ABS American BioTech Supply

Laboratory

Refrigerators & Freezers

Refrigeration solutions to meet tomorrow's standards.

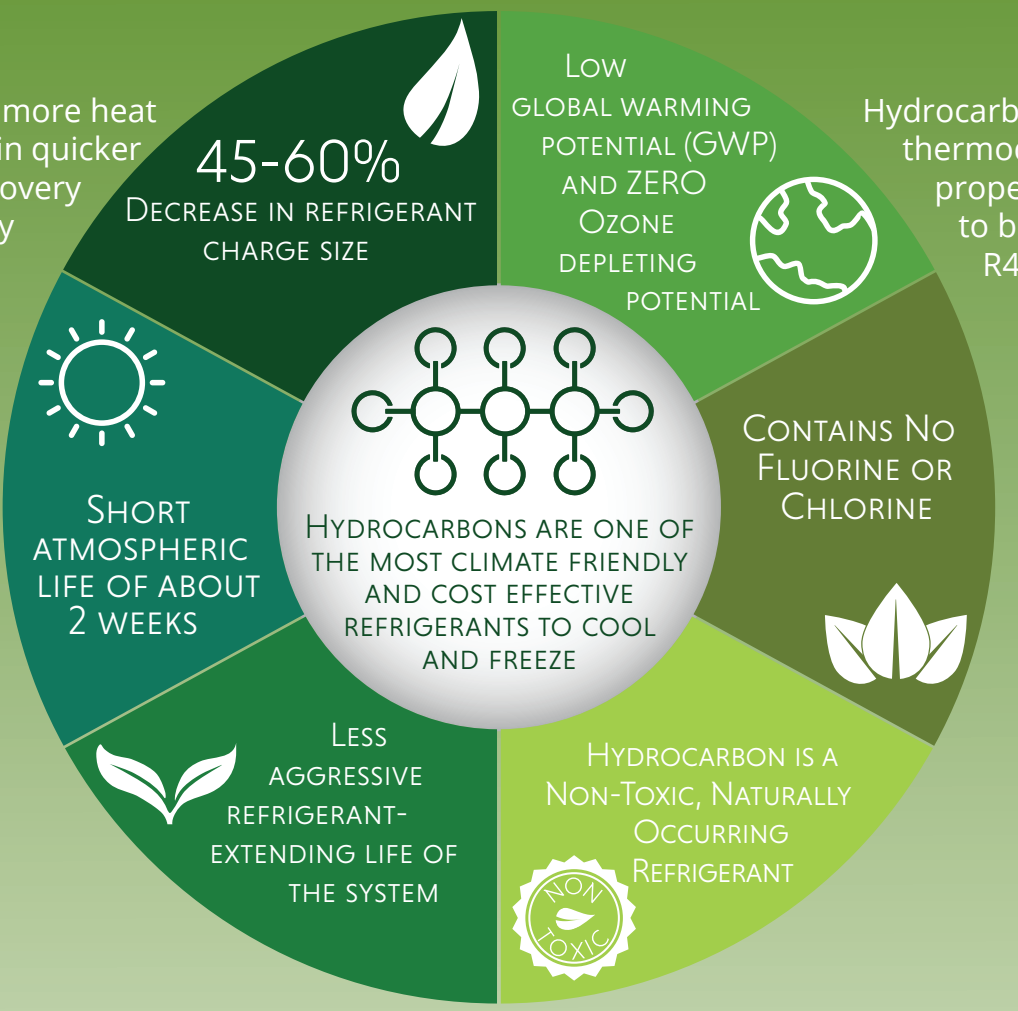


pharmaceutical
laboratory
biotech
clinical trials
analytical testing

Going Green. What does it mean?

The Advantages of Hydrocarbon Refrigerants

HC's can absorb more heat faster, resulting in quicker temperature recovery and lower energy consumption.



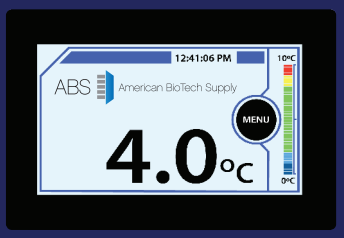
Hydrocarbon refrigerant's thermodynamic properties are superior to both R134a and R404a.

Evolving Technology To Reduce Ozone Depletion and Energy Usage



1 TempLog Premier

- Touchscreen display
- Digital microprocessor
- Digital temperature display
- Audible and visual alarms
- Digital 24-hour temp. chart
- Digital data logging
- USB port for data transfer
- 4-20mA output
- Remote alarm contacts
- Door ajar alarm
- Low battery alarm
- Operation indicator
- Temp. scale bar display
- Sample temperature display

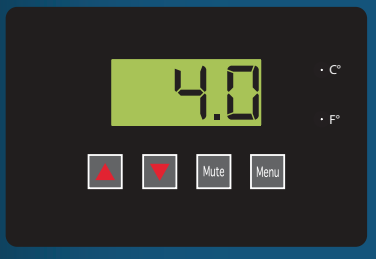


The TempLog Premier Series refrigerators and freezers are purpose-built for scientific and medical applications requiring superior temperature management and state of the art product security and data logging.

2 Premier

- Bi-Color LED display
- Digital microprocessor
- Digital temperature display
- Audible and visual alarms
- Resettable Min/Max
- Remote alarm contacts
- Power failure alarm*
- Sensor error alarm
- Alarm mute w/ ringback*
- Sample temperature display

***Not available on all models* See specs for additional information**



The Premier Series refrigerators and freezers are also purpose-built for critical cold storage applications, but where built-in data logging functionality may not be a necessity.

3 Standard

- Digital temperature display*
- Digital microprocessor*
- Audible and visual alarms*
- Resettable Min/Max*
- Remote alarm contacts*

***Not available on all models* See specs for additional information**



The Standard Series refrigerators and freezers can help meet the demand of scientific and medical applications at budget-easing price points or satisfy any general purpose cold storage needs.



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ABS
-20°C

TempLog Premier Laboratory *Refrigerators*

The TempLog Premier Laboratory Glass and Solid Door Refrigerators are purpose-built for scientific and medical applications. Units feature a digital microprocessor temperature controller allowing for the precise temperature management necessary for critical samples and supplies.

The TempLog Premier touchscreen temperature display and alarm module offers the latest in advanced temperature control and data logging. Industry-leading product security with a monitoring and alarm system that is 100% independent of the temperature controller.

A forced air directional refrigeration system provides superior temperature uniformity and recovery after door openings. An automatic cycle-defrost design prevents product damaging temperature spikes.



ABT-HC-72-TS

Environmentally friendly, natural hydrocarbon (HC) refrigerants which vastly reduce global-warming potential while meeting new EPA/SNAP mandates

Glass Door Model	Ft³	Defrost	Doors	Shelves	W"	D"	H"	RL	H.P.	Amps
ABT-HC-19-TS	19	Cycle	1 Swing Glass	4 Adj.	27 1/8	25 ½	82 5/8	R290	1/3	5.4
ABT-HC-19-TS-LH	19	Cycle	1 Swing Glass (LH)	4 Adj.	27 1/8	25 ½	82 5/8	R290	1/3	5.4
ABT-HC-23-TS	23	Cycle	1 Swing Glass	4 Adj.	27	30 ½	82 5/8	R290	1/3	5.4
ABT-HC-26-TS	26	Cycle	1 Swing Glass	4 Adj.	30	30 ½	82 5/8	R290	1/3	5.4
ABT-HC-47-TS	47	Cycle	2 Slide Glass	8 Adj.	54 1/8	31 ¼	82 5/8	R290	½	8.5
ABT-HC-49-TS	49	Cycle	2 Swing Glass	8 Adj.	54 ¼	31	82 5/8	R290	½	8.5
ABT-HC-69-TS	69	Cycle	3 Slide Glass	12 Adj.	78 ¼	30 ¾	82 5/8	R290	½	9.3
ABT-HC-72-TS	72	Cycle	3 Swing Glass	12 Adj.	78 ¼	31	82 5/8	R290	½	8.5

Specifications are subject to change. ***Height Includes Casters**

- Microprocessor temperature controller
- Adjustable operating temperature range: 1°C to 10°C
- Cycle defrost
- Touchscreen Digital Temperature Display and Alarm Module with battery back-up to support temperature monitoring and alarms
- Password-protected control panel
- Sample simulated digital temperature display; .1° Resolution, adjustable temperature display in Celsius or Fahrenheit
- Active temperature scale bar display
- Resettable 1-point min/max history
- Digital 24-hour temperature chart
- Temperature data logging
- USB port for data transfer and software updates
- Real-time operational display clock
- 4-20mA output
- Electronic troubleshooting guide
- Electronic QR Code to access Owner's Manual & technical support contact Information
- Adjustable alarm volume
- Audible and visual high/low temperature alarms
- Sensor error alarm
- Power failure alarm
- Door ajar alarm
- Low battery alarm



The TempLog Premier Laboratory Refrigerators have a touchscreen temperature display and alarm module offer industry-leading product security. Real-time sample simulated temperatures are constantly displayed, logged and supported by audible and visual alarms, remote alarm contacts, a 4-20mA output and an access port. A USB port is provided for easy data transfer.



