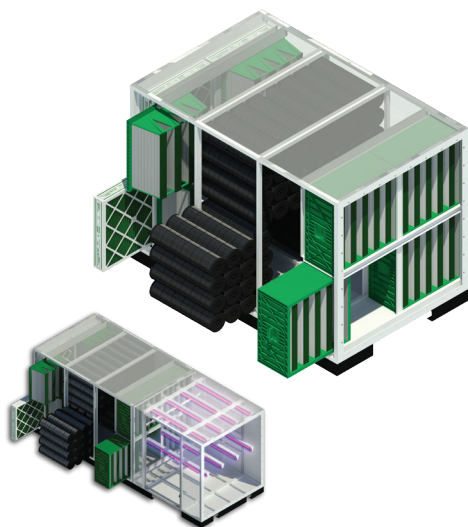


FH-GFCH: 4-Stage Filtration



Advantages

4-stage filtration:

Prefilter, Fine filter, Carbon, HEPA. Removing:

- Viruses, bacteria.
- PM2.5, PM1.
- Harmful gases (VOC, Formaldehyde, SO₂...)

Application:

Dusty environments and large indoor premises such as pharmaceutical facilities, food factories, heavy industry, paper mills, welding workshops, timber facilities, bakeries, packing production, printing facilities, stables, processing industry, supermarkets and other specialist applications such as upgrading of cleanroom environments and other classified assembly environments.

MODEL: 4-stage filtration	Dimensions (WxHxL*) (mm)	Air flow** /Pressure drop (m³/h/Pa)	Air purification area*** (m²)	G4 44/46 mm		Fine 292/380mm		Med CB-C 600mm	HEPA 292mm	
				24"x12"	24"x24"	24"x12"	24"x24"		24"x12"	24"x24"
FH-GFCH-1005-SS430-UV*s	620x410x3220	1700/570	121	1		1		8	1	
FH-GFCH-0510-SS430-UV*s	310x720x3220	1700/570	121	1		1		8	1	
FH-GFCH-1010-SS430-UV*s	620x720x3220	3400/570	243		1		1	16		1
FH-GFCH-1510-SS430-UV*s	930x720x3220	5100/570	364	1	1	1	1	24	1	1
FH-GFCH-2010-SS430-UV*s	1240x720x3220	6800/570	486		2		2	32		2
FH-GFCH-1020-SS430-UV*s	620x1340x3220	6800/570	486		2		2	32		2
FH-GFCH-1520-SS430-UV*s	930x1340x3220	10200/570	729	2	2	2	2	48	2	2
FH-GFCH-2020-SS430-UV*s	1240x1340x3220	13600/570	971		4		4	64		4
FH-GFCH-2520-SS430-UV*s	1550x1340x3220	17000/570	1214	2	4	2	4	80	2	4
FH-GFCH-3020-SS430-UV*s	1860x1340x3220	20400/570	1457		6		6	112		6
FH-GFCH-2030-SS430-UV*s	1240x1960x3220	20400/570	1457		6		6	112		6
FH-GFCH-2530-SS430-UV*s	1550x1960x3220	25500/570	1821	3	6	3	6	136	3	6
FH-GFCH-3030-SS430-UV*s	1860x1960x3220	30600/570	2186		9		9	114		9

Note: Machine length and the pressure drop in table are calculated when using Carbon CamCarb CG 600, if using VG filter => pressure drop is 541.

* If Air Purifier doesn't use UV light, the length of machine will be subtracted 1400mm.

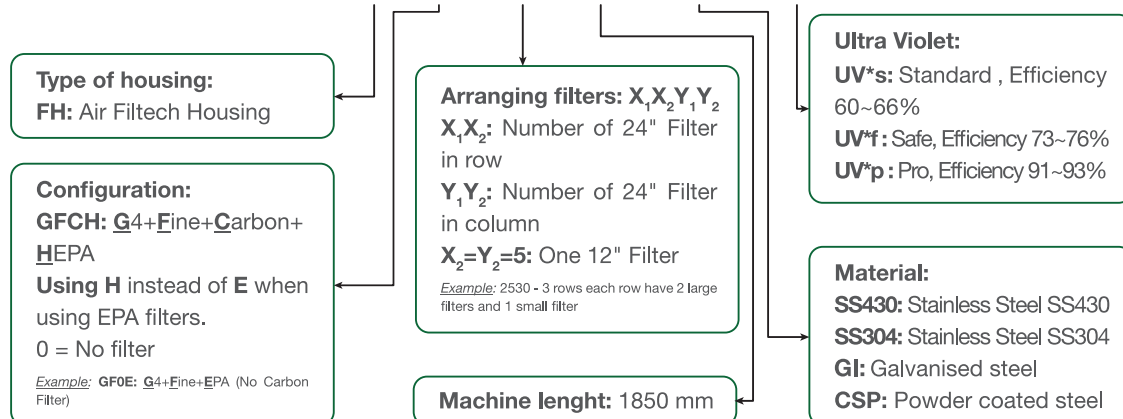
** Air flow: calculating with initial pressure drop.

