STS and CleanAIR Mask and Filter Combinations

Brand	Shigematsu					CleanAIR
Type	Half Masks			Full Face		
Model	TS01	RS01	RS01SD	CF01	FS01	GX02
Image						
Features	Super Light-weight / Built-in fit checker / Single filter design / Drop down harness	Super Light-weight / Twin filter design / Drop down harness / Low maintenance	Premium half mask with speech diaphragm / Twin filter design / Drop down harness	Light-weight full face mask / 6-Point head harness / Twin filter design / Speech diaphragm	Huge field of vision / Aniti-fog /anti-scratch visor / Twin filter design / Speech diaphragm / 6-point harness	Premium full face mask / Speech diaphragm / 3 in 1 mask (can be used as negative pressures, airline and PAPR) / 6-point harness / DIN thread connection
Material	TPE (Thermo Plastic Elastomer)	TPE (Thermo Plastic Elastomer)	Silicone	TPE (Thermo Plastic Elastomer)	TPE (Thermo Plastic Elastomer)	Silicone
Weight	115g	105g	165g	360g	415g	675g
Size	M L	M L	S M L	M L	S M L	S M L
Code	STS40163 STS40164	STS40131 STS40132	STS40165 STS40166 STS40167	STS40102 STS40103	STS40155 STS40156 STS40157	CA-710600S CA-710600M CA-710600L

Filters	Single filter required		Two filters required								CleanAIR Filters with DIN thread fit GX02 single filter			
	YP3R*4	YABEK1P3	P2R	P2RC	YP3R*4	P3R	P3RC	CA-A1	CA-A2	CA-ABEK1	CA-AX	P3	A2	A2P3	ABEK2P3
	STS40354	STS40270	STS40301	STS41521	STS40354	STS40302	STS41522	STS40201	STS40202	STS40203	STS40225	CA-500048	CA-500156	CA-500157	CA-500168

■ Class Type of Particle Filters

Class	Filter Efficiency	Maximum Filter Penetration (%)
P1	Low	20
P2	Medium	6
P3	High	0.05

■ Class Type of Gas Filters (A, B, E and K*1)

Class	Max. Permissible Concentration*2
1	1,000 ppm (0.1 vol.%)
2	5,000 ppm (0.5 vol.%)
3	10,000 ppm (1.0 vol.%)

Filter Type & Colour Code

Colour	Filter Type	Application
Brown	A	Organic gases and vapours (boiling point > 65°C)
Grey	B	Inorganic gases and vapours
Yellow	E	Sulphur dioxide and other acidic gases and vapours
Green	K	Ammonia and organic ammonia derivatives
Brown	AX	Organic gases and vapours (boiling point ≤ 65°C)
White	P	Particles

Notes:
*1 AX filter is not classified
*2 Modifications may be possible due to national regulations
*3 AX filters must be changed after every shift
*4 YP3R filters are high capacity P3 filters

Breath Responsive PAPR

Brand	Shigematsu		
Series	Shigematsu Synchro PAPR		
Model	Sync11VP3	Sync01VP3	Sync09VP3
Image			
Features	Breath-responsive PAPR Half Mask Li-Ion battery with ≥14hr operation Filter change indicator Silicone face piece IP63	Breath-responsive PAPR Full face Li-Ion battery with ≥9hr operation Filter change indicator 6-point harness Speech diaphragm IP65 Switchless / cordless	Breath-responsive PAPR Full-face Li-Ion battery with ≥11.5hr operation Filter change indicator 6-point harness Speech diaphragm & amplifier IP65 Switchless / cordless Anti-fog / anti-scratch visor
Starter Kit	**Kit includes:** Hard storage case, Silicone Half Mask with Integrated fan unit, Li-Ion battery and charger, VP3 Filter, filter guard	**Kit includes:** Hard storage case, Full-Face Mask, removable fan unit, Li-Ion battery and charger, VP3 Filter, filter guard, Visor cover, Air flow tester.	**Kit includes:** Hard storage case, Full-Face Mask, removable fan unit, Li-Ion battery and charger, VP3 Filter, filter guard, Visor cover, Air flow tester.
Weight	450g	755g (M)	740g (M)
Sizes / Code	M/L STS40450	M STS40400 — L STS40401	M STS40470 — L STS40471
Filters			
Filter Model	VP3	VA1P3	VABE1P3 — VA1B2E2K1P3
Codes	STS40350	STS40250	STS40251 — STS40253

