



The Public Health and Safety Organization

NSF Product and Service Listings

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<http://info.nsf.org/Certified/Biosafety/Listings.asp?Company=75150&Standard=049&>

NSF/ANSI 49 Class II (Laminar Flow) Biosafety Cabinetry

Cabinet Style

A = Bench Unit With Base or Adjustable Legs Provided

B = Bench Unit Without Base or Adjustable Legs
Provided

C = Console

Window Type

H = Hinged

S = Sliding

F = Fixed

Bench Height

NA = Not Applicable

NP = Not Provided

CBV = Concurrent Balance Value

Due to a change in nomenclature in NSF/ANSI 49 - 2002 "Class II (Laminar Flow) Biosafety Cabinetry," Class II, Type A cabinets are now referred to as Class II, Type A1 and Class II, Types B3 and A/B3 cabinets as Class II, Type A2. Class II, Types B1 and B2 cabinets remain unchanged.

Biosafety cabinet models Listed under NSF/ANSI 49 are approved for use with a power supply of 115V/60Hz, unless otherwise noted. If biosafety cabinets have been approved for use with additional power supplies, the power supply will be indicated in the Official Listing.

Thermo Fisher Scientific

Robert-Bosch-Str. 1

D-63505 Langenselbold

Germany

49 61 813 5277

[Visit this company's website](#)

(<http://www.thermofisher.com>)

Facility : # 2 Suzhou, China

Model Number	Cabinet Type/Style		Inflow Velocity (fpm)	Downflow Velocity (fpm)	CBV (cfm) at Static Pressure (in w.g.)	Cabinet Width ft.	Window Ht/Type in.	Bench Ht Max in.	Acceptable Options
1574[1] [2]	A2	A	100 - 110	58 - 68	N/A	4	10S	36	Armrest I.V. Pole U.V. Light
1579[1] [2]	A2	A	100 - 110	58 - 68	N/A	6	10S	36	Armrest I.V. Pole U.V. Light
1584[1] [3]	A2	A	100 - 110	58 - 68	N/A	4	10S	36	Armrest I.V. Pole U.V. Light
1589[1] [3]	A2	A	100 - 110	58 - 68	N/A	6	10S	36	Armrest I.V. Pole U.V. Light

- [1] Inflow nominal set point of 105 fpm was established with a direct airflow reading instrument. This nominal set-point was confirmed using the manufacturer's recommended alternate method with thermal anemometer in a constricted (3 inch high) access opening (consult manufacturer for appropriate correction factor, if applicable), without adjusting cabinet airflow balance. Downflow nominal set-point of 63 fpm was established with I.V. Pole and U.V. Light removed. This cabinet model was Certified to NSF/ANSI 49-2020. Certified for use with power supplies of 230V/50Hz and 230V/60Hz. Removable armrests with padded and non-padded designs in addition to dished and flat work surface designs are approved options for this cabinet model.
- [2] This model includes stainless steel interior cabinet walls with adjustable height stand. Model can be provided with the standard Type I power cord and internal receptacles (China electrical configuration with YY certification) and identified as 1574, and 1579; with Type GP power cord and internal receptacles (China electrical configuration without YY certification) and identified as 1574-GP, 1579-GP; with Type F power cord and internal receptacles (Korea electrical configuration) and identified as 1574-F, 1579-F; with Type G power cord and internal receptacles (UK electrical configuration) and identified as 1574-G, 1579-G; with Type M power cord and internal receptacles (India electrical configuration) and identified as 1574-M, 1579-M; or with Type C fixed height stand with castors and identified as 1574-C, 1579-C, 1574-FC, 1579-FC, 1574-GC, 1579-GC, 1574-MC, 1579-MC, 1574-C-GP, 1579-C-GP. 1546 and 1548 are the same models as 1574 and 1579 without stands.
- [3] This model includes coated steel (SmartCoat) interior cabinet walls with adjustable height stand. Model can be provided with the standard Type I power cord and internal receptacles (China electrical configuration with YY certification) and identified as 1584, 1589; with Type F power cord and internal receptacles (Korea electrical configuration) and identified as 1584-F, 1589-F; with Type G power cord and internal

receptacles (UK electrical configuration) and identified as 1584-G, 1589-G; with Type M power cord and internal receptacles (India electrical configuration) and identified as 1584-M, 1589-M; or with Type C fixed height stand with castors and identified as 1584-C, 1589-C, 1584-FC, 1589-FC, 1584-GC, 1589-GC, 1584-MC, 1589-MC. 1556 and 1558 are the same models as 1584 and 1589 without stands.

