



Breathe Easy with  
**Dalton & STS Shigematsu**



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# Why Dalton International Selected STS Shigematsu

Dalton International's policy is to deal direct with the manufacturer to source products that meet all Australian and New Zealand safety standards, and that are of the highest quality in line with our own company's standards.

We wanted to become New Zealand's exclusive supplier of Shigematsu respiratory and filter products because we know and trust the company, and understand their longevity in the business has come from their quality, innovation and attention to detail – exactly the sort of business we want to actively market in New Zealand.

STS Shigematsu's company motto points perfectly to how they have revolutionised respiratory protection in New Zealand: "Do not be satisfied with the present state. Find a better solution."



# Who is STS Shigematsu?

When Dalton International hosted Shigematsu president Nobuo Shigematsu in New Zealand in March 2017, we were dealing directly with the third generation of a family that has toiled constantly for a century to create, develop and refine a prime product.



Both founder Teizo Shigematsu, who started manufacturing particulate and gas respirators and protective spectacles for mines and other industries in 1917, and subsequent chairman Kaisaburo Shigematsu have both been awarded Japan's highest commendation short of royalty and politicians: The Order of the Rising Sun with Gold and Silver Rays, showing that this is a highly respected company both at home and around the world.

## 100 years of excellence

*"I believe that the 100th anniversary of our foundation is more than just a mere milestone, but is in fact a significant juncture to rebirth."*

- Shigematsu president Nobuo Shigematsu



**September 1917:** Established by Teizo Shigematsu who started selling scientific instruments before moving on to manufacturing respirators and protective spectacles for mines and other industries.

**March 1942:** Reorganised as Shigematsu Works Co and took up position of president.

**1945:** Headquarters and plant destroyed in air raid – rebuilt in 1947.

**1962:** Current plant at Saitama opened.

**1963:** Registered on Tokyo Stock Market.

**1964:** Kiyoshi Takano appointed president.

**1965:** Teizo Shigematsu awarded the Order of the Rising Sun Fifth Class with Gold and Silver Rays.

**1977:** Kaisaburo Shigematsu appointed president.

**1981:** Technical research centre established at Saitama plant.

**1990:** Opened Funehiki plant and acquired Standards Mark Licence for Saitama Plant from Standards Australia.

**1992:** Acquired Standards Mark Licence for Funehiki Plant from Standards Australia.

**1998:** Nobuo Shigematsu appointed president.

**2002:** Kaisaburo Shigematsu awarded the Order of the Rising Sun Fifth Class with Gold and Silver Rays.

**2007:** Second factory opened at Funehiki Plant.

**2011:** New HQ opened in Kita-ku, Tokyo.

# STS Shigematsu & the NZ Industry

## 5 Reasons STS Shigematsu is taking off in New Zealand

### 1. Innovation:

- a. STS Shigematsu prides itself on its innovative design and feature-rich respirators. Examples include the new Breath responsive SYNC01VP3 PAPR which is a compact breath responsive powered air respirator that is leading the way in protection for the asbestos removal and demolition industry. In addition, speech diaphragms on the CF01 Full Face and RX01 Half Mask increase the clarity of communication for wearers.

### 2. Comfort:

- a. Ultra-light-weight respirators like the RS01 (105g) and the CF01 (360g) reduce wearer fatigue.
- b. The 6-point harness on the CF01 Full Face Mask allows for better adjustment to get a comfortable and secure fit.