ABT-HC-36S-TS

Solid Door Model	Ft³	Defrost	Doors	Shelves	W"	D"	H"	RL	H.P.	Amps
ABT-HC-12S-TS	12	Cycle	1 Swing Solid	3 Adj.	25	29 ¾	65 ¾	R290	1/5	3
ABT-HC-16S-TS	16	Cycle	1 Swing Solid	3 Adj.	25	29 ¾	79	R290	1/5	3
ABT-HC-23S-TS	23	Cycle	1 Swing Solid	4 Adj.	26 7/8	34 ¾	81 ¾	R290	1/5	3
ABT-HC-26S-TS	26	Cycle	1 Swing Solid	4 Adj.	28 3/8	36 ½	81 ¾	R290	1/5	3
ABT-HC-36S-TS	36	Cycle	2 Swing Solid	8 Adj.	39 5/8	34 ¾	81 ¾	R290	¼	4.5
ABT-HC-49S-TS	49	Cycle	2 Swing Solid	8 Adj.	54	34 ¾	81 ¾	R290	¼	4.5
ABT-HC-72S-TS	72	Cycle	3 Swing Solid	12 Adj.	81	34	81 ¾	R290	½	7.5

Specifications are subject to change. ***Height Includes Casters**

- Operation indicator
- Alarm validation (audible, visual, and remote alarm)
- Alarm mute with ring back
- Remote alarm contacts
- Forced draft air circulation
- Keyed door lock
- Magnetic door gasket for positive seal
- Heavy duty door handle
- LED interior lights are safety shielded and switch controlled
- Swivel casters:
  (4") Glass door models
  (3 ½") Solid door models
- Probe access port (3/8")
- ETL Listed (Solid Door Models)
- UL/C-UL listed (Glass Door Models Only)
- Three year parts and labor warranty, plus an additional two year compressor parts warranty
- **NOTE: All products are designed to operate in ambient room temperatures not to exceed 75°F/50% RH (relative humidity). Failure to maintain these conditions may result in operational and/or performance issues**

Premier Laboratory *Refrigerators*

The Premier Laboratory Glass and Solid Door Refrigerators feature a microprocessor temperature controller and display, allowing for precise temperature control, verification and recovery versus mechanical style thermostats. Critical samples and supplies are security backed with an extensive package of audible and visual alarms.

The temperature display and alarm module offers an array of robust security features with a monitoring and alarm system that is 100% independent of a microprocessor temperature controller.

An interior fan driven, forced-draft air circulation system provides excellent temperature uniformity and recovery after door openings.

Environmentally friendly, natural hydrocarbon (HC) refrigerants which vastly reduce global-warming potential while meeting new EPA/SNAP mandates



ABT-HC-47

Glass Door Model	Ft^3	Defrost	Doors	Shelves	W"	D"	H"	RL	H.P.	Amps
ABT-HC-19	19	Cycle	1 Swing Glass	4 Adj.	27 1/8	25 ½	82 5/8	R290	1/3	5.4
ABT-HC-19-LH	19	Cycle	1 Swing Glass (LH)	4 Adj.	27 1/8	25 ½	82 5/8	R290	1/3	5.4
ABT-HC-23	23	Cycle	1 Swing Glass	4 Adj.	27	30 ½	82 5/8	R290	1/3	5.4
ABT-HC-26	26	Cycle	1 Swing Glass	4 Adj.	30	30 ½	82 5/8	R290	1/3	5.4
ABT-HC-33	33	Cycle	2 Slide Glass	8 Adj.	39 ½	30 5/8	82 5/8	R290	½	6.3
ABT-HC-35	35	Cycle	2 Swing Glass	8 Adj.	39 ½	31	82 5/8	R290	½	6.2
ABT-HC-47	47	Cycle	2 Slide Glass	8 Adj.	54 1/8	31 ¼	82 5/8	R290	½	8.5
ABT-HC-49	49	Cycle	2 Swing Glass	8 Adj.	54 ¼	31	82 5/8	R290	½	8.5
ABT-HC-69	69	Cycle	3 Slide Glass	12 Adj.	78 ¼	30 ¾	82 5/8	R290	½	9.3
ABT-HC-72	72	Cycle	3 Swing Glass	12 Adj.	78 ¼	31	82 5/8	R290	½	8.5

Specifications are subject to change. ***Height Includes Casters**

- Microprocessor Temperature Controller
- Adjustable operating temperature range: 1°C to 10°C
- Standard Digital Temperature Display and Alarm Module with battery back-up to support temperature monitoring and alarms
- Sample simulated digital temperature display; .1° Resolution
- Adjustable temperature display in Celsius or Fahrenheit
- Audible and visual high/low temperature alarms
- Sensor error alarm
- Power failure alarm
- Resettable 1-point Min/Max History
- Remote alarm contacts
- Alarm validation (audible, visual, and remote alarm)
- Alarm mute with ring back
- Forced draft air circulation
- Keyed door lock
- Magnetic door gasket for positive seal



The Premier Laboratory Refrigerators' temperature display and alarm module offers an array of robust security features with a monitoring and alarm system that is 100% independent of a microprocessor temperature controller.



ABT-HC-72S

Solid Door Model	Ft^3	Defrost	Doors	Shelves	W"	D"	H"	RL	H.P.	Amps
ABT-HC-12S	12	Cycle	1 Swing Solid	3 Adj.	25	29 ¾	65 ¾	R290	1/5	3
ABT-HC-16S	16	Cycle	1 Swing Solid	3 Adj.	25	29 ¾	79	R290	1/5	3
ABT-HC-23S	23	Cycle	1 Swing Solid	4 Adj.	26 7/8	34 ¾	81 ¾	R290	1/5	3
ABT-HC-26S	26	Cycle	1 Swing Solid	4 Adj.	28 3/8	36 ½	81 ¾	R290	1/5	3
ABT-HC-36S	36	Cycle	2 Swing Solid	8 Adj.	39 5/8	34 ¾	81 ¾	R290	¼	4.5
ABT-HC-49S	49	Cycle	2 Swing Solid	8 Adj.	54	34 ¾	81 ¾	R290	¼	4.5
ABT-HC-72S	72	Cycle	3 Swing Solid	12 Adj.	81	34	81 ¾	R290	½	7.5

Specifications are subject to change. ***Height Includes Casters**

- Heavy duty door handle
- LED interior lights are safety shielded and switch controlled
- Swivel casters:
  (4") Glass door models
  (3 ½") Solid door models
- Probe access port (3/8")
- Two year parts and labor warranty, plus an additional three year compressor parts warranty
- Cycle defrost
- ETL Listed (Solid Door Models)
- UL/C-UL listed (Glass Door Models Only)
- **NOTE: All products are designed to operate in ambient room temperatures not to exceed 75°F/50% RH (relative humidity). Failure to maintain these conditions may result in operational and/or performance issues**

Standard Laboratory
Refrigerators

The Standard Laboratory Glass and Solid Door Refrigerators are purpose-built for scientific and medical applications. The Standard Laboratory Glass and Solid Door Refrigerators feature a digital microprocessor temperature controller allowing for the precise temperature management necessary for critical samples and supplies.

The standard temperature display and alarm module offers product security with a monitoring and alarm system. Real-time sample simulated temperatures are constantly displayed and supported by audible/visual high and low temperature alarms. Remote alarm dry contacts and an access port are provided to simplify connections to existing facility monitoring systems.

A forced air directional refrigeration system provides superior temperature uniformity and recovery after door openings. An automatic cycle-defrost design prevents product damaging temperature spikes.

Environmentally friendly, natural hydrocarbon (HC) refrigerants which vastly reduce global-warming potential while meeting new EPA/SNAP mandates



ABT-HC-LS-23

Glass Door Model	Ft^3	Defrost	Doors	Shelves	W"	D"	H"	RL	H.P.	Amps
ABT-HC-LS-12	12	Cycle	1 Swing Glass	3 Adj.	25	29 ¾	65 ¾	R290	1/5	3
ABT-HC-LS-16	16	Cycle	1 Swing Glass	3 Adj.	25	29 ¾	79	R290	1/5	3
ABT-HC-LS-23	23	Cycle	1 Swing Glass	4 Adj.	26 7/8	34 ¾	81 ¾	R290	1/5	3
ABT-HC-LS-26	26	Cycle	1 Swing Glass	4 Adj.	28 3/8	36 ½	81 ¾	R290	1/5	3
ABT-HC-LS-33	33	Cycle	2 Slide Glass	8 Adj.	39 5/8	33 ¼	81 ¾	R290	¼	4.5
ABT-HC-LS-36	36	Cycle	2 Swing Glass	8 Adj.	39 5/8	34 ¾	81 ¾	R290	¼	4.5
ABT-HC-LS-47	47	Cycle	2 Sliding Glass	8 Adj.	54 1/8	33 ¼	81 ¾	R290	¼	4.5
ABT-HC-LS-49	49	Cycle	2 Swing Glass	8 Adj.	54	34 ¾	81 ¾	R290	¼	4.5
ABT-HC-LS-69	69	Cycle	3 Sliding Glass	12 Adj.	81	33 ¼	81 ¾	R290	½	7.5
ABT-HC-LS-72	72	Cycle	3 Swing Glass	12 Adj.	81	34	81 ¾	R290	½	7.5

Specifications are subject to change. ***Height Includes Casters**

- Microprocessor temperature controller
- Digital temperature display with sample simulated probe
- Audible and visual high and low temperature alarms
- Remote alarm contacts
- Adjustable operating temperature: 1°C to 10°C
- Forced draft air circulation
- Keyed door lock
- Magnetic door gasket for positive seal
- Heavy duty door handle
- Swivel casters (3 ½")



The Standard Laboratory Refrigerators take a large step forward in performance offering a digital temperature display and alarm module coupled with a microprocessor temperature controller.



ABT-HC-SLS-36

Solid Door Model	Ft^3	Defrost	Doors	Shelves	W"	D"	H"	RL	H.P.	Amps
ABT-HC-SLS-12	12	Cycle	1 Swing Solid	3 Adj.	25	29 ¾	65 ¾	R290	1/5	3
ABT-HC-SLS-16	16	Cycle	1 Swing Solid	3 Adj.	25	29 ¾	79	R290	1/5	3
ABT-HC-SLS-23	23	Cycle	1 Swing Solid	4 Adj.	26 7/8	34 ¾	81 ¾	R290	1/5	3
ABT-HC-SLS-26	26	Cycle	1 Swing Solid	4 Adj.	28 3/8	36 ½	81 ¾	R290	1/5	3
ABT-HC-SLS-36	36	Cycle	2 Swing Solid	8 Adj.	39 5/8	34 ¾	81 ¾	R290	¼	4.5
ABT-HC-SLS-49	49	Cycle	2 Swing Solid	8 Adj.	54	34 ¾	81 ¾	R290	¼	4.5
ABT-HC-SLS-72	72	Cycle	3 Swing Solid	12 Adj.	81	34	81 ¾	R290	½	7.5

Specifications are subject to change. ***Height Includes Casters**

- LED interior lights are safety shielded and switch controlled
- Probe access port (3/8")
- High density urethane foam cabinet insulation
- One year parts and labor warranty, plus an additional four year compressor parts warranty
- ETL Listed
- **NOTE: All products are designed to operate in ambient room temperatures not to exceed 75°F/50% RH (relative humidity). Failure to maintain these conditions may result in operational and/or performance issues**

TempLog Premier Chromatography *Refrigerators*

The TempLog Premier Chromatography Refrigerators are purpose-built for scientific and medical applications. Units feature a digital microprocessor temperature controller allowing for the precise temperature management necessary for critical samples and supplies.