Facility : Marietta, OH

Model Number	Cabinet Type/Style		Inflow Velocity (fpm)	Downflow Velocity (fpm)	CBV (cfm) at Static Pressure (in w.g.)	Cabinet Width ft.	Window Ht/Type in.	Bench Ht Max in.	Acceptable Options
1305[1] [2]	A2	A	100 - 110	58 - 68	N/A	4	8S	36	Armrest I.V. Pole U.V. Light
1306[1] [2] [3]	A2	A	100 - 110	58 - 58	N/A	4	8S	36	Armrest I.V. Pole U.V. Light
1307[1] [4]	A2	A	100 - 110	58 - 68	N/A	6	8S	36	Armrest I.V. Pole U.V. Light
1308[1] [3] [4]	A2	A	100 - 110	58 - 68	N/A	6	8S	36	Armrest I.V. Pole U.V. Light
1320[5] [6] [7]	A2	B	100 - 110	58 - 68	N/A	3	10S	36	Armrest I.V. Pole U.V. Light
1321[5] [6] [7]	A2	A	100 - 110	58 - 68	N/A	3	10S	36	Armrest I.V. Pole U.V. Light
1322[5] [6] [7]	A2	B	100 - 110	58 - 68	N/A	3	10S	36	Armrest I.V. Pole U.V. Light
1323[5] [6] [7]	A2	A	100 - 110	58 - 68	N/A	3	10S	36	Armrest U.V. Light I.V. Pole
1325[1] [2]	A2	A	100 - 110	58 - 68	N/A	4	8S	36	Armrest I.V. Pole U.V. Light
1326[1] [2] [3]	A2	A	100 - 110	58 - 68	N/A	4	8S	36	Armrest I.V. Pole U.V. Light

1327[1] [4]	A2	A	100 - 110	58 - 68	N/A	6	8S	36	Armrest I.V. Pole U.V. Light
1328[1] [3] [4]	A2	A	100 - 110	58 - 68	N/A	6	8S	36	Armrest I.V. Pole U.V. Light
1330[3] [5] [6] [7]	A2	B	100 - 110	58 - 68	N/A	3	10S	36	Armrest I.V. Pole U.V. Light
1331[3] [5] [6] [7]	A2	A	100 - 110	58 - 68	N/A	3	10S	36	Armrest I.V. Pole U.V. Light
1332[3] [5] [6] [7]	A2	B	100 - 110	58 - 68	N/A	3	10S	36	Armrest I.V. Pole U.V. Light
1333[3] [5] [6] [7]	A2	A	100 - 110	58 - 68	N/A	3	10S	36	Armrest I.V. Pole U.V. Light
1335[1] [2]	A2	A	100 - 110	58 - 68	N/A	4	8S	36	Armrest I.V. Pole U.V. Light
1336[1] [2] [3]	A2	A	100 - 110	58 - 68	N/A	4	8S	36	Armrest I.V. Pole U.V. Light
1337[1] [4]	A2	A	100 - 110	58 - 68	N/A	6	8S	36	Armrest I.V. Pole U.V. Light
1338[1] [3] [4]	A2	A	100 - 110	58 - 68	N/A	6	8S	36	Armrest I.V. Pole U.V. Light
1339[5] [6] [7]	A2	B	100 - 110	58 - 68	N/A	3	8S	36	Armrest I.V. Pole U.V. Light
1340[5] [6] [7]	A2	A	100 - 110	58 - 68	N/A	3	8S	36	Armrest I.V. Pole U.V. Light
1341[5] [6] [7]	A2	B	100 - 110	58 - 68	N/A	3	8S	36	Armrest I.V. Pole U.V. Light
1342[5] [6] [7]	A2	A	100 - 110	58 - 68	N/A	3	8S	36	Armrest I.V. Pole U.V. Light
1345[2] [8]	A2	A	100 - 110	58 - 68	N/A	4	10S	36	Armrest I.V. Pole U.V. Light

