

NEW ZEALAND'S LEADER IN HAZCHEM SAFETY SYNCHRO SERIES BREATH RESPONSIVE PAPR









INTRODUCTION

- 1. Introducing the Synchro Series PAPR respirators from STS Shigematsu
- 2. Synchro PAPR respirators are the latest in "Breath Responsive" PAPR
- 3. This presentation sets out the product information you need to know and the key benefits of the Synchro range



SHIGEMATSU

- Japan's leading respiratory manufacturer
- Shigematsu, pronounced Shig-e-mat-su (or STS for short)
- In business for over 100 years (established 1917)
- Manufacturers of high-quality respiratory protection
- Represented by pH₇ in New Zealand

THREE NEW PAPR RESPIRATORS



Sync01



Sync09

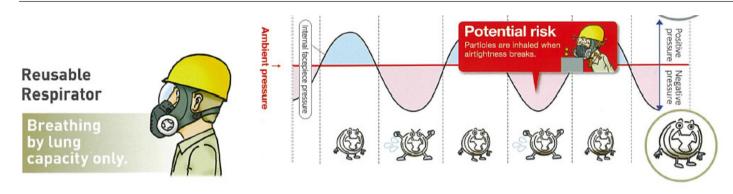


Sync11



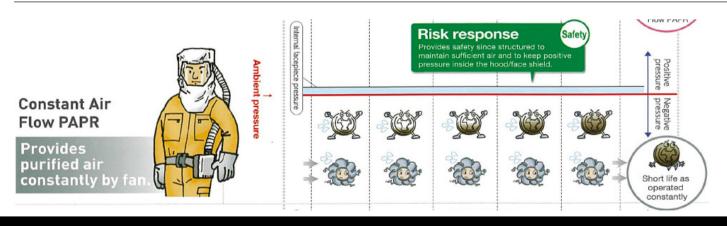
BREATH RESPONSIVE PAPR EXPLAINED

Negative Pressure Masks



- Air pressure in the mask goes from positive to negative when breathing.
- Higher risk of contaminants entering the mask when inhaling
- Good face seal is essential
- Tiring for the wearer



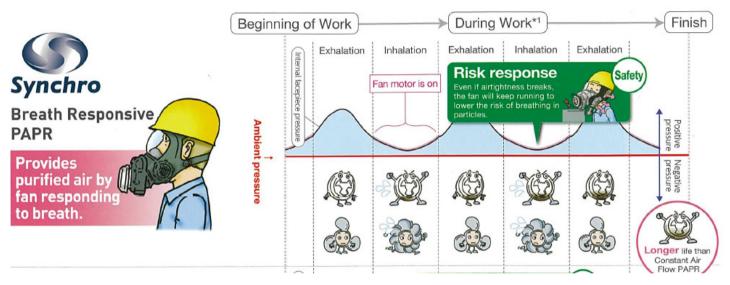


- Air pressure in the mask is always positive (safer).
- Easy breathing for the wearer
- Filter and battery ALWAYS on so you need a large battery (heavy) and you burn through filters faster.



BREATH RESPONSIVE PAPR EXPLAINED

Breath Responsive PAPR



- Air pressure in the mask is always positive (safer).
- Fan motor only works when you inhale = longer battery life / smaller battery
- Filter only working when inhaling = longer filter life / smaller filters
- If the face seal is broken, the motor keeps working like a constant flow PAPR to maintain positive pressure

3 KEY BENEFITS

Compact & Lightweight

- <770g
- No cables or cords to get tangled

Better Communication

- Speech amplifier (Sync09)
- Speech diaphragm (Sync01)

Simple to Use

- No of/off switch
- Just put it on and start working



A CLOSER LOOK AT THE SYNC01



- EN 12942: 1998 + A2: 2008
- AS/NZS 1716:2012
- IEC 60529:2001 IP65 Rated

*Estimated battery life by filter: VP3 >9hr | VA1P3 >8hr

- Key markets:
 - Asbestos removal
 - Silica dust
 - Agricultural spraying
 - Paint spraying
- AS/NZS 1716:2012 Filters
 - VP3 Particulate STS40350
 - VA1P3 Organic Vapour Particulate – STS40250
- Sizes:
 - Medium STS40400
 - Large STS40401