The TempLog Premier touchscreen temperature display and alarm module offers the latest in advanced temperature control and data logging. Industry-leading product security with a monitoring and alarm system that is 100% independent of the temperature controller.

One interior duplex electrical outlet and two side wall port holes are provided to simplify the setup and operation of laboratory procedures. A forced air directional refrigeration system provides superior temperature uniformity and recovery after door openings. An automatic cycle-defrost design prevents product damaging temperature spikes.

All TempLog Premier Chromatography Refrigerators require two electrical outlets.

Environmentally friendly, natural hydrocarbon (HC) refrigerants which vastly reduce global-warming potential while meeting new EPA/SNAP mandates



ABT-HC-19C-TS

Glass Door Model	Ft³	Defrost	Doors	Shelves	W"	D"	H"	RL	H.P.	Amps
ABT-HC-19C-TS	19	Cycle	1 Swing Glass	4 Adj.	28 5/8	26 ¼	82 5/8	R290	1/3	5.4
ABT-HC-23C-TS	23	Cycle	1 Swing Glass	4 Adj.	28 ½	31 ¼	82 5/8	R290	1/3	5.4
ABT-HC-26C-TS	26	Cycle	1 Swing Glass	4 Adj.	31 ½	31	82 5/8	R290	1/3	5.4
ABT-HC-47C-TS	47	Cycle	2 Slide Glass	8 Adj.	55 ¾	30 ¾	82 5/8	R290	½	8.5
ABT-HC-49C-TS	49	Cycle	2 Swing Glass	8 Adj.	55 ¾	31 5/8	82 5/8	R290	½	8.5
ABT-HC-69C-TS	69	Cycle	3 Slide Glass	12 Adj.	79 ¾	31 ½	82 5/8	R290	½	9.3
ABT-HC-72C-TS	72	Cycle	3 Swing Glass	12 Adj.	79 ¾	31 ¾	82 5/8	R290	½	8.5

Specifications are subject to change. ***Height Includes Casters**

- Microprocessor temperature controller
- Adjustable operating temperature range: 1°C to 10°C
- Touchscreen Digital Temperature Display and Alarm Module with battery back-up to support temperature monitoring and alarms
- Password-protected Control Panel
- Sample simulated digital temperature display; .1° Resolution, adjustable temperature display in Celsius or Fahrenheit
- Active Temperature Scale Bar Display
- Operation indicator
- Digital 24-hour Temperature Chart
- Temperature data logging
- USB Port for Data Transfer and Software Updates
- Real-time Operational Display Clock
- 4-20mA Output
- Electronic Troubleshooting Guide
- Electronic QR Code to Access Owner's Manual & Technical Support Contact Information
- Adjustable Alarm Volume
- Audible and Visual High/Low Temperature Alarms
- Sensor Error Alarm
- Power Failure Alarm
- Door Ajar Alarm
- Low Battery Alarm
- Operation Indicator



The TempLog Premier Chromatography Refrigerators' touchscreen temperature display and alarm module offer industry-leading product security. Real-time sample simulated temperatures are constantly displayed, logged and supported by audible and visual alarms, remote alarm contacts, a 4-20mA output and an access port. A USB port is provided for easy data transfer.



ABT-HC-49C-TS

- Alarm Validation (audible, visual, and remote alarm)
- Alarm Mute with Ring Back
- Remote Alarm Contacts
- Keyed door lock
- Forced draft air circulation
- Magnetic door gasket for positive seal
- Heavy duty door handle
- LED interior lights are safety shielded and switch controlled
- Swivel casters (4")
- One GFCI protected duplex electrical outlet
- Two 2" access ports with spring loaded self-closing, gasketed metal covers
- Probe access port (3/8")
- HFC-free refrigerant (R290), foam insulation and packaging
- Three year parts and labor warranty, plus an additional two year compressor parts warranty
- Cycle defrost
- UL/C-UL listed
- **NOTE: All products are designed to operate in ambient room temperatures not to exceed 75°F/50% RH (relative humidity). Failure to maintain these conditions may result in operational and/or performance issues**

Premier Chromatography
Refrigerators

The Premier Chromatography Refrigerators feature a microprocessor temperature controller and display, allowing for precise temperature control, verification and recovery versus mechanical style thermostats. Critical samples and supplies are security backed with an extensive package of audible and visual alarms.

The temperature display and alarm module offers an array of robust security features with a monitoring and alarm system that is 100% independent of a microprocessor temperature controller.

One interior duplex electrical outlet and two side wall port holes are provided to simplify the setup and operation of laboratory procedures. An interior fan driven, forced-draft air circulation system provides excellent temperature uniformity and recovery after door openings. An automatic cycle-defrost design prevents product damaging temperature spikes.

All TempLog Premier Chromatography Refrigerators require two electrical outlets.

Environmentally friendly, natural hydrocarbon (HC) refrigerants which vastly reduce global-warming potential while meeting new EPA/SNAP mandates



ABT-HC-26C

Glass Door Model	Ft³	Defrost	Doors	Shelves	W"	D"	H"	RL	H.P.	Amps
ABT-HC-19C	19	Cycle	1 Swing Glass	4 Adj.	28 5/8	26 ¼	82 5/8	R290	1/3	5.4
ABT-HC-23C	23	Cycle	1 Swing Glass	4 Adj.	28 ½	31 ¼	82 5/8	R290	1/3	5.4
ABT-HC-26C	26	Cycle	1 Swing Glass	4 Adj.	31 ½	31	82 5/8	R290	1/3	5.4
ABT-HC-33C	33	Cycle	2 Slide Glass	8 Adj.	41	31 3/8	82 5/8	R290	½	6.3
ABT-HC-35C	35	Cycle	2 Swing Glass	8 Adj.	41	31 ¾	82 5/8	R290	½	6.2
ABT-HC-47C	47	Cycle	2 Slide Glass	8 Adj.	55 ¾	30 ¾	82 5/8	R290	½	8.5
ABT-HC-49C	49	Cycle	2 Swing Glass	8 Adj.	55 ¾	31 5/8	82 5/8	R290	½	8.5
ABT-HC-69C	69	Cycle	3 Slide Glass	12 Adj.	79 ¾	31 ½	82 5/8	R290	½	9.3
ABT-HC-72C	72	Cycle	3 Swing Glass	12 Adj.	79 ¾	31 ¾	82 5/8	R290	½	8.5

Specifications are subject to change. ***Height Includes Casters**

- Microprocessor Temperature Controller
- Adjustable operating temperature range: 1°C to 10°C
- Standard Digital Temperature Display and Alarm Module with battery back-up to support temperature monitoring and alarms
- Sample simulated digital temperature display; .1° Resolution
- Adjustable temperature display in Celsius or Fahrenheit
- Audible and visual high/low temperature alarms
- Sensor error alarm
- Power failure alarm
- Resettable 1-point Min/Max History
- Remote alarm contacts
- Alarm validation (audible, visual, and remote alarm)
- Alarm mute with ring back
- Forced draft air circulation
- Keyed door lock
- Magnetic door gasket for positive seal



The Premier Chromatography Refrigerators' temperature display and alarm module offers an array of robust security features with a monitoring and alarm system that is 100% independent of a microprocessor temperature controller.

One GFCI protected duplex electrical outlet



Two 2" access ports with spring loaded self-closing metal gasketed covers

ABT-HC-69C

- Heavy duty door handle
- LED interior lights are safety shielded and switch controlled
- Swivel casters (4")
- One GFCI protected duplex electrical outlet
- Two 2" access ports with spring loaded self-closing, gasketed
- metal covers
- Probe access port (3/8")
- HFC-free refrigerant (R290), foam insulation and packaging
- Cycle defrost
- Two year parts and labor warranty, plus an additional three year compressor parts warranty
- UL/C-UL listed
- **NOTE: All products are designed to operate in ambient room temperatures not to exceed 75°F/50% RH (relative humidity). Failure to maintain these conditions may result in operational and/or performance issues**

Standard Chromatography *Refrigerators*

The Standard Chromatography Refrigerators are purpose-built for scientific and medical applications. Standard Chromatography Refrigerators feature a digital microprocessor temperature controller allowing for the precise temperature management necessary for critical samples and supplies.

The standard temperature display and alarm module offers product security with a monitoring and alarm system. Real-time sample simulated temperatures are constantly displayed and supported by audible/visual high and low temperature alarms. Remote alarm dry contacts and an access port are provided to simplify connections to existing facility monitoring systems.

A forced air directional refrigeration system provides superior temperature uniformity and recovery after door openings. An automatic cycle-defrost design prevents product damaging temperature spikes.

Environmentally friendly, natural hydrocarbon (HC) refrigerants which vastly reduce global-warming potential while meeting new EPA/SNAP mandates



ABT-HC-CS-36

Glass Door Model	Ft^3	Defrost	Doors	Shelves	W"	D"	H"	RL	H.P.	Amps
ABT-HC-CS-16	16	Cycle	1 Swing Glass	3 Adj.	25 ¾	29 ¾	79	R290	1/5	3
ABT-HC-CS-23	23	Cycle	1 Swing Glass	4 Adj.	27 5/8	34 ¾	81 ¾	R290	1/5	3
ABT-HC-CS-26	26	Cycle	1 Swing Glass	4 Adj.	29 1/8	36 ½	81 ¾	R290	1/5	3
ABT-HC-CS-33	33	Cycle	2 Slide Glass	8 Adj.	40 3/8	33 ¼	81 ¾	R290	¼	4.5
ABT-HC-CS-36	36	Cycle	2 Swing Glass	8 Adj.	40 3/8	34 ¾	81 ¾	R290	¼	4.5
ABT-HC-CS-47	47	Cycle	2 Sliding Glass	8 Adj.	54 7/8	33 ¼	81 ¾	R290	¼	4.5
ABT-HC-CS-49	49	Cycle	2 Swing Glass	8 Adj.	54 ¾	34 ¾	81 ¾	R290	¼	4.5
ABT-HC-CS-69	69	Cycle	3 Sliding Glass	12 Adj.	81 ¾	33 ¼	81 ¾	R290	½	7.5
ABT-HC-CS-72	72	Cycle	3 Swing Glass	12 Adj.	81 ¾	34	81 ¾	R290	½	7.5

Specifications are subject to change.