1346[2] [8] [9]	A2	A	100 - 110	58 - 68	N/A	4	10S	36	Armrest I.V. Pole U.V. Light
1347[4] [8]	A2	A	100 - 110	58 - 68	N/A	6	10S	36	Armrest I.V. Pole U.V. Light
1348[4] [8] [9]	A2	A	100 - 110	58 - 68	N/A	6	10S	36	Armrest I.V. Pole U.V. Light
1350[5] [6] [10]	A2	B	100 - 110	58 - 68	N/A	5	8S	36	Armrest I.V. Pole U.V. Light
1351[5] [6] [10]	A2	A	100 - 110	58 - 68	N/A	5	8S	36	Armrest I.V. Pole U.V. Light
1352[5] [6] [10]	A2	B	100 - 110	58 - 68	N/A	5	8S	36	Armrest I.V. Pole U.V. Light
1353[5] [6] [10]	A2	A	100 - 110	58 - 68	N/A	5	8S	36	Armrest I.V. Pole U.V. Light
1354[2] [11]	A2	A	100 - 110	58 - 68	N/A	4	10S	36	Armrest I.V. Pole U.V. Light
1355[2] [8]	A2	A	100 - 110	58 - 68	N/A	4	10S	36	Armrest I.V. Pole U.V. Light
1356[2] [8] [9]	A2	A	100 - 110	58 - 68	N/A	4	10S	36	Armrest I.V. Pole U.V. Light
1357[4] [8]	A2	A	100 - 110	58 - 68	N/A	6	10S	36	Armrest I.V. Pole U.V. Light
1358[4] [8] [9]	A2	A	100 - 110	58 - 68	N/A	6	10S	36	Armrest I.V. Pole U.V. Light
1359[4] [8]	A2	A	100 - 110	58 - 68	N/A	6	10S	36	Armrest I.V. Pole U.V. Light
1366[3] [5] [6] [10]	A2	B	100 - 110	58 - 68	N/A	5	8S	36	Armrest I.V. Pole U.V. Light
1367[3] [5] [6] [10]	A2	A	100 - 110	58 - 68	N/A	5	8S	36	Armrest U.V. Light I.V. Pole

1368[5] [6] [10]	A2	B	100 - 110	58 - 68	N/A	5	10S	36	Armrest I.V. Pole U.V. Light
1369[5] [6] [10]	A2	A	100 - 110	58 - 68	N/A	5	10S	36	Armrest U.V. Light I.V. Pole
1370[5] [6] [10]	A2	B	100 - 110	58 - 68	N/A	5	10S	36	Armrest I.V. Pole U.V. Light
1371[5] [6] [10]	A2	A	100 - 110	58 - 68	N/A	5	10S	36	Armrest I.V. Pole U.V. Light
1372[3] [5] [6] [10]	A2	B	100 - 110	58 - 68	N/A	5	8S	36	Armrest U.V. Light I.V. Pole
1373[3] [5] [6] [10]	A2	A	100 - 110	58 - 68	N/A	5	8S	36	Armrest I.V. Pole U.V. Light
1375[2] [8]	A2	A	100 - 110	58 - 68	N/A	4	10S	36	Armrest I.V. Pole U.V. Light
1376[2] [8] [9]	A2	A	100 - 110	58 - 68	N/A	4	10S	36	Armrest I.V. Pole U.V. Light
1377[4] [8]	A2	A	100 - 110	58 - 68	N/A	6	10S	36	Armrest I.V. Pole U.V. Light
1378[4] [8] [9]	A2	A	100 - 110	58 - 68	N/A	6	10S	36	Armrest I.V. Pole U.V. Light
1380[3] [5] [6] [10]	A2	B	100 - 110	58 - 68	N/A	5	10S	36	Armrest I.V. Pole U.V. Light
1381[3] [5] [6] [10]	A2	A	100 - 110	58 - 68	N/A	5	10S	36	Armrest I.V. Pole U.V. Light
1382[3] [5] [6] [10]	A2	B	100 - 110	58 - 68	N/A	5	10S	36	Armrest I.V. Pole U.V. Light
1383[3] [5] [6] [10]	A2	A	100 - 110	58 - 68	N/A	5	10S	36	Armrest I.V. Pole U.V. Light
1384[2] [11]	A2	A	100 - 110	58 - 68	N/A	4	10S	36	Armrest I.V. Pole U.V. Light