### 3. Ease of use:

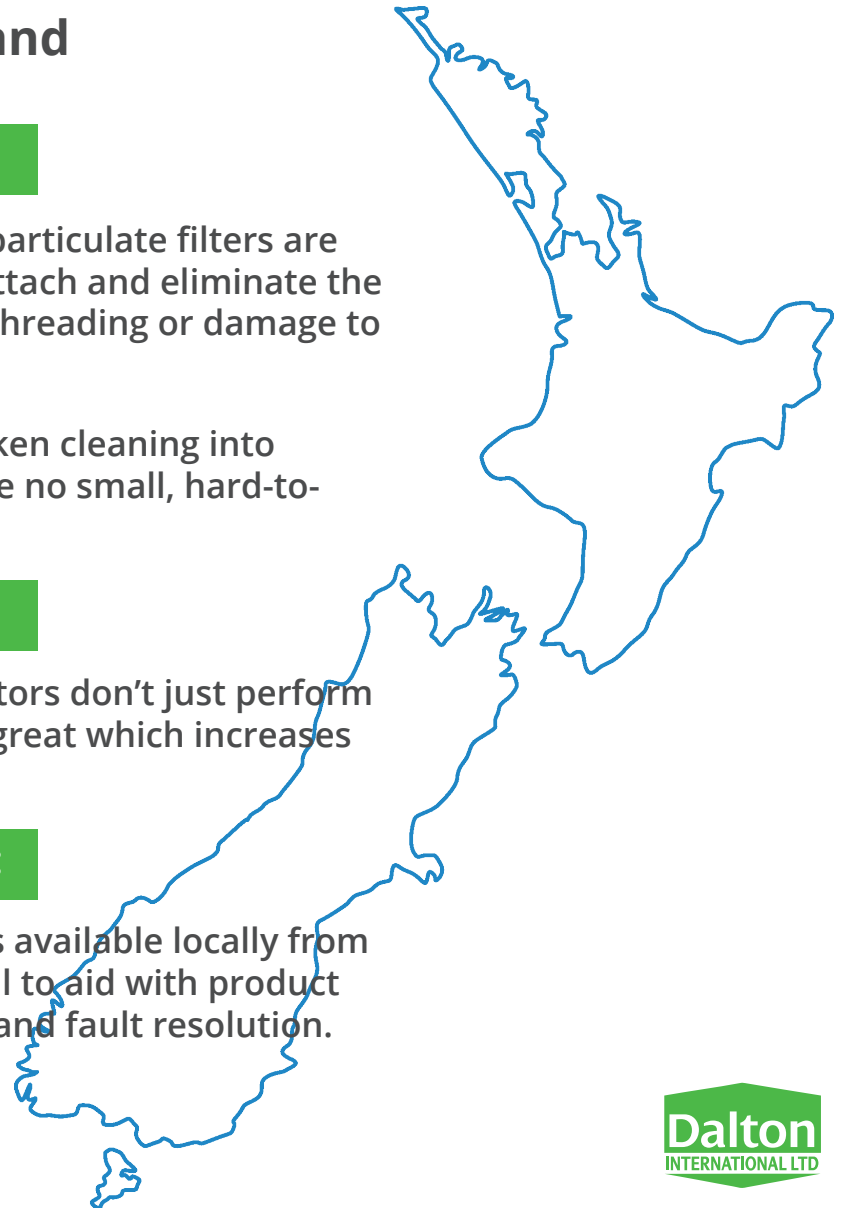
- a. Twist-lock gas and particulate filters are quick and easy to attach and eliminate the potential for cross threading or damage to the filter.
- b. Mask design has taken cleaning into account so there are no small, hard-to-reach surfaces.

### 4. Style:

- a. Shigematsu respirators don't just perform well they also look great which increases user acceptance.

### 5. Local support:

- a. Technical support is available locally from Dalton International to aid with product and filter selection and fault resolution.





# Criteria for Selecting a Respirator

If you have any doubts as to the correct device for a particular situation, you should seek expert advice from Dalton International. WorkSafe NZ states three basic factors to take into consideration when choosing a respirator:



## 1. Contaminant-related:

- a. Nature, toxicity, physical form and concentration of contaminant.
- b. Whether failure of the device would result in a situation which is immediately dangerous to life or health.
- c. The need to wear other personal protective equipment, e.g. eye, skin or hearing protection.
- d. The adequacy of the warning given by the contaminant, e.g. odour threshold.
- e. The possibility of the contaminated atmosphere being flammable.



## 2. Task-related:

- a. Whether the device is for regular use or for emergency or rescue purposes.
- b. The probable length of time during which the wearer will be in the contaminated atmosphere.
- c. The expected level of activity and mobility required by the wearer.
- d. The access and location air source are suitable for breathing.
- e. The need for clear vision and communication.
- f. The facilities available to maintain the device.