***Height Includes Casters**

- Microprocessor temperature controller
- Digital temperature display with sample simulated probe
- Audible and visual high and low temperature alarms
- Remote alarm contacts
- Adjustable operating temperature: 1°C to 10°C
- Forced draft air circulation
- Keyed door lock
- Magnetic door gasket for positive seal
- Heavy duty door handle
- Swivel casters (3 ½")
- Cycle Defrost
- LED interior lights are safety shielded and switch controlled



The Standard Chromatography Refrigerators take a large step forward in performance offering a digital temperature display and alarm module coupled with a microprocessor temperature controller.



ABT-HC-CS-23

- One GFCI protected duplex electrical outlet
- One 2" access port with spring loaded self-closing, gasketed metal cover
- Probe access port (3/8")
- High density urethane foam cabinet insulation
- One year parts and labor warranty, plus an additional four year compressor parts warranty
- ETL Listed
- **NOTE: All products are designed to operate in ambient room temperatures not to exceed 75°F/50% RH (relative humidity). Failure to maintain these conditions may result in operational and/or performance issues**

TempLog Premier Validation
Refrigerators & Freezers

The TempLog Premier Stainless Steel Validation Laboratory Refrigerators and Freezers are purpose-built for scientific and medical applications. An interior fan driven, forced-draft air circulation system provides excellent temperature uniformity and recovery after door openings. (Refrigerators only) Critical samples and supplies are security backed with an extensive package of audible and visual alarms.

The TempLog Premier touchscreen temperature display and alarm module offers the latest in advanced temperature control and data logging. Industry-leading product security with a monitoring and alarm system that is 100% independent of the temperature controller.

Auto defrost freezer models have programmed defrost cycles that will reach air temperatures of approximately 0°C. ABS's NIST traceable data acquisition equipment assuring reproducible operation. If provided with a Requirements Document, ABS will make every effort to fulfill or exceed each condition.

Environmentally friendly, natural hydrocarbon (HC) refrigerants which vastly reduce global-warming potential while meeting new EPA/SNAP mandates



ABT-AFPP-23-TS

Refrigerator Model	Ft^3	Defrost	Doors	Shelves	W"	D"	H"	RL	H.P.	Amps
ABT-HCPP-23G-TS	23	Cycle	1 Glass	3 Adj.	27	31 5/8	83 ¼	R290	¼	2.2
ABT-HCPP-23-TS	23	Cycle	1 Solid	3 Adj.	27	30 ¾	83 ¼	R290	¼	2.2
ABT-HCPP-49G-TS	49	Cycle	2 Glass	6 Adj.	54	31 5/8	83 ¼	R290	½	5.4
ABT-HCPP-49-TS	49	Cycle	2 Solid	6 Adj.	54	30 ¾	83 ¼	R290	½	5.4
ABT-HCPP-72G-TS	72	Cycle	3 Glass	9 Adj.	78 1/8	31 5/8	83 5/8	R290	¾	6.9
ABT-HCPP-72-TS	72	Cycle	3 Solid	9 Adj.	78 1/8	30 ¾	83 5/8	R290	¾	6.9
Freezer Model	**Ft^3**	**Defrost**	**Doors**	**Shelves**	**W"**	**D"**	**H"**	**RL**	**H.P.**	**Amps**
ABT-AFPP-23-TS*	23	Auto	1 Solid	3 Adj.	27	30 ¾	83 ¼	R290	½	3.7
ABT-AFPP-49-TS*	49	Auto	2 Solid	6 Adj.	54	30 ¾	83 ¼	R290	1	9.6

Specifications are subject to change. ***Height Includes Casters**

- Multi-Point temperature mapping via NIST traceable data acquisition, 15 probes in air and 3 probes in sample solution for 360 minutes with temperature readings every 60 seconds
- Microprocessor temperature controller
- Adjustable operating temperature range:
  Refrigerators: 1°C to 10°C
  Freezers: -15°C to -25°C
- Touchscreen Digital Temperature Display and Alarm Module with battery back-up to support temperature monitoring and alarms
- Password-protected control panel
- Sample simulated digital temperature display; .1° Resolution, adjustable temperature display in Celsius or Fahrenheit
- Active temperature scale bar display
- Resettable 1-point min/max history
- Digital 24-hour temperature chart
- Temperature & alarm event data logging
- USB port for data transfer and software updates
- Real-time operational display clock
- 4-20mA output
- Electronic troubleshooting guide
- Electronic QR Code to access Owner's Manual & technical support contact Information
- Adjustable alarm volume
- Audible and visual high/low temperature alarms
- Sensor error alarm
- Power failure alarm
- Door ajar alarm
- Low battery alarm



The TempLog Premier Validation touchscreen temperature display and alarm module offer industry-leading product security. Real-time sample simulated temperatures are constantly displayed, logged and supported by audible and visual alarms, remote alarm contacts, a 4-20mA output and an access port. A USB port is provided for easy data transfer.





Standard features; Multi-Point temperature mapping via NIST traceable data acquisition, 15 probes in air and 3 probes in sample solution for 360 minutes with temperature readings every 60 seconds

Stainless steel interior/ exterior

ABT-HCPP-72G-TS

***DISCLAIMER: Auto defrost freezers incorporate an electric heater installed on the evaporator that assists in the removal of the frost and ice. Although the heater helps speed up the frost and ice removal, it can raise the temperatures within the freezer.**

- Operation indicator
- Alarm validation (audible, visual, and remote alarm)
- Alarm mute with ring back
- Remote alarm contacts
- Forced air draft circulation (Refrigerators ONLY)
- Keyed door lock
- Magnetic door gasket for positive seal
- Heavy duty door handle
- Swivel casters (5")
- Interior light
- Probe access port (3/8")
- Stainless steel interior/exterior
- High density urethane foam cabinet insulation
- HFC-free refrigerant (R290), foam insulation and packaging
- Three year parts and labor warranty, plus an additional two year compressor parts warranty
- Defrost:
  Refrigerator: Cycle defrost
  Freezer: Auto defrost
- UL/C-UL listed
- **NOTE: All products are designed to operate in ambient room temperatures not to exceed 75°F/50% RH (relative humidity). Failure to maintain these conditions may result in operational and/or performance issues**

Premier Validation
Refrigerators & Freezers

The Premier Stainless Steel Validation Refrigerator and Freezers are performance qualified to help satisfy qualification and validation requirements. An interior fan driven, forced-draft air circulation system provides excellent temperature uniformity and recovery after door openings. (Refrigerators only) Critical samples and supplies are security backed with an extensive package of audible and visual alarms.

The Premier temperature display and alarm module offers an array of robust security features with a monitoring and alarm system that is 100% independent of a microprocessor temperature controller.

Auto defrost freezer models have programmed defrost cycles that will reach air temperatures of approximately 0°C. ABS's NIST traceable data acquisition equipment assuring reproducible operation. If provided with a Requirements Document, ABS will make every effort to fulfill or exceed each condition.



ABT-AFPP-23

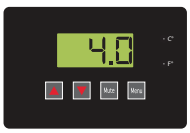
Environmentally friendly, natural hydrocarbon (HC) refrigerants which vastly reduce global-warming potential while meeting new EPA/SNAP mandates

Refrigerator Model	Ft³	Defrost	Doors	Shelves	W"	D"	H"	RL	H.P.	Amps
ABT-HCPP-23G	23	Cycle	1 Glass	3 Adj.	27	31 5/8	83 ¼	R290	¼	2.2
ABT-HCPP-23	23	Cycle	1 Solid	3 Adj.	27	30 ¾	83 ¼	R290	¼	2.2
ABT-HCPP-49G	49	Cycle	2 Glass	6 Adj.	54	31 5/8	83 ¼	R290	½	5.4
ABT-HCPP-49	49	Cycle	2 Solid	6 Adj.	54	30 ¾	83 ¼	R290	½	5.4
ABT-HCPP-72G	72	Cycle	3 Glass	9 Adj.	78 1/8	31 5/8	83 5/8	R290	¾	6.9
ABT-HCPP-72	72	Cycle	3 Solid	9 Adj.	78 1/8	30 ¾	83 5/8	R290	¾	6.9
Freezer Model	**Ft³**	**Defrost**	**Doors**	**Shelves**	**W"**	**D"**	**H"**	**RL**	**H.P.**	**Amps**
ABT-AFPP-23*	23	Auto	1 Solid	3 Adj.	27	30 ¾	83 ¼	R290	½	3.7
ABT-AFPP-49*	49	Auto	2 Solid	6 Adj.	54	30 ¾	83 ¼	R290	1	9.6

Specifications are subject to change.

**Height Includes Casters*

- Multi-Point temperature mapping via NIST traceable data acquisition, 15 probes in air and 3 probes in sample solution for 360 minutes with temperature readings every 60 seconds
- Microprocessor temperature controller
- Adjustable operating temperature range:
  Refrigerator: 1°C to 10°C
  Freezer: -15°C to -25°C
- Standard Digital Temperature Display and Alarm Module with battery back-up to support temperature monitoring and alarms
- Sample simulated digital temperature display; .1° Resolution
- Adjustable temperature display in Celsius or Fahrenheit
- Audible and visual high/low temperature alarms
- Sensor error alarm
- Power failure alarm
- Resettable 1-point min/max history
- Remote alarm contacts
- Alarm validation (audible, visual, and remote alarm)
- Alarm mute with ring back
- Forced air draft circulation (Refrigerators ONLY)
- Keyed door lock



The Premier Validation temperature display and alarm module offer an array of robust security features with a monitoring and alarm system that is 100% independent of a microprocessor temperature controller.