1385[2] [8]	A2	A	100 - 110	58 - 68	N/A	4	10S	36	Armrest I.V. Pole U.V. Light
1386[2] [8] [9]	A2	A	100 - 110	58 - 68	N/A	4	10S	36	Armrest I.V. Pole U.V. Light
1387[4] [8]	A2	A	100 - 110	58 - 68	N/A	6	10S	36	Armrest I.V. Pole U.V. Light
1388[4] [8] [9]	A2	A	100 - 110	58 - 68	N/A	6	10S	36	Armrest I.V. Pole U.V. Light
1389[4] [11]	A2	A	100 - 110	58 - 68	N/A	6	10S	36	Armrest I.V. Pole U.V. Light
1390[3] [5] [6] [7]	A2	B	100 - 110	58 - 68	N/A	3	8S	36	Armrest I.V. Pole U.V. Light
1391[3] [5] [6] [7]	A2	A	100 - 110	58 - 68	N/A	3	8S	36	Armrest I.V. Pole U.V. Light
1392[3] [5] [6] [7]	A2	B	100 - 110	58 - 68	N/A	3	8S	36	Armrest I.V. Pole U.V. Light
1393[3] [5] [6] [7]	A2	A	100 - 110	58 - 68	N/A	3	8S	36	Armrest I.V. Pole U.V. Light
1395[2] [9] [12]	A2	A	100 - 110	58 - 68	N/A	4	8S	36	Armrest I.V. Pole U.V. Light
1396[1] [2] [3]	A2	A	100 - 110	58 - 68	N/A	4	8S	36	Armrest I.V. Pole U.V. Light
1397[4] [9] [12]	A2	A	100 - 110	58 - 68	N/A	6	8S	36	Armrest I.V. Pole U.V. Light
1398[1] [3] [4]	A2	A	100 - 110	58 - 68	N/A	6	8S	36	Armrest I.V. Pole U.V. Light

[1] Inflow nominal set point of 105 fpm was established with a direct airflow reading instrument. This nominal set-point was confirmed using the manufacturer's recommended alternate method with thermal anemometer in a constricted (3 inch high) access opening (consult manufacturer for appropriate correction factor, if applicable), without