A CLOSER LOOK AT THE SYNC09



- EN 12942: 1998 + A2: 2008
- AS/NZS 1716:2012
- IEC 60529:2001 IP65 Rated

*Estimated battery life by filter: VP3 >11.5hr | VA1P3 >9.5hr | VABE1P3 >8.5hr

- Key markets:
 - Asbestos removal
 - Silica dust
 - Agricultural spraying
 - Paint spraying
 - Chemical industry
 - Pharmaceutical industry
- AS/NZS 1716:2012 Filters
 - VP3 Particulate STS40350
 - VA1P3 Organic Vapour Particulate – STS40250
 - VABE1P3 STS40251
- Sizes:
 - Medium STS40470
 - Large STS40471









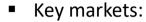


A CLOSER LOOK AT THE SYNC11

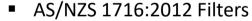


*Estimated battery life by filter: VP3 >14hr | VA1P3 >11hr | VABE1P3 >11hr

- EN 12942: 1998 + A2: 2008
- AS/NZS 1716:2012
- IEC 60529:2001 IP63 Rated



- Asbestos removal (class B)
- Agricultural spraying
- Surface preparation
- Paint spraying
- Chemical industry
- Forensics clean up
- Post fire clean up



- VP3 Particulate STS40350
- VA1P3 Organic Vapour Particulate – STS40250
- VABE1P3 STS40251
- Sizes:

Universal - STS40450











BATTERY & FILTER INDICATORS

Battery Life Indicator

LED flashes to inform the battery condition.

Battery Life Indicator Patterns (2LEDs)	State	Remaining Voltage
	Full charge	At least 8.0 V
i		7.9 - 7.4 V
☀ ☀	Low charge	7.3 - 7.0 V
	Low charge	Less than 6.9 V
Alternately lights	The fan is locked.	



Filter Replacement Indicator

LED flashes when it is time to replace the filter.







Sync@9

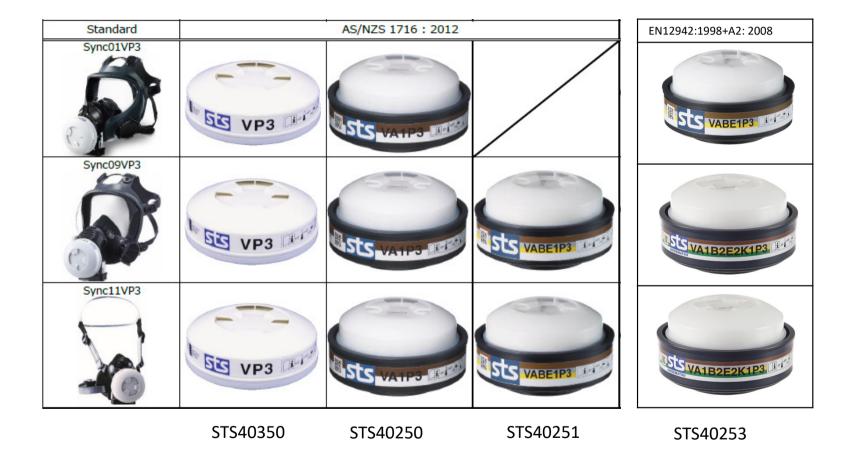
Sync11

Sync Ø1



■: Light - : Flashing : No light

FILTER SUMMARY





PART NUMBERS

pH7 item code	Description	UoM	Notes
STS40400	SYNC01VP3 -M	Set	Includes: mask, motor, VP3 filters, battery, charger, mask covers, flow indicator, storage box
STS40401	SYNC01VP3 -L	Set	Includes: mask, motor, VP3 filters, battery, charger, mask covers, flow indicator, storage box
STS40470	SYNC09VP3 –M	Set	Includes: mask, motor, VP3 filters, battery, charger, mask covers, flow indicator, storage box
STS40471	SYNC09VP3 -L	Set	Includes: mask, motor, VP3 filters, battery, charger, mask covers, flow indicator, storage box
STS40450	SYNCH11VP3 -M/L	Set	Includes: mask, motor, VP3 filters, battery, charger, mask covers, flow indicator, storage box
STS40350	VP3	Each	P3 particulate filter 10/box, 100/ctn
STS40250	VA1P3	Each	Organic Vapour and gases + Particulates – 20/ctn
STS40251	VABE1P3	Each	Organic Vapour, Inorganic gases and vapours ,sulphur dioxide and other acid gases, particulates – 20/ctn
STS40253	VA1B2E2K1P3	Each	This "multigas" filter has passed the EN standards only 20/ctn

Note: A full list of spare parts is available on request