Standard features; Multi-Point temperature mapping via NIST traceable data acquisition, 15 probes in air and 3 probes in sample solution for 360 minutes with temperature readings every 60 seconds

Stainless steel interior/exterior



ABT-HCPP-49G

***DISCLAIMER: Auto defrost freezers incorporate an electric heater installed on the evaporator that assists in the removal of the frost and ice. Although the heater helps speed up the frost and ice removal, it can raise the temperatures within the freezer.**

- Magnetic door gasket for positive seal
- Heavy duty door handle
- Swivel casters (5")
- Interior light
- Probe access port (3/8")
- Stainless steel interior/exterior
- High density urethane foam cabinet insulation
- HFC-free refrigerant (R290), foam insulation and packaging
- Two year parts and labor warranty, plus an additional three year compressor parts warranty
- Defrost:
  Refrigerator: Cycle defrost
  Freezer: Auto defrost
- UL/C-UL listed
- **NOTE: All products are designed to operate in ambient room temperatures not to exceed 75°F/50% RH (relative humidity). Failure to maintain these conditions may result in operational and/or performance issues**

Premier Stainless Steel
Refrigerators & Freezers

The Premier Stainless Steel Refrigerators and Freezers feature a microprocessor temperature controller allowing for the precise temperature management necessary for critical samples and supplies.

The temperature display and alarm module offers product security with a monitoring and alarm system. Real-time sample simulated temperatures are constantly displayed and supported by audible/visual high and low temperature alarms. Remote alarm dry contacts and an access port are provided to simplify connections to existing facility monitoring systems.

An interior fan driven, forced-draft air circulation system provides excellent temperature uniformity and recovery after door openings. (Refrigerators only) An automatic cycle-defrost design prevents product damaging temperature spikes.

Environmentally friendly, natural hydrocarbon (HC) refrigerants which vastly reduce global-warming potential while meeting new EPA/SNAP mandates



ABT-HC-SSP-49

Refrigerator Model	Ft³	Defrost	Temp	Doors	Shelves	W"	D"	H"	RL	H.P.	Amps
ABT-HC-SSP-23G	23	Cycle	4˚C	1 Glass	4 Adj.	26 7/8	35 ¾	83 ¼	R290	1/5	3
ABT-HC-SSP-23	23	Cycle	4˚C	1 Solid	3 Adj.	26 7/8	35 ¾	83 ¼	R290	1/5	3
ABT-HC-SSP-49G	49	Cycle	4˚C	2 Glass	8 Adj.	54	35 ¾	83 ¼	R290	¼	4.5
ABT-HC-SSP-49	49	Cycle	4˚C	2 Solid	6 Adj.	54	35 ¾	83 ¼	R290	¼	4.5
ABT-HC-SSP-72G	72	Cycle	4˚C	3 Glass	12 Adj.	81	35 ¾	83 ¼	R290	½	7.5
ABT-HC-SSP-72	72	Cycle	4˚C	3 Solid	9 Adj.	81	35 ¾	83 ¼	R290	½	7.5
Freezer Model	**Ft³**	**Defrost**	**Temp**	**Doors**	**Shelves**	**W"**	**D"**	**H"**	**RL**	**H.P.**	**Amps**
ABT-HC-SSP-23FA*	23	Auto	-20˚C	1 Solid	3 Adj.	26 7/8	35 ¾	83 ¼	R290	¾	8
ABT-HC-SSP-23FA3*	23	Auto	-30˚C	1 Solid	3 Adj.	27	36	83 ¼	R290	¾	8
ABT-HC-SSP-49FA*	49	Auto	-20˚C	2 Solid	6 Adj.	54	35 ¾	83 ¼	R290	¾	9

Specifications are subject to change. ***Height Includes Casters**

- Microprocessor temperature controller
- Digital temperature display with sample simulated probe
- Audible and visual high and low temperature alarms
- Remote alarm contacts
- Forced air draft circulation (Refrigerators only)
- Keyed door lock
- Magnetic door gasket for positive seal
- Adjustable operating temperature range:
  Refrigerator: 1°C to 10°C
  Freezer (-20°C): -15°C to -25°C
  Freezer (-30°C): -27°C to -33°C
- Defrost:
  Refrigerator : Cycle
  Freezer: Auto



The Premier Stainless Steel Refrigerators and Freezers take a large step forward in performance offering a digital temperature display and alarm module coupled with a microprocessor temperature controller.





Stainless steel interior floor; stainless steel exterior

ABT-HC-SSP-72G

***DISCLAIMER: Auto defrost freezers incorporate an electric heater installed on the evaporator that assists in the removal of the frost and ice. Although the heater helps speed up the frost and ice removal, it can raise the temperatures within the freezer.**

- Swivel casters (5 ¾")
- Interior light
- Probe access port (3/8") Stainless steel interior floor
- Stainless steel exterior
- High density urethane foam cabinet insulation
- HFC-free refrigerant (R290), foam insulation and packaging
- ETL listed
- Two year parts and labor warranty, plus an additional three year compressor parts warranty
- **NOTE: All products are designed to operate in ambient room temperatures not to exceed 75°F/50% RH (relative humidity). Failure to maintain these conditions may result in operational and/or performance issues**

Premier Compact Laboratory *Refrigerators*



The Premier Compact Laboratory Refrigerators take a large step forward in performance offering a digital temperature display and alarm module coupled with a microprocessor temperature controller.

The Premier Compact Laboratory Refrigerators are purpose-built for scientific and medical applications. To improve performance, the Premier Compact Laboratory Refrigerators feature a digital microprocessor temperature controller allowing for the precise temperature management necessary for critical samples and supplies.

The standard temperature display and alarm module offers product security with a monitoring and alarm system. Real-time sample simulated temperatures are constantly displayed and supported by audible/visual high and low temperature alarms. Remote alarm dry contacts and an access port are provided to simplify connections to existing facility monitoring systems.

A forced air directional refrigeration system provides superior temperature uniformity and recovery after door openings. An automatic cycle-defrost design prevents product damaging temperature spikes.

Freestanding models require 4" of clearance around back and sides of the unit for proper ventilation. Improper installation will void the warranty and will lead to temperature maintenance issues, overheating and possible failure.

Environmentally friendly, natural hydrocarbon (HC) refrigerants which vastly reduce global-warming potential while meeting new EPA/SNAP mandates

6 Adjustable shelves with guard rail on back to prevent product from being pushed against back wall



ABT-HC-10PG

Refrigerator Model	Ft³	Defrost	Doors	Shelves	W"	D"	H"	RL	H.P.	Amps
ABT-HC-10PG	10.5	Cycle	1 Glass	6 Adj.	23 ¾	26 ½	59	R600a	1/3	2.3
ABT-HC-10PS	10.5	Cycle	1 Solid	6 Adj.	23 ¾	26 ½	59	R600a	1/3	2.3

Specifications are subject to change.

- Microprocessor temperature controller
- Digital temperature display with sample simulated probe
- Audible and visual high and low temperature alarms
- Remote alarm contacts
- Adjustable operating temperature range: 1°C to 10°C
- Bottom footed shelf to allow air circulation
- Forced draft circulation
- Back wall evaporator cover
- Keyed door lock
- Magnetic door gasket for positive seal
- Leveling legs
- LED interior light
- Probe access port (3/8")
- High density urethane foam cabinet insulation
- HFC-free refrigerant (R600a), foam insulation and packaging
- Two year parts and labor warranty, plus an additional three year compressor parts warranty
- UL/C-UL listed
- Energy Star Certified
- Cycle defrost
- **Note: Units must have 4" clearance on sides and back for adequate ventilation**
- **NOTE: All products are designed to operate in ambient room temperatures not to exceed 75°F/50% RH (relative humidity). Failure to maintain these conditions may result in operational and/or performance issues**

Premier Pass Thru *Refrigerators*

These units feature both front and rear door access for applications where the loading and removal of product from both sides of the unit is required. Pass-Thru units are ideal for clean room and Pharmacy IV preparation applications.

Premier Pass-Thru Refrigerators also feature microprocessor temperature controller and display, allowing for precise temperature control, verification and recovery versus mechanical style thermostats. Critical samples and supplies are security backed with an extensive package of audible and visual alarms.

An interior fan driven, forced-draft air circulation system provides excellent temperature uniformity and recovery after door openings.



The Premier Pass Thru Refrigerator's temperature display and alarm module offer an array of robust security features with a monitoring and alarm system that is 100% independent of a microprocessor temperature controller.



Available in either sliding or swinging glass front doors; two solid rear swinging doors

ABT-HCPTP-49

Environmentally friendly, natural hydrocarbon (HC) refrigerants which vastly reduce global-warming potential while meeting new EPA/SNAP mandates

Refrigerator Model	Ft^3	Defrost	Front Door	Back Door	Shelves	W"	D"	H"	RL	H.P.	Amps
ABT-HCPTP-47	47	Cycle	2 Sliding	2 Solid	8 Adj.	54 1/8	32 3/8	82 5/8	R290	½	8.8
ABT-HCPTP-49	49	Cycle	2 Swing	2 Solid	8 Adj.	54 1/8	33 7/8	82 5/8	R290	½	8.5

Specifications are subject to change.

***Height Includes Casters**

- Microprocessor Temperature Controller
- Adjustable operating temperature range: 1°C to 10°C
- Digital Temperature Display and Alarm Module with battery back-up to support temperature monitoring and alarms
- Sample simulated digital temperature display; .1° Resolution
- Adjustable temperature display in Celsius or Fahrenheit
- Audible and visual high/low temperature alarms
- Sensor error alarm
- Power failure alarm
- Resettable 1-point Min/Max History
- Remote alarm contacts
- Alarm validation (audible, visual, and remote alarm)
- Alarm mute with ring back
- Magnetic door gasket for positive seal
- Heavy duty door handle
- Swivel casters (4")
- One probe access port (3/8")
- White textured cabinet and door
- High density urethane foam cabinet and door insulation
- HFC-free refrigerant (R290), foam insulation and packaging
- Two year parts and labor warranty, plus an additional three year compressor parts warranty
- Cycle defrost
- UL/C-UL listed
- **NOTE: All products are designed to operate in ambient room temperatures not to exceed 75°F/50% RH (relative humidity). Failure to maintain these conditions may result in operational and/or performance issues**

TempLog Premier Manual Defrost *Freezers*

The TempLog Premier Manual Defrost Freezers are purpose-built for scientific and medical applications. Units feature a digital microprocessor temperature controller which allows for the precise temperature management necessary for critical samples and supplies. A manual defrost design prevents product damaging temperature spikes from defrost cycles. Critical samples and supplies are security backed with an extensive package of audible and visual alarms.