- adjusting cabinet airflow balance. Downflow nominal set-point of 63 fpm was established with I.V. Pole and U.V. Light removed. This cabinet model was Certified to NSF/ANSI 49-2009.
- [2] Beginning April 20, 2020 a new fixed height base stand GT221201 and adjustable height base stand GT221189 along with 4ft cross brace GT221195 were approved for use with all 1300 series models manufactured in Marietta OH. Casters GT221199 is an approved option for both stands.
- [3] Certified for use with power supply of 230V/50Hz and 230V/60Hz.
- [4] Beginning April 20, 2020 a new fixed height base stand GT221201 and adjustable height base stand GT221189 along with 6ft cross brace GT221196 were approved for use with all 1300 series models manufactured in Marietta OH. Casters GT221199 is an approved option for both stands.
- [5] Inflow nominal set point of 105 fpm was established with a direct airflow reading instrument. This nominal set point was confirmed using the manufacturer's alternate recommended method with thermal anemometer in a constricted (3 inch high) access opening (consult manufacturer's operator's manual for appropriate correction factor), without adjusting cabinet airflow balance. Downflow nominal set point was established with I.V.Pole and U.V. Light removed. This cabinet model was Certified to NSF/ANSI 49-2009.
- [6] May be used with alternate, adjustable height electric stand (maximum bench height of 35 inches).
- [7] Beginning April 20, 2020 a new fixed height base stand GT221201 and adjustable height base stand GT221189 along with 3ft cross brace GT221193 were approved for use with all 1300 series models manufactured in Marietta OH. Casters GT221199 is an approved option for both stands.
- [8] Inflow nominal set-point of 105 fpm was established with a direct airflow reading instrument. This nominal set point was confirmed using the manufacturer's recommended alternate method with thermal anemometer in a constricted (3 inch high) access opening (consult manufacturer for appropriate correction factor, if applicable), without adjusting cabinet airflow balance. Downflow nominal set point of 63 fpm was established with I.V. Pole and U.V. Light removed. This cabinet model was Certified to NSF/ANSI 49-2009. Certified for use with power supply of 230V/50Hz and 230V/60Hz.
- [9] Certified for use with power supply of 220 V / 50 Hz and 220 V / 60 Hz.
- [10] Beginning April 20, 2020 a new fixed height base stand GT221201 and adjustable height base stand GT221189 along with 5ft cross brace GT221197 were approved for use with all 1300 series models manufactured in Marietta OH. Casters GT221199 is an approved option for both stands.
- [11] Inflow nominal set point of 105 fpm was established with a direct airflow reading instrument. This nominal set-point was confirmed using the manufacturer's recommended alternate method with thermal anemometer in a constricted (3 inch high) access opening (consult manufacturer for appropriate correction factor, if applicable), without adjusting cabinet airflow balance. Downflow nominal set-point of 63 fpm was established with I.V. Pole and U.V. Light removed. This cabinet model was Certified to NSF/ANSI 49-2009. Certified for use with power supply of 220V/50Hz.
- [12] Beginning with serial number 188122-1 and 188108-1 for models 1395 and 1397, respectively. Inflow nominal set-point of 105 fpm was established with a direct airflow

reading instrument. This nominal set point was confirmed using the manufacturer's recommended alternate method with thermal anemometer in a constricted (3 inch high) access opening (consult manufacturer for appropriate correction factor, if applicable), without adjusting cabinet airflow balance. Downflow nominal set point of 63 fpm was established with I.V. Pole and U.V. Light removed. This cabinet model was Certified to NSF/ANSI 49-2009.

Facility : Guangzhou, China

Model Number	Cabinet Type/Style		Inflow Velocity (fpm)	Downflow Velocity (fpm)	CBV (cfm) at Static Pressure (in w.g.)	Cabinet Width ft.	Window Ht/Type in.	Bench Ht Max in.	Acceptable Options
1574[1] [2]	A2	A	100 - 110	58 - 68	N/A	4	10S	36	Armrest I.V. Pole U.V. Light
1584[1] [3]	A2	A	100 - 110	58 - 68	N/A	4	10S	36	Armrest I.V. Pole U.V. Light
1579[1] [2]	A2	A	100 - 110	58 - 68	N/A	6	10S	36	Armrest I.V. Pole U.V. Light
1589[1] [3]	A2	A	100 - 110	58 - 68	N/A	6	10S	36	Armrest I.V. Pole U.V. Light

[1] Inflow nominal set point of 105 fpm was established with a direct airflow reading instrument. This nominal set-point was confirmed using the manufacturer's recommended alternate method with thermal anemometer in a constricted (3 inch high) access opening (consult manufacturer for appropriate correction factor, if applicable), without adjusting cabinet airflow balance. Downflow nominal set-point of 63 fpm was established with I.V. Pole and U.V. Light removed. This cabinet model was Certified to NSF/ANSI 49-2020. Certified for use with power supplies of 230V/50Hz and 230V/60Hz. Removable armrests with padded and non-padded designs in addition to dished and flat work surface designs are approved options for this cabinet model.