*** Room area: calculating with Air Change = 5 times/hour and the room height is 2.8m.

If the clean level is higher, ACH can be higher and maybe up to 20-30 times/hour in cleanroom. Therefore the room area is lower.

MODEL:

FH-GFCH-2530-D1850-SS430-UV*s (f,p)



Example: FH-GFCH-2530-L1850-SS430 : Air Filtech SafeAir Purifier is equipped G4+Fine+Carbon+HEPA
Each filter layers has 9 filters arranged in 3 rows, 2 large filters and 1 small filter. Machine length: is 1850mm. Material: SS430.



FH-GF0H: 3-Stage Filtration

MODEL: 3-stage filtration	Dimensions (WxHxL*) (mm)	Air flow** /Pressure drop (m³/h/Pa)	Air purification area*** (m²)	G4 44/46 mm		Fine Filter 600mm		HEPA 292mm	
				24"x12"	24"x24"	24"x12"	24"x24"	24"x12"	24"x24"
FH-GF0H-1005-SS430-UV*s	620x410x2800	1700/485	121	1		1		1	
FH-GF0H-0510-SS430-UV*s	310x720x2800	1700/485	121	1		1		1	
FH-GF0H-1010-SS430-UV*s	620x720x2800	3400/485	243		1		1		1
FH-GF0H-1510-SS430-UV*s	930x720x2800	5100/485	364	1	1	1	1	1	1
FH-GF0H-2010-SS430-UV*s	1240x720x2800	6800/485	486		2		2		2
FH-GF0H-1020-SS430-UV*s	620x1340x2800	6800/485	486		2		2		2
FH-GF0H-1520-SS430-UV*s	930x1340x2800	10200/485	729	2	2	2	2	2	2
FH-GF0H-2020-SS430-UV*s	1240x1340x2800	13600/485	971		4		4		4
FH-GF0H-2520-SS430-UV*s	1550x1340x2800	17000/485	1214	2	4	2	4	2	4
FH-GF0H-3020-SS430-UV*s	1860x1340x2800	20400/485	1457		6		6		6
FH-GF0H-2030-SS430-UV*s	1240x1960x2800	20400/485	1457		6		6		6
FH-GF0H-2530-SS430-UV*s	1550x1960x2800	25500/485	1821	3	6	3	6	3	6
FH-GF0H-3030-SS430-UV*s	1860x1960x2800	30600/485	2186		9		9		9

Note: If using Compact filter F292mm => D(F292) = D(F600) - 230 and the pressure drop is 395 Pa. If using bag filter 370mm => D(F370) = D(F600) - 230.
 * If Air Purifier doesn't use UV light, the length of machine will be subtracted 1400mm.

FH-GFC0: 3-Stage Filtration

MODEL: 3-stage filtration	Dimensions (WxHxL*) (mm)	Air flow** /Pressure drop (m³/h/Pa)	Air purification area*** (m²)	G4 44/46 mm		Fine Filter 370mm		Med CB-C 600mm
				24"x12"	24"x24"	24"x12"	24"x24"	
FH-GFC0-1005-SS430-UV*s	620x410x2620	1700/255	121	1		1		8
FH-GFC0-0510-SS430-UV*s	310x720x2620	1700/255	121	1		1		8
FH-GFC0-1010-SS430-UV*s	620x720x2620	3400/255	243		1		1	16
FH-GFC0-1510-SS430-UV*s	930x720x2620	5100/255	364	1	1	1	1	24
FH-GFC0-2010-SS430-UV*s	1240x720x2620	6800/255	486		2		2	32
FH-GFC0-1020-SS430-UV*s	620x1340x2620	6800/255	486		2		2	32
FH-GFC0-1520-SS430-UV*s	930x1340x2620	10200/255	729	2	2	2	2	48
FH-GFC0-2020-SS430-UV*s	1240x1340x2620	13600/255	971		4		4	64
FH-GFC0-2520-SS430-UV*s	1550x1340x2620	17000/255	1214	2	4	2	4	80
FH-GFC0-3020-SS430-UV*s	1860x1340x2620	20400/255	1457		6		6	96
FH-GFC0-2030-SS430-UV*s	1240x1960x2620	20400/255	1457		6		6	96
FH-GFC0-2530-SS430-UV*s	1550x1960x2620	25500/255	1821	3	6	3	6	120
FH-GFC0-3030-SS430-UV*s	1860x1960x2620	30600/255	2186		9		9	144