The Touchscreen temperature display and alarm module offers the latest in advanced temperature control and data logging. Industry-leading product security with a monitoring and alarm system that is 100% independent of the temperature controller.

Periodic manual defrosting is required.



The TempLog Premier Manual Defrost Freezers' touchscreen temperature display and alarm module offer industry-leading product security. Real-time sample simulated temperatures are constantly displayed, logged and supported by audible and visual alarms, remote alarm contacts, a 4-20mA output and an access port. A USB port is provided for easy data transfer.



ABT-MFP-30-TS

Sample simulated temperature display to show real-time product temperatures



ABT-MFP-30-TS

Inner "fast freeze compartments" with doors for temperature maintenance and recovery

Freezer Model	Ft^3	Temp	Defrost	Doors	Int Doors	Shelves	W"	D"	H"	RL	H.P.	Amps
ABT-MFP-30-TS	30	-20˚C	Manual	1 Solid	5	4 Fixed	35 ¾	34 ¼	76 ½	R404a	1/3	6
ABT-MFP-3030-TS	30	-30˚C	Manual	1 Solid	5	4 Fixed	35 ¾	34 ¼	76 ½	R404a	1	10.7

Specifications are subject to change. ***Height Includes Casters**

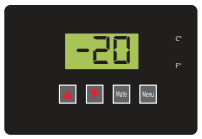
- Inner "fast-freeze compartments" with doors for temperature maintenance and recovery
- Microprocessor Temperature Controller
- Adjustable Operating Temperature Range:
  -20°C Models: -15°C to -25°C
  -30°C Models: -27°C to -33°C
- Touchscreen Digital Temperature Display and Alarm Module with battery back-up to support temperature monitoring and alarms
- Password-protected Control Panel
- Sample simulated digital temperature display; .1° Resolution
- Adjustable temperature display in Celsius or Fahrenheit
- Active Temperature Scale Bar Display
- Resettable 1-point Min/Max History
- Digital 24-hour Temperature Chart
- Temperature Data Logging
- USB Port for Data Transfer and Software Updates
- Real-time Operational Display Clock
- 4-20mA Output
- Electronic Troubleshooting Guide
- Electronic QR Code to Access Owner's Manual & Technical Support Contact Information
- Adjustable Alarm Volume
- Audible and Visual High/Low Temperature Alarms
- Sensor Error Alarm
- Power Failure Alarm
- Door Ajar Alarm
- Low Battery Alarm
- Operation Indicator
- Alarm Validation (audible, visual, and remote alarm)
- Alarm Mute with Ring Back
- Remote Alarm Contacts
- Keyed door lock
- Magnetic door gasket for positive seal
- Heavy duty door handle
- Caster platform (4")
- One probe access port (3/8")
- White textured cabinet and door
- High density urethane foam cabinet and door insulation
- CFC-free refrigerant, foam insulation and packaging
- Three year parts and labor warranty, plus additional two year compressor parts warranty
- Manual defrost
- UL/C-UL listed
- **NOTE: All products are designed to operate in ambient room temperatures not to exceed 75°F/50% RH (relative humidity). Failure to maintain these conditions may result in operational and/or performance issues**

Premier Manual Defrost *Freezers*

The Premier Manual Defrost Freezers feature a microprocessor temperature controller, allowing for precise temperature control, recovery and maintenance versus mechanical style thermostats.

Critical samples and supplies are security backed with an extensive package of temperature security and alarms. Manual defrost units (excluding Chest Freezers) also feature insulating inner doors and a manual defrost operating system to limit product-damaging temperature spikes. In addition to the elimination of damaging auto defrost cycles, the inner doors help reduce cold air loss during main door openings and greatly improve temperature recovery.

Periodic manual defrosting is required.



The Premier Manual Defrost Freezers' temperature display and alarm module offer an array of robust security features with a monitoring and alarm system that is 100% independent of a microprocessor temperature controller.



ABT-MFP-3030



ABT-MFP-20-C

Sample simulated digital temperature display with 0.1° resolution

Freezer Model	Ft³	Temp	Defrost	Doors	Int Doors	Shelves	W"	D"	H"	RL	H.P.	Amps
ABT-MFP-30	30	-20˚C	Manual	1 Solid	5	4 Fixed	35 ¾	34 ¼	76 ½	R404a	1/3	6
ABT-MFP-3030	30	-30˚C	Manual	1 Solid	5	4 Fixed	35 ¾	34 ¼	76 ½	R404a	1	10.7
Chest Freezer Model												
ABT-MFP-15-C	15	Manual	-20˚C	1 Hinge	0	2 Baskets	56	29 ½	35 1/8	R134a	¼	5
ABT-MFP-20-C	20	Manual	-20˚C	1 Hinge	0	2 Baskets	74 3/8	29 ½	34	R134a	¼	5

Specifications are subject to change. ***Height Includes Casters**

- Microprocessor Temperature Controller
- Adjustable Operating Temperature Range:
  -20°C Models: -15°C to -25°C
  -30°C Models: -27°C to -33°C
- Standard Digital Temperature Display and Alarm Module with battery back-up to support temperature monitoring and alarms
- Sample simulated digital temperature display; .1° Resolution
- Adjustable temperature display in Celsius or Fahrenheit
- Audible and visual high/low temperature alarms
- Sensor error alarm
- Power failure alarm
- Resettable 1-point Min/Max History
- Remote alarm contacts
- Alarm validation (audible, visual, and remote alarm)
- Alarm mute with ring back
- Keyed door lock
- Caster platform (4") (excluding Chest Freezer)
- Casters (2 ¾") Chest Freezers
- Interchangeable Leveling Legs (Chest Freezers only)
- Magnetic door gasket for positive seal
- Heavy duty door handle (recessed handle for Chest Freezer)
- One probe access port (3/8")
- White cabinet and door
- High density urethane foam cabinet and door insulation
- CFC-free refrigerant, foam insulation and packaging
- Two year parts and labor warranty; plus additional three year compressor parts warranty
- Manual defrost
- UL/C-UL listed (Excluding Chest Freezers)
- **NOTE: All products are designed to operate in ambient room temperatures not to exceed 75°F/50% RH (relative humidity). Failure to maintain these conditions may result in operational and/or performance issues**

Premier Manual Defrost with Natural Refrigerants
Freezers



The Premier Natural Refrigerant Manual Defrost Laboratory Freezers take a large step forward in performance offering a digital temperature display and alarm module coupled with a microprocessor temperature controller.

The Premier Manual Defrost Freezers with Natural Refrigerants take a large step forward in performance from past solid door manual defrost units. These units feature a digital microprocessor temperature controller allowing for the precise temperature management necessary for critical samples and supplies.

The temperature display and alarm module offers product security with a monitoring and alarm system. Real-time sample simulated temperatures are constantly displayed and supported by audible/visual high and low temperature alarms. Remote alarm dry contacts and an access port are provided to simplify connections to existing facility monitoring systems.

Freestanding models require 4" of clearance around back and sides of the unit for proper ventilation. Improper installation will void the warranty and will lead to temperature maintenance issues, overheating and possible failure.

Periodic manual defrosting is required.

Environmentally friendly, natural hydrocarbon (HC) refrigerants which vastly reduce global-warming potential while meeting new EPA/SNAP mandates

Digital temperature display and alarm module



ABT-HC-MFP-14 ABT-HC-MFP-20

Freezer Model	Ft³	Defrost	Temp	Doors	Shelves	W"	D"	H"	RL	H.P.	Amps
ABT-HC-MFP-14	14	Manual	-20˚C	1 Solid	6 Fixed	23 5/8	23 3/8	73	R290	½	1.96
ABT-HC-MFP-20	20	Manual	-20˚C	1 Solid	6 Fixed	30 ¾	28 ½	74 5/8	R290	½	1.96

Specifications are subject to change.

- Microprocessor Temperature Controller
- Digital Temperature Display with sample simulated probe
- Audible and visual high/low temperature alarms
- Remote alarm contacts
- Adjustable operating temperature range: -15°C to -25°C
- Adjustable temperature display in Celsius or Fahrenheit
- Leveling legs
- Keyed door lock
- Magnetic door gasket for positive seal
- Probe access port (3/8")
- High density urethane foam cabinet and door insulation
- HFC-free refrigerant (R290), foam insulation and packaging
- Two year parts and labor warranty; plus additional three year compressor parts warranty
- Manual defrost
- UL/C-UL listed
- Energy Star Certified
- **NOTE: Units require 4" of clearance on sides and back for adequate ventilation**
- **NOTE: All products are designed to operate in ambient room temperatures not to exceed 75°F/50% RH (relative humidity). Failure to maintain these conditions may result in operational and/or performance issues**

Standard Manual Defrost
Freezers

The Standard Manual Defrost Freezers are intended for general purpose applications where precise temperature control and maintenance are not essential and there are no requirements for temperature alarms. Manual defrost units have been designed to operate without product damaging auto defrost cycles.

Designed specifically for General Purpose applications; where precise temperature control, maintenance and alarms are not necessary

Periodic manual defrosting is required.