Filter Combinations & Certifications	Approved under AS/NZS 1716: 2012	Approved under EN 12942 : 1998+A2 : 2008
Sync01VP3		
Sync11VP3		
Sync09VP3		

Notes:
The AS/NZS 1716:2012 and European EN 12942:1998+A2:2008 test standards for PAPR filters are different. The difference relates to the maximum concentration of contaminents that can be present in the atmosphere. Those filters that only pass the European standard can still be used in New Zealand although only in atmosphere's with <500ppm. Contact pH7, for more information.

CleanAIR PAPR, Filter Combinations, Headtops

Step 1: Select the PAPR unit

	CleanAIR BASIC	CleanAIR AerGO	CleanAIR Chemical 2F	CleanAIR Chemical 2F-EX
PAPR Starter Kit	Incl. battery, charger, P R SL Filter (P3), pre-filter & belt	Incl. battery, charger, P R SL Filters (P3), spark arrestors, pre-filters, filter covers & belt	Incl. battery, charger, & belt (filters not included) New Bluetooth enabled version available	Incl. battery, charger, & belt (filters not included)
Starter Kit Codes	CA-Basic Comfort Belt CA-810000PA CA-Basic Leather Belt CA-810000LA	CA-AerGO Comfort Belt CA-30PAAUS CA-AerGO Leather Belt CA-30LAAUS	Chem 2F Comfort Belt CA-51FCAAUS Chem 2F Decon Belt CA-51FDAAUS Chem 2F BT Comfort Belt CA-51BFCAAUS	Chem 2F Decon Belt, Ex Model CA-51EFCAAUS
Areas of Application	Cost-effective welding, grinding, sanding. Only provides protection from particlates/mists and fumes	Dusty industrial environments including areas with contaminants in the form of gases and vapours. Including welding grinding and surface finishing. Also many spraying applications.	Asbestos removal, welding, chemical industry, medical, pharmaceutical. Has the widest range of available filters and can be easily decontaminated.	Same as the Chemical 2F but with the addition of being able to be worn in a Zone 2 EX environment.
Airflow Adjustment	5 Airflow levels from 160 to 240lpm	4 Airflow levels 160 / 175 / 190 / 210 lpm	Adjustable 120 - 235lpm	Adjustable 120 - 235lpm
Flow Type	Continuous	Continuous	Continuous	Continuous
Battery and Filter Warning	Yes- Audio and Visual	Yes- Audio and Visual	Yes- Audio and Visual	Yes- Audio and Visual
Weight	900g	980g	960g	960g
Noise	61dB	70dB	<62dB	<62dB
Dimensions (mm)	160/160/100	235/126/65	240/110/120	240/110/120
Operating time[1]	8-10 hours	<10hours (Standard battery) / <20hours (heavy duty battery)	<10hours (Standard battery) / <20hours (heavy duty battery)	<10 Hours
Ingress protection	N/A	IP41	IP64/IP65/IP68[2]	IP64/IP65/IP68[2]

Step 2 - Select Available Filters

	CA-Basic Filters			CA-AerGO Filters						CA-Chemical 2F Filters						
Filters	P R SL (P3)	PreFilter	Odour Filter	P R SL (P3)	PreFilter	Odour Filter	A1PRSL	A1B1E1P3	Sark Arrestor Set	P3	A2	A2P3	ABEK2P3	A3AXP3	PreFilters + Holder	Pre-filter Disks
	CA-800010/2	CA-810015	CA-810020	CA-300010/2	CA-300015	CA-300025	CA-300357	CA-300364	CA-300030	CA-500048 Each (2 required for Chem 2F)	CA-500156 Each (2 required for Chem 2F)	CA-500157 Each (2 required for Chem 2F)	CA-500168 Each (2 required for Chem 2F)	CA-500170 Each (2 required of Chem 2F)	CA-500110 Pack (1 holder /10 disks)	CA-500110/50
	Pack (2)	Pack (10)	Pack (10)	Pair	Pack (10)	Pack (10)	Pair	Pair	2+2+2							Pack (50)

