



Sync01VP3 Power Air Purifying Respirator

PRODUCT DESCRIPTION

Breath responsive PAPR with full face mask integrated with a fan unit making it compact, economical and light, but with higher protection. The Sync01VP3 compact design with no hoses or cables to get tangled or snagged makes it easy and comfortable to wear.

APPLICATION

Sync01VP3 Powered Air Purifying Respirator can ONLY be used with VP3, VA1P3, and VABE1P3 filters. Please refer to the "compatible filters" section for further information. The Sync01VP3 is designed for use to filter contaminants from the air where oxygen levels are >19.5%.

KEY FEATURES

Easy Breathing	Breath-responsive PAPR provides clean filtered air by a fan to take the effort out of breathing
Long life and light battery	Battery and fan unit only works when you inhale, meaning a lighter long-lasting battery can be used
High Protection Factor	With positive pressure maintained in the mask, the PAPR offer a protection factor of 1000 when properly fitted and used
Codeless	No cords or cables to get snagged or tangled
Switchless	Automatic on/off function
LED Indicators	Two indicators for battery life and filter replacement
IP65 certified	When fully assembled the unit can go through a decontamination shower.

TECHNICAL DATA







Material	SBC (Styrene-butadiene copolymers)
Sizes	Medium (M), Large (L)
Visor	Anti-scratch coated polycarbonate
Connector	Screw on connection for filters to the fan unit
Weight	Approx. 755g (M) or 770g (L) (without filters)
Approvals	EN12942:1998 +A2:2008 TM3 P R SL IEC 60529:2001 IP65 rated



PARTS LIST

Product Name		Item No.	Packing Unit
Sync01VP3 Complete Set – Medium		STS40400	1pc / pack
Sync01VP3 Complete Set – Large		STS40401	1pc / pack
Facepiece “FP-E01” (Includes inner mask and head harness)	M	STS41731	1pc / pack
	L	STS41732	
Facepiece (Excludes inner mask and head harness)	M	STS40500	1pc / pack
	L	STS40501	
Fan Unit “FU-E01”		STS41730	1pc / pack
Exhalation Valve		STS5000	5pcs / pack
Exhalation Valve Cover		STS41474	1pc / pack
Inhalation Valve		STS03127	5pcs / pack
Inner Mask Valve		STS50122	5pcs / pack
Inner Mask		STS41114	1pc / pack
Drain Valve		STS50008	5pcs / pack
Head Harness		STS41401	1pc / pack
Gasket Fan Unit-Facepiece		STS03123	10 pcs / pack
Gasket Filter-Fan Unit		STS41482	10 pcs / pack
Guarding Sponge		STS03124	5pcs / pack
Filter Guard		STS50583	1pc / pack
Unit Cover “Knit Cover”		STS02800	10 pcs / pack
Speech Diaphragm Cover		STS03508	10 pcs / pack
Airflow Tester		STS04478	1pc / pack
Battery “BA-L2H-E”		STS41735	1pc / pack
Charger “CH-L2HAC”		STS41734	1pc / pack
Storage Case		STS41194	1pc / pack

COMPATIBLE FILTERS

Type	Product Name	Pic.	Dia (mm)	Height (mm)	Weight (g)	Filter Type	Colour Code	Packing Units	Item No.
Particulate	VP3		96	28	≤32	P R SL *1		10 pcs / box	STS40350
Combined Filters	VA1P3		110	62	≤ 165	A1 P R SL *1		20 pcs / box	STS40250
	VABE1P3		110	65	≤ 205	A1 B1 E1 P R SL *1		20 pcs / box	STS40251

*1 R indicates that particulate filter part of combined filter is re-usable; SL for use with solid and liquid based aerosols only.

MATERIALS

Component	Material
1. Facepiece "FP-E01" Face Blank	SBC (Styrene-butadiene copolymers)
Visor	Polycarbonate
Speech diaphragm	ABS (Acrylonitrile butadiene styrene), Teflon, SUS
Exhalation Valve	Silicone Rubber
Exhalation Valve Cover	PBT (Polybutylene terephthalate)
Inner Mask	SBC (Styrene-butadiene copolymers)
Inner Mask Valve	Silicone Rubber
Drain Valve	Silicone Rubber
Head Harness	TPU (Thermoplastic polyurethane), PBT (Polybutylene terephthalate)
2. Fan Unit "FU-E01"	
Inhalation Valve	Silicone Rubber
3. Battery "BA-L2H-E"	
Battery	Lithium-ion battery

FILTER SELECTION

It is important that you select the correct filter to protect you from the hazards that are present. You will need to complete a risk assessment to determine:

1. What hazards are present (Particulates, gases/vapours, oxygen deficiency, or a combination)
2. If the hazard includes gases or vapours you will need to know the type or chemical that is creating these. Check the Label or SDS of the chemicals you're working with.
3. Concentration levels. You may need to contact an Occupational Hygienist to determine this, especially if you're working in confined or enclosed spaces.
4. Use the [STS Filter Selection Guide](#) or speak to a Health and Safety professional to determine the best filter for the job.

FIT TESTING:

Ensuring your respirator is properly fitted to your face is not just best practice, it is a requirement of AS/NZS 1715:2009. There are two main methods of fit testing, qualitative and quantitative. Fit testing should be carried out before you use your respirator and repeated at least annually or if you've had a significant change to your facial features for example, significant weight loss or gain. pH7 offers both qualitative and quantitative fit testing. To enquire call 0800 323 223 or email fittest@ph7.co.nz

The Synch01VP3 is a powered air purifying respiratory that ensures positive pressure inside the mask. However, because the mask is also able to operate at a negative pressure mask if the battery is removed or flat, we recommend you get fit tested.

PRE-USE CHECK:

Before wearing your respiratory it's important that you:

1. Visually inspect the mask and filters for damage including, cracking, discolouration, tearing, deformation.
2. Replace any worn or damaged parts.
3. Complete a negative pressure fit check by donning the respirator, covering the filters with the palms of your hand and inhaling. Check that no air gets in around the face seal. The mask should collapse slightly.
4. Complete a positive pressure fit check by placing the palm of your hand over the exhalation valve and gently exhaling. Check that air doesn't escape from the face seal. The masks should bulge slightly.