Freezer Model	Ft³	Defrost	Temp	Doors	Int Doors	Shelves	W"	D"	H"	RL	H.P.	Amps
ABT-MFS-30	30	Manual	-20˚C	1 Solid	5	4 Fixed	35 ¾	34 ¼	72 ½	R404a	1/3	6
Chest Freezer Model												
ABT-MFS-15-C	15	Manual	-20˚C	1 Hinge	0	2 Baskets	56	29 ½	35 1/8	R134a	¼	5
ABT-MFS-20-C	20	Manual	-20˚C	1 Hinge	0	2 Baskets	74 3/8	29 ½	34	R134a	¼	5

Specifications are subject to change. ***Height Includes Casters**

- Mechanical thermostat
- Adjustable operating temperature range: -15°C to -25°C
- Keyed door lock
- Magnetic door gasket for positive seal
- Heavy duty door handle (recessed handle for Chest Freezer)
- Leveling legs Upright Freezers
- Casters (2 ¾") Chest Freezers
- Interchangeable leveling legs on Chest Freezers
- Probe access port (3/8")
- White textured cabinet and door
- High density urethane foam cabinet and door insulation
- CFC-free refrigerant, foam insulation and packaging
- One year parts and labor warranty; plus additional four year compressor parts warranty
- Manual defrost
- UL/C-UL listed (Excluding Chest Freezers)
- **NOTE: All products are designed to operate in ambient room temperatures not to exceed 75°F/50% RH (relative humidity). Failure to maintain these conditions may result in operational and/or performance issues**

Standard Auto Defrost
Freezers

The Standard Auto Defrost Freezers are intended for general purpose applications where precise temperature control and maintenance are not essential and there are no requirements for temperature alarms.

Designed specifically for General Purpose applications; where precise temperature control, maintenance and alarms are not necessary

***DISCLAIMER: Auto defrost freezers incorporate an electric heater installed on the evaporator that assists in the removal of the frost and ice. Although the heater helps speed up the frost and ice removal, it can raise the temperatures within the freezer. These air temperature spikes can be harmful to some medical and laboratory products. Auto defrost units have programmed defrost cycles that will reach air temperatures of approximately 0°C.**

Environmentally friendly, natural hydrocarbon (HC) refrigerants which vastly reduce global-warming potential while meeting new EPA/SNAP mandates (select models only)



ABT-HC-AFS-1420

Freezer Model	Ft³	Defrost	Temp	Doors	Shelves	W"	D"	H"	RL	H.P.	Amps
*ABT-HC-AFS-1420	14	Auto	-20˚C	1 Solid	3 Adj.	28	26 ¼	67 ¾	R600a	¼	5
*ABT-HC-AFS-1720	17	Auto	-20˚C	1 Solid	3 Adj.	28	29 ¾	68	R600a	¼	5

Specifications are subject to change.

- Mechanical thermostat
- Adjustable operating temperature range: -15°C to -20°C
- Auto defrost
- Magnetic door gasket for positive seal
- Leveling legs
- Keyed Door Lock
- Interior light
- Probe access port (3/8")
- High density urethane foam cabinet and door insulation
- HFC-free refrigerant (R600a), foam insulation and packaging
- One year parts and labor warranty, plus an additional four year compressor parts warranty
- **NOTE: All products are designed to operate in ambient room temperatures not to exceed 75°F/50% RH (relative humidity). Failure to maintain these conditions may result in operational and/or performance issues**

Ultra Low Temperature *Freezers*

Ultra Low Temperature Freezers deliver rich features and benefits for the most demanding cold storage applications. Designed to utilize standard racks, this unit offers high efficiency with low noise by utilizing two high efficiency compressors that keep decibel levels low, while still having 300 BTUh reserve capacity. The interior of the unit features a triple gasket seal, vacuum relief port, five double walled insulated doors & 5 ½" of Urethane insulation in critical areas. Units are made in the USA and are UL and C-UL listed.

Periodic manual defrosting is required.



Intuitive Interface - Easy to follow prompts simplify changing set points, calibration and accessing diagnostics.

Simple to Troubleshoot - The control system monitors and records all specified conditions up to 4,000 events. This history can be downloaded for rapid assessment of any alarm.



ABT-230V-2586



ABT-115V-1786

Freezer Model	Ft^3	Defrost	Temp	Doors	Int Doors	Shelves	W"	D"	H"	H.P.	Amps
ABT-115V-1786	17	Manual	-86˚C	1 Solid	5 Insulated	4 Fixed	37 3/5	36 2/7	79 3/5	½ x ½	16
ABT-230V-1786	17	Manual	-86˚C	1 Solid	5 Insulated	4 Fixed	37 3/5	36 2/7	79 3/5	½ x ½	10
ABT-115V-2186	21	Manual	-86˚C	1 Solid	5 Insulated	4 Fixed	43 2/7	36 2/7	79 3/5	½ x ½	16
ABT-230V-2186	21	Manual	-86˚C	1 Solid	5 Insulated	4 Fixed	43 2/7	36 2/7	79 3/5	½ x ½	10
ABT-230V-2586	25	Manual	-86˚C	1 Solid	5 Insulated	4 Fixed	49	36 3/5	79 3/5	½ x ½	10

Specifications are subject to change. ***Height Includes Casters**

- Microprocessor temperature controller
- Touch pad keys and four line display for easy programming
- Large LED temperature readout
- Swivel casters (4")
- Audible and visual alarms with silence key for audible alarms
- Programmable high and low temperature alarm set points
- Programmable access code to limit access to set points and controller configuration
- Automatic voltage boost to compensate for low line voltages
- Normally open, normally closed alarm contacts and 4-20mA signal available to connect to central alarm system
- RS-232 serial output
- Battery backup to support temperature monitoring and alarms
- Temperature Range: -50°C to -86°C
- Cam action handle for one hand latching of exterior door.
- Handle supplied with key lock and door switch for audible and visual alarm.
- Heavy duty swivel casters with locks
- Vacuum relief port for quick access after door closures
- Five insulated inner doors
- Cascade refrigeration system
- CFC Free Refrigerant
- UL/C-UL listed
- Made in the USA
- **NOTE: All products are designed to operate in ambient room temperatures not to exceed 75°F/50% RH (relative humidity). Failure to maintain these conditions may result in operational and/or performance issues**

TempLog Premier Flammable Storage *Refrigerator & Freezer*

The TempLog Premier Flammable Storage Refrigerator & Freezer meet NFPA and OSHA guidelines 45 and 70 for the refrigerated storage of flammable (volatile) materials in general laboratory work areas.

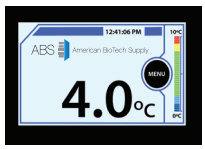
These units feature a digital microprocessor temperature controller allowing for the precise temperature management necessary for critical samples and supplies.

The Touchscreen temperature display and alarm module offers the latest in advanced temperature control and data logging. Industry-leading product security with a monitoring and alarm system that is 100% independent of the temperature controller.

There are no electrical components located in the interior of the unit and the compressor's electrical components have been sealed in a vapor-proof enclosure for additional safety.

These units are NOT designed for use in environments where volatile/ explosive conditions could potentially exist.

For Manual Defrost Freezers, periodic manual defrosting is required.



The TempLog Premier Flammable Material Storage Refrigerator and Freezer's touchscreen temperature display and alarm module offer industry-leading product security. Real-time sample simulated temperatures are constantly displayed, logged and supported by audible and visual alarms, remote alarm contacts, a 4-20mA output and an access port. A USB port is provided for easy data transfer.

Sample simulated temperature display to show real-time product temperatures



ABT-FRP-30-TS

Refrigerator Model	Ft^3	Defrost	Doors	Shelves	W"	D"	H"	RL	H.P.	Amps
ABT-FRP-30-TS	30	Cycle	1 Solid	5 Adj.	35 ¾	35	76 ¾	R404a	1/3	6
Freezer Model										
ABT-FFP-30-TS	30	Manual	1 Solid	4 Fixed	35 ¾	35	76 ¾	R404a	1/3	6

Specifications are subject to change.

- Microprocessor temperature controller
- Adjustable operating temperature range:
  Refrigerator: 1°C to 10°C
  Freezer: -15°C to -25°C
- Touchscreen Digital Temperature Display and Alarm Module with battery back-up to support temperature monitoring and alarms
- Password-protected control panel
- Sample simulated digital temperature display; .1° Resolution, adjustable temperature display in Celsius or Fahrenheit
- Active temperature scale bar display
- Resettable 1-point min/max history
- Digital 24-hour temperature chart
- Temperature data logging
- USB port for data transfer and software updates
- Real-time operational display clock
- 4-20mA output
- Electronic troubleshooting guide
- Electronic QR Code to access Owner's Manual & technical support contact Information
- Adjustable alarm volume
- Audible and visual high/low temperature alarms
- Sensor error alarm
- Power failure alarm
- Door ajar alarm
- Low battery alarm
- Operation indicator
- Alarm validation (audible, visual, and remote alarm)
- Alarm mute with ring back
- Remote alarm contacts
- Keyed door lock
- Magnetic door gasket for positive seal
- Heavy duty stainless steel door handle
- Leveling legs
- One probe access port (3/8")
- White textured cabinet and door
- High density urethane foam cabinet and door insulation
- CFC-free refrigerant, foam insulation and packaging
- Three year parts and labor warranty
- Defrost:
  Refrigerator: Cycle defrost
  Freezer: Manual defrost
- UL/C-UL listed
- Units meet NFPA guidelines 45 and 70
- **NOTE: All products are designed to operate in ambient room temperatures not to exceed 75°F/50% RH (relative humidity). Failure to maintain these conditions may result in operational and/or performance issues**

Premier Flammable Storage *Refrigerator & Freezer*

The Premier Flammable Storage Refrigerator and Freezer meet NFPA and OSHA guidelines 45 and 70 for the refrigerated storage of flammable (volatile) materials in general laboratory work areas.

These units feature a microprocessor temperature controller and display, allowing for precise temperature control, verification and recovery versus mechanical style thermostats. Critical samples and supplies are security backed with an extensive package of audible and visual alarms.

The temperature display and alarm module offers an array of robust security features with a monitoring and alarm system that is 100% independent of a microprocessor temperature controller.

There are no electrical components located in the interior of the unit and the compressor's electrical components have been sealed in a vapor-proof enclosure for additional safety.

These units are NOT designed for use in environments where volatile/ explosive conditions could potentially exist.

For Manual Defrost Freezers, periodic manual defrosting is required.



The Premier Flammable Material Storage Refrigerator and Freezer's temperature display and alarm module offer an array of robust security features with a monitoring and alarm system that is 100% independent of a microprocessor temperature controller.



