In Canada, call Technical Service at 1-800-267-4414.

# Accessories, Consumables and Spare Parts



Part Number	Category	Description
529-05-20	Accessory	Remote Alarm and Strobe Assembly, 1/Case
AP-621-1	Accessory	Carbon Monoxide and Oxygen Monitor
AP-622-1	Accessory	Air Panel Cover, clear plastic, 1/Case
AP-623-1	Accessory	Air Panel Rigid Cover, 1/case
AP-624-1	Accessory	AC Adapter for AP-621-1 Monitor
AP-625-1	Accessory	Air Panel Rigid Case with window, 1/case
AP-626-1	Accessory	Paint Spray Assembly, 1/case
AP-611-1	Consumable	Cartridge: particulate/mist and nuisance odor, 1/Case
AP-612-1	Consumable	Cartridge: CO Catalyst, 1/Case
AP-631-1	Spare Part	Replacement Filter Bowl with Auto-drain and O-ring; 1 assembly/case
AP-632-5	Spare Part	Replacement O-ring, 5/Case
AP-635-1	Spare Part	Replacement Gas Sensors:, CO/O <sub>2</sub> , 1 pair /Case
AP-637-1	Spare Part	Air Panel Handle, 1/Case
AP-638-4	Spare Part	Air Panel Castors, 4/Case
AP-639-1	Spare Part	Replacement Spanner Wrench, 1/Case
W-1449-2	Spare Part	Replacement Quick Connect, Industrial Interchange, 2/Case



AP-622-1



AP-631-1



AP-635-1

## Supplied Air Respirator System Configurations

Tight Fitting



Headcovers & Hoods



Rigid Headtops



### For More Information

#### In U.S.

Technical Assistance 1-800-243-4630  
Hours of Operation: 8:00 a.m. – 4:30 p.m. CST

Customer Care Center 1-800-328-1667  
Hours of Operation: 7:00 a.m. – 5:00 p.m. CST

Internet 3M.com/PPESafety  
3M.com/Versaflo

#### In Canada

Technical Assistance 1-800-267-4414  
Hours of Operation: 8:00 a.m. – 4:30 p.m. EST

Customer Care 1-800-364-3577  
Hours of Operation: 7:30 a.m. – 6:00 p.m. EST

Internet 3M.ca/PPESafety



#### ⚠WARNING

These products are intended to filter and regulate compressed air to be used with supplied air respiratory protection systems. Misuse may result in sickness or death. Before use, the user must read and understand the User Instructions provided as a part of the product packaging. For proper use, see supervisor or User Instructions, or call 3M in U.S.A., 1-800-243-4630. In Canada, call Technical Service at 1-800-267-4414.



**Personal Safety Division**  
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70-0716-2647-0