Step 3 - Select the hose connection (all hoses are compatible with all PAPR units)

	QuickLOCK Plastic Hose		QuickLOCK Rubber Hose				
Hose Connection	Standard CA-710060	Extended CA-710060L	Standard CA-710086	Extended CA-710086L	Rubber 90° CA-700086R	Rubber 90° Extended CA-700086RL	Plastic Hose For Mask CA-700060

Step 4 - Select headtop

	Light Hoods				Hardhat with Visor			Protective Shields			Welding Helmets			Full Face Mask		
Model	CA-1 Lite	CA-1	CA-2	CA-10	CA-4	CA-4 Plus	CA-40G	UniMASK[3] Single Strap	UniMASK[3] 5-Point Harness	OmniraAIR	OptoMAX	Verus	Omnira Combi AIR	GX02 (S/M/L)		
Code	CA-720101	CA-720102	CA-720202	CA-721002	CA-710401Y	CA-710400Y	CA-704100	CA-72039201	CA-72039251	CA-703100	CA-704441600	CA-703001	CA-703201	CA-710600S	CA-710600M	CA-710600L

Notes:
1. Operating time is based on new battery and partculate filter. Operating times will vary depending on the combination of filters, headtops and age of battery.
2. IP64 when switched on / IP65 when on and combined with set of spark arrestors and prefilter holders / IP65 when switched off with plug inputs and output.
3. UniMASK is available in two face seal materials, padded grey or neoprene. It's also available with a choice of visors including Toric Polycarbonate, Cylindrical Polycarbonate or Cylindrical Cellulose Propionate (chemically resistant).

CleanAIR Headtop, Airline and Hose Combinations

Brand	CleanAIR														
Headtops	Light Hoods				Hardhat with Visor			Protective Shields			Welding Helmets			Full Face Mask		
Image																
Model	CA-1 Lite	CA-1	CA-2	CA-10	CA-4	CA-4 Plus	CA-40G	UniMASK[3] Single Strap	UniMASK[3] 5-Point Harness	OmniraAIR	OptoMAX	Verus	Omnira Combi AIR	GX02 (S)	GX02 (M)	GX02 (L)
Code	CA-720101	CA-720102	CA-720202	CA-721002	CA-710401Y	CA-710400Y	CA-704100	CA-72039201	CA-72039251	CA-703100	CA-704441600	CA-703001	CA-703201	CA-710600S	CA-710600M	CA-710600L

Hose Connection — QuickLOCK Hose Connection below hit all headtops above / Hoses with DIN thread fit GX02 Mask

	QuickLOCK Plastic Hose		QuickLOCK Rubber Hose		CleanAIR Pressure for Mask Starter Kit includes the regulator, Decon belt, hose connection to twin thred filter. P3 twin thread filer.[1]
	Standard CA-710060	Extended CA-710060L	Standard CA-710086	Extended CA-710086L	Pressure for Mask CA-650000PD

Regulator — CleanAIR Flow Master Starter Kit includes the regulator (pictured) and comfortbelt.

Flow Master CA-670000

Airline hoses

| 10m Coil Hose CA-610046 | 10m Hose CA-610030 | 25m Hose CA-610038 | 50m Hose CA-610039 | 10m Antistatic CA-610031 | 25m Antistatic CA-610033 | 50m Antistatic CA-610034 |

Conditioner

CleanAIR Conditioner CA-610050

CleanAIR Conditioner Replacement Filter CA-610010

Notes:
1. Twin Filters are available in P3 and A2P3.