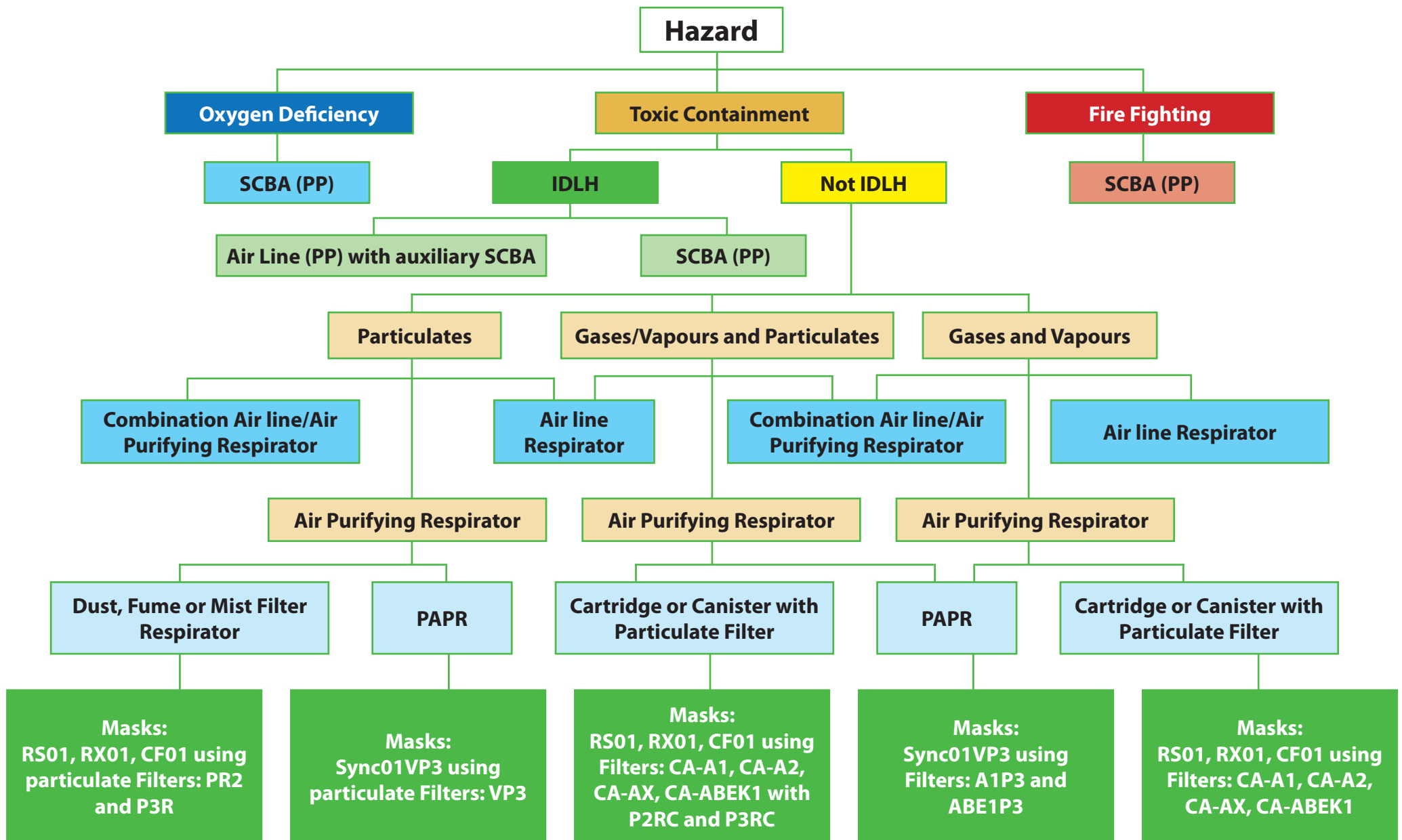


## 1. Operator-related:

- a. The effect of the general environment on the operator.
- b. The importance of facial fit, (the presence of facial hair will adversely affect the fit).
- c. The comfort afforded by the respirator over extended periods of use.

# How to Choose Your STS Respirator

## Selection of Respirators



# STS Shigematsu Masks



## Sync 01VP3

### Features:

- 6-point head harness gives more stability and firmer fit.
- Speech diaphragm makes for easier and safer communication.
- Switchless, breath responsive unit starts automatically and turns off 5 seconds after doffing.
- Cordless unit means no battery cable to disturb work and donning.
- Pressure inside facepiece is kept positive to provide higher degree of safety compared to negative pressure respirators.
- LED filter replacement indicator

### Suitable for these industries:

- Asbestos Removal
- Powder Coating
- Demolition

Also available with new A1P3 filter suitable for Agricultural and Paint spraying and the ABE1P3 filter suitable for the use in chemical manufacturing.



## RS01

### Features:

- Extremely lightweight – 110g or 150g with P3R filters attached – means comfortable to wear with less fatigue.
- Intuitive twist-lock connectors for filters.
- 4-point drop-down head harness.

### Suitable for these industries:

- Insulation Installation
- Paint Spraying
- Agricultural / Horticultural Spraying
- Concrete Cutting



# STS Shigematsu Masks



## RX01

### Features:

- Speech diaphragm makes for easier and safer communication.
- Intuitive twist-lock connectors for filters.
- 4-point drop-down head harness.