[2] This model includes stainless steel interior cabinet walls with adjustable height stand. Model can be provided with the standard Type I power cord and internal receptacles (China electrical configuration with YY certification) and identified as 1574, and 1579; with Type GP power cord and internal receptacles (China electrical configuration without YY certification) and identified as 1574-GP, 1579-GP; with Type F power cord and internal receptacles (Korea electrical configuration) and identified as 1574-F, 1579-F; with Type G power cord and internal receptacles (UK electrical configuration) and identified as 1574-G, 1579-G; with Type M power cord and internal receptacles (India

electrical configuration) and identified as 1574-M, 1579-M; or with Type C fixed height stand with castors and identified as 1574-C, 1579-C, 1574-FC, 1579-FC, 1574-GC, 1579-GC, 1574-MC, 1579-MC, 1574-C-GP, 1579-C-GP. 1546 and 1548 are the same models as 1574 and 1579 without stands.

- [3] This model includes coated steel (SmartCoat) interior cabinet walls with adjustable height stand. Model can be provided with the standard Type I power cord and internal receptacles (China electrical configuration with YY certification) and identified as 1584, 1589; with Type F power cord and internal receptacles (Korea electrical configuration) and identified as 1584-F, 1589-F; with Type G power cord and internal receptacles (UK electrical configuration) and identified as 1584-G, 1589-G; with Type M power cord and internal receptacles (India electrical configuration) and identified as 1584-M, 1589-M; or with Type C fixed height stand with castors and identified as 1584-C, 1589-C, 1584-FC, 1589-FC, 1584-GC, 1589-GC, 1584-MC, 1589-MC. 1556 and 1558 are the same models as 1584 and 1589 without stands.

Facility : Langenselbold, Germany

Model Number	Cabinet Type/Style		Inflow Velocity (fpm)	Downflow Velocity (fpm)	CBV (cfm) at Static Pressure (in w.g.)	Cabinet Width ft.	Window Ht/Type in.	Bench Ht Max in.	Acceptable Options
HERAsafe 2030i 1.2[1]	A2	A	100 - 110	58 - 68	N/A	4	10S	36	Armrest I.V. Pole U.V. Light
HERAsafe 2030i 1.8[1]	A2	A	100 - 110	58 - 68	N/A	6	10S	36	Armrest I.V. Pole U.V. Light

- [1] Beginning with serial number 42294669 for the HERAsafe 2030i 1.2 and serial number 42209172 for the HERAsafe 2030i 1.8. Inflow nominal set point of 105 fpm was established with a direct airflow reading instrument. This nominal set point was confirmed using the manufacturer's recommended alternate method with thermal anemometer in a constricted (3 inch high) access opening (consult manufacturer's operator's manual for appropriate correction factor) without adjusting cabinet airflow balance. Downflow nominal set point of 63 fpm was established with I.V. Pole and U.V. Light removed. This cabinet model was Certified with both dished and flat work surfaces and for additional inlet power supplies of 230V/50Hz and 230V/60Hz. This cabinet model was Certified to NSF/ANSI 49-2018. HERAsafe 2030i 1.2 is approved for use with either padded armrests or armrests without padding. HERAsafe 2030i 1.8 is approved for use without armrests, with padded armrests, or with armrests without padding.

[2] Beginning with serial number 40329642. Inflow nominal set-point of 105 fpm was established with a direct airflow reading instrument. This nominal set-point was confirmed using the manufacturer's recommended alternate method with thermal anemometer in a constricted (3 inch high) access opening (consult manufacturer's operator's manual for appropriate correction factor) without adjusting cabinet airflow balance. This cabinet model was Certified with a 3 section work surface. This cabinet model was Certified to NSF/ANSI 49-2009.

Number of matching Manufacturers is 1

Number of matching Products is 78

Processing time was 0 seconds