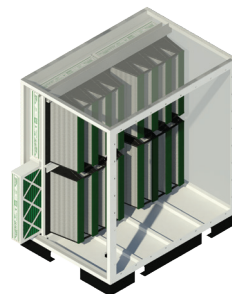
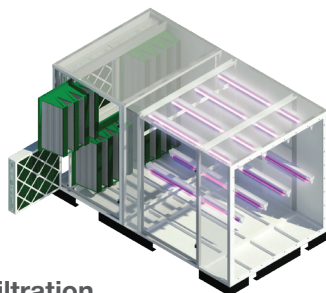
Note: If using F7 filter 95mm => the length of machine will be subtracted 270mm: D(F95) = D(F370) - 270.
 * If Air Purifier doesn't use UV light, the length of machine will be subtracted 1400mm.

FH-GFC0: 3-Stage Filtration

MODEL: 3-stage filtration	Dimensions (WxHxL*) (mm)	Air flow** /Pressure drop (m³/h/Pa)	Air purification area*** (m²)	G4 44/46 mm		Fine Filter 370mm		VG 440
				24"x12"	24"x24"	24"x12"	24"x24"	
FH-GFC0-1005-SS430-UV*s	620x410x2460	1700/255	121	1		1		8
FH-GFC0-0510-SS430-UV*s	310x720x2460	1700/255	121	1		1		8
FH-GFC0-1010-SS430-UV*s	620x720x2460	3400/255	243		1		1	16
FH-GFC0-1510-SS430-UV*s	930x720x2460	5100//255	364	1	1	1	1	24
FH-GFC0-2010-SS430-UV*s	1240x720x2460	6800//255	486		2		2	32
FH-GFC0-1020-SS430-UV*s	620x1340x2460	6800//255	486		2		2	32
FH-GFC0-1520-SS430-UV*s	930x1340x2460	10200/255	729	2	2	2	2	48
FH-GFC0-2020-SS430-UV*s	1240x1340x2460	13600/255	971		4		4	64
FH-GFC0-2520-SS430-UV*s	1550x1340x2460	17000/255	1214	2	4	2	4	80
FH-GFC0-3020-SS430-UV*s	1860x1340x2460	20400/255	1457		6		6	96
FH-GFC0-2030-SS430-UV*s	1240x1960x2460	20400/255	1457		6		6	96
FH-GFC0-2530-SS430-UV*s	1550x1960x2460	25500/255	1821	3	6	3	6	120
FH-GFC0-3030-SS430-UV*s	1860x1960x2460	30600/255	2186		9		9	144

Note: If using F7 filter 95mm => the length of machine will be subtracted 270mm: D(F95) = D(F370) -270.

* If Air Purifier doesn't use UV light, the length of machine will be subtracted 1400mm.



FH-GF00: 2-Stage Filtration

MODEL: 2-stage filtration	Dimensions (WxHxL*) (mm)	Air flow** /Pressure drop (m³/h/Pa)	Air purification area*** (m²)	G4 44/46 mm		Fine Filter 600mm	
				24"x12"	24"x24"	24"x12"	24"x24"
FH-GF00-1005-SS430-UV*s	600x400x2150	1700/255	121	1		1	
FH-GF00-0510-SS430-UV*s	300x700x2150	1700/255	121	1		1	
FH-GF00-1010-SS430-UV*s	600x700x2150	3400/255	243		1		1
FH-GF00-1510-SS430-UV*s	900x700x2150	5100//255	364	1	1	1	1
FH-GF00-2010-SS430-UV*s	1200x700x2150	6800//255	486		2		2
FH-GF00-1020-SS430-UV*s	600x1300x2150	6800//255	486		2		2
FH-GF00-1520-SS430-UV*s	900x1300x2150	10200/255	729	2	2	2	2
FH-GF00-2020-SS430-UV*s	1200x1300x2150	13600/255	971		4		4
FH-GF00-2520-SS430-UV*s	1500x1300x2150	17000/255	1214	2	4	2	4
FH-GF00-3020-SS430-UV*s	1800x1300x2150	20400/255	1457		6		6
FH-GF00-2030-SS430-UV*s	1200x1900x2150	20400/255	1457		6		6
FH-GF00-2530-SS430-UV*s	1500x1900x2150	25500/255	1821	3	6	3	6
FH-GF00-3030-SS430-UV*s	1800x1900x2150	30600/255	2186		9		9

Note: If using Fine filter 370mm => the length of machine will be subtracted 200mm: D(F370) = D(F600) -200.

* If Air Purifier doesn't use UV light, the length of machine will be subtracted 1400mm.