### Suitable for these industries:

- Insulation Installation
- Paint Spraying
- Agricultural / Horticultural Spraying
- Concrete Cutting

*NOTE: same industries as before but preferred for comfort when used for long durations*



## CF01

### Features:

- 6-point head harness gives more stability and firmer fit.
- Speech diaphragm makes for easier and safer communication.
- Intuitive twist-lock connectors for filters.
- Ultra-lightweight – 360g is almost half the weight of other full-face masks – means comfortable to wear with less fatigue.
- Polycarbonate 3D-curve, anti-scratch visor.
- Designed for use with safety helmet and coveralls.

### Suitable for these industries:

- Asbestos Removal
- Meth Remediation
- Chemical Industry
- Pharmaceutical Industry

# STS Shigematsu Cartridges & Filters

## Particle filters



### P2R

#### Features:

- Water and oil repellent
- Filters 94% of particulates
- Mechanical filtration doesn't lose filtration efficiency as it gets full or wet
- Hard casing protects filter material from damage
- AS/NZS 1716:2012 certified



### P2RC

#### Features:

- As per P2R, but only used when attaching to the CA series gas filters. These are single use only and must be replaced after every shift.



### P3R

#### Features:

- Water and oil repellent
- Filters 99.95% of particulates
- Mechanical filtration doesn't lose filtration efficiency as it gets full or wet
- Hard casing protects filter material from damage
- AS/NZS 1716:2012 certified



### P3RC

#### Features:

- As per P3R, but only used when attaching to the CA series gas filters. These are single use only and must be replaced after every shift.



### VP3

#### Features:

- P3 Filter for Sync01 Powered Air Respirator
- Provides 99.95% filtration efficiency
- Ideal for filtering fine dust particles such as asbestos and silica as well as mists

# STS Shigematsu Cartridges & Filters

## Gas filters



### CA-A1

#### Features:

- A1 Organic Gases and Vapours Filter
- Boiling point of more than 65°C; offers protection when working with organic solvents such as xylene, toluene, Mek plus degreasers, paint thinners and adhesives
- Can also be used for pesticides, herbicides and paint spray when partnered with a P2RC or P3RC pre-filter
- Twist lock connection to STS masks is quick and easy to secure
- AS/NZS 1716:2012 certified



### CA-A2

#### Features:

- A2 Organic Gases and Vapours Filter
- Boiling point of more than 65°C; designed for areas of higher concentration of organic gasses and vapours, up to a maximum of 5,000 ppm (0.5% of volume)
- Offers protection when working with organic solvents such as xylene, toluene, Mek plus degreasers, paint thinners and adhesives
- Can also be used for pesticides, herbicides and paint spray when partnered with a P2RC or P3RC pre-filter
- Twist lock connection to STS masks is quick and easy to secure
- AS/NZS 1716:2012 certified



### CA-AX

#### Features:

- AX Organic Gases and Vapours Filter
- Boiling point of less than 65°C; offers protection when working with organic solvents with low boiling points (<65°) such as acetone, butane, methanol, vinyl chloride etc.
- AX filters are single use only and must be replaced after every shift
- Twist lock connection to STS masks is quick and easy to secure
- AS/NZS 1716:2012 certified



### CA-ABEK1

#### Features:

- ABEK1 Multi-Gas Filter
- Offers protection against organic and inorganic gases and vapours, sulphur dioxide and other acid gases, ammonia and organic ammonia derivatives
- Use where multiple gases and vapours exist
- Twist lock connection to STS masks is quick and easy to secure
- AS/NZS 1716:2012 certified

## **What steps should my company take to ensure STS Shigematsu masks are fit-checked?**

It is a requirement of the AS/NZ 1715 standard that all respirators are fit checked at least annually. There are a number of providers of fit testing services and Dalton International will be happy to provide a list of providers in your area.

## **How easy is it to get hold of accessories and spare parts for STS Shigematsu respirators?**

Dalton International stocks the full array of spares and accessories in New Zealand which can be purchased through your local STS Shigematsu distributor.

## **Are there any specific maintenance and storage issues when using STS Shigematsu respirators?**

All reusable respirators need to be properly maintained and checked regularly. We recommend cleaning your respirator after each use with a respirator wipe, storing your respirator in a sealed box to keep it dry and clean when not in use and doing a visual check of the valves, seals and straps before use. It is also important to change filters regularly, for example any filter that uses activated carbon should be changed 3 months after it is removed from its sealed packet regardless of use.





**Contact the team at Dalton International for more  
information on STS Shigematsu Respirators**

**0800 323 223**



**[www.daltoninternational.co.nz](http://www.daltoninternational.co.nz)**