ABT-FFP-30

Refrigerator Model	Ft³	Defrost	Doors	Shelves	W"	D"	H"	RL	H.P.	Amps
ABT-FRP-30	30	Cycle	1 Solid	5 Adj.	35 ¾	35	76 ¾	R404a	1/3	6
Freezer Model										
ABT-FFP-30	30	Manual	1 Solid	4 Fixed	35 ½	35	76 ¾	R404a	1/3	6

Specifications are subject to change.

- Microprocessor Temperature Controller
- Adjustable operating temperature range:
  Refrigerator: 1°C to 10°C
  Freezer: -15°C to -25°C
- Standard digital temperature display and alarm module with battery back-up to support temperature monitoring and alarms
- Remote alarm contacts
- Adjustable temperature display in Celsius or Fahrenheit
- Keyed door lock
- Sensor error alarm
- Power failure alarm
- Resettable 1-point Min/Max History
- Sample simulated digital temperature display; .1° Resolution
- Audible and visual high/low temperature alarms
- Magnetic door gasket for positive seal
- Heavy duty stainless steel door handle
- Leveling legs
- One probe access port (3/8")
- White textured cabinet and door
- Defrost:
  Refrigerator: Cycle defrost
  Freezer: Manual defrost
- High density urethane foam cabinet and door insulation
- CFC-free refrigerant, foam insulation and packaging
- Two year parts and labor warranty
- UL/C-UL listed
- Units meet NFPA guidelines 45 and 70
- **NOTE: All products are designed to operate in ambient room temperatures not to exceed 75°F/50% RH (relative humidity). Failure to maintain these conditions may result in operational and/or performance issues**

Premier Flammable Storage with Natural Refrigerants
Refrigerators & Freezers

The Premier Flammable Storage Refrigerators and Freezers with Natural Refrigerants are purpose-built for scientific and medical applications. These units meet NFPA and OSHA guidelines 45 and 70 for the refrigerated storage of flammable (volatile) materials in general laboratory work areas.

The temperature display and alarm module offers product security with a monitoring and alarm system. Real-time sample simulated temperatures are constantly displayed and supported by audible/visual high and low temperature alarms. Remote alarm dry contacts and an access port are provided to simplify connections to existing facility monitoring systems.

There are no electrical components located in the interior of the unit and the compressor's electrical components have been sealed in a vapor-proof enclosure for additional safety.

These units are NOT designed for use in environments where volatile/explosive conditions could potentially exist.

For Manual Defrost Freezers, periodic manual defrosting is required.

Freestanding models require 4" of clearance around back and sides of the unit for proper ventilation. Improper installation will void the warranty and will lead to temperature maintenance issues, overheating and possible failure.

Environmentally friendly, natural hydrocarbon (HC) refrigerants which vastly reduce global-warming potential while meeting new EPA/SNAP mandates

Both units feature digital displays, alarms and remote alarm contacts



ABT-HC-FRFC-10 | ABT-FRP-04

Refrigerator Model	Ft³	Defrost	Doors	Shelves	W"	D"	H"	RL	H.P.	Amps
ABT-FRP-04	5	Cycle	1 Solid	3 Adj.	23 5/8	24 ¼	32 3/16	R600a	1/9	1.2
ABT-HC-FRFC10	5/4	Cycle/Manual	2 Solid	3 Adj. Ref/2 Adj. Fr	23 5/8	24 ¼	65 3/8	R600a	1/3	5

Specifications are subject to change.

- Microprocessor Temperature Controller
- Adjustable operating temperature range:
  Refrigerator: 1°C to 10°C
  Freezer: -15°C to -25°C
- Digital Temperature Display with sample simulated probe
- Remote alarm contacts
- Adjustable temperature display in Celsius or Fahrenheit
- Keyed door lock
- Audible and visual high/low temperature alarms
- Magnetic door gasket for positive seal
- Integrated door handle
- Leveling legs
- One probe access port (3/8")
- White textured cabinet and door
- High density urethane foam cabinet and door insulation
- HFC-Free refrigerant, foam insulation and packaging



The Premier Flammable Storage Refrigerators and Freezers with Natural Refrigerants take a large step forward in performance offering a digital temperature display and alarm module coupled with a microprocessor temperature controller.





ABT-HC-FFP-20

ABT-HC-FFP-14

Freezer Model	Ft³	Defrost	Doors	Shelves	W"	D"	H"	RL	H.P.	Amps
ABT-FFP-04	4	Manual	1 Solid	2 Fixed	23 5/8	24 ¼	32 3/16	R600a	1/8	1.4
ABT-HC-FFP-14	14	Manual	1 Solid	6 Fixed	23 5/8	24 3/8	73	R290a	1/2	1.96
ABT-HC-FFP-20	20	Manual	1 Solid	6 Fixed	30 ¾	28 ½	74 5/8	R290a	1/2	1.96

Specifications are subject to change.

- Two year parts and labor warranty, plus additional 3 year compressor parts warranty (Excluding 14 & 20 Ft³ models)
- Two year parts and labor warranty (14 & 20 Ft³ models)
- Defrost:
  Refrigerator: Cycle defrost
  Freezer: Manual defrost
- UL/C-UL listed
- Units meet NFPA guidelines 45 and 70
- **NOTE: Units require 4" of clearance on sides and back for adequate ventilation**
- **NOTE: All products are designed to operate in ambient room temperatures not to exceed 75°F/50% RH (relative humidity). Failure to maintain these conditions may result in operational and/or performance issues**

Standard Flammable Storage *Refrigerators & Freezer*

Standard Flammable Storage Refrigerators & Freezer meet NFPA and OSHA guidelines 45 and 70 for the refrigerated storage of flammable (volatile) materials in general laboratory work areas.

There are no electrical components located in the interior of the unit and the compressor's electrical components have been sealed in a vapor-proof enclosure for additional safety.

These units are NOT designed for use in environments where volatile/explosive conditions could potentially exist.

For Manual Defrost Freezers, periodic manual defrosting is required.



Units meet National Fire Protection Association guidelines 45 and 70

Mechanical thermostat with adjustable operating temperature range

ABT-FRS-30

ABT-FRCS-30

Refrigerator Model	Ft^3	Defrost	Doors	Int Doors	Shelves	W"	D"	H"	RL	H.P.	Amps
ABT-FRS-30	30	Cycle	1 Solid	0	5 Adj.	35 ¾	35 ½	72 ½	R404a	1/3	6
ABT-FRCS-30	30	Cycle/Manual	1 Solid	1 Freezer	3 Adj.	35 ¾	35 ½	72 ½	R404a	1/3	6
Freezer Model	**Ft^3**	**Defrost**	**Doors**	**Int Doors**	**Shelves**	**W"**	**D"**	**H"**	**RL**	**H.P.**	**Amps**
ABT-FFS-30	30	Manual	1 Solid	0	4 Fixed	35 ¾	35 ½	72 ½	R404a	1/3	6

Specifications are subject to change.

- Mechanical thermostat
- Adjustable operating temperature range:
  Refrigerator: 1°C to 10°C
  Freezer: -15°C to -25°C
- Keyed door lock
- Magnetic door gasket for positive seal
- Heavy duty door handle
- Leveling legs
- Probe access port (3/8")
- White textured cabinet and door
- High density urethane foam cabinet and door insulation
- CFC-free refrigerant, foam insulation and packaging
- One year parts and labor warranty
- Defrost:
  Refrigerator: Cycle defrost
  Freezer: Manual defrost
- UL/C-UL listed
- Units meet NFPA guidelines 45 and 70
- **NOTE: All products are designed to operate in ambient room temperatures not to exceed 75°F/50% RH (relative humidity). Failure to maintain these conditions may result in operational and/or performance issues**

Hazardous Location (Explosion Proof) *Refrigerator & Freezer*

Standard Hazardous Material Storage (Explosion Proof) Refrigerators & Freezer meet NFPA and OSHA guidelines for Hazardous Locations, Class 1, Division II, Group C & D. These units are engineered for use in environments where volatile / explosive conditions could potentially exist.

They are not intended for common lab/room environments that are not designed to be explosion proof (See: Flammable Material units).

Units are designed with no internal electrical components and all external components are sealed per NFPA and OSHA guidelines. Units must be hard wired in conduit to 120VAC power source.

For Manual Defrost Freezers, periodic manual defrosting is required.

Power cords with plugs are NOT ACCEPTABLE.



ABT-EFS-30

Refrigerator Model	Ft³	Defrost	Doors	Int Doors	Shelves	W"	D"	H"	RL	H.P.	Amps
ABT-ERS-30	30	Cycle	1 Solid	0	5 Adj.	35 ¾	35	77 ½	R404a	1/3	6
ABT-ERCS-30	30	Cycle/Manual	1 Solid	1 Freezer	3 Adj-Ref	35 ¾	35	77 ½	R404a	1/3	6
Freezer Model	**Ft³**	**Defrost**	**Doors**	**Int Doors**	**Shelves**	**W"**	**D"**	**H"**	**RL**	**H.P.**	**Amps**
ABT-EFS-30	30	Manual	1 Solid	0	4 Fixed	35 ¾	35	77 ½	R404a	1/3	6

Specifications are subject to change.

- Mechanical thermostat sealed in UL listed explosion proof box
- Adjustable operating temperature range:
  Refrigerator: 1°C to 10°C
  Freezer: -15°C to -25°C
- Keyed door lock
- Magnetic door gasket for positive seal
- Heavy duty door handle
- Leveling legs
- White textured cabinet and door
- Defrost:
  Refrigerator: Cycle defrost
  Freezer: Manual defrost
- High density urethane foam cabinet and door insulation
- CFC-free refrigerant, foam insulation and packaging
- Not equipped with line cord and plug; must be hard wired in conduit to 120 VAC power source
- UL/C-UL listed
- One year parts and labor warranty
- Meet NFPA and OSHA guidelines for hazardous locations, Class 1, Division II, Group C & D.
- **These units are not intended for use in general clinical or research laboratories.**
- **NOTE: All products are designed to operate in ambient room temperatures not to exceed 75°F/50% RH (relative humidity). Failure to maintain these conditions may result in operational and/or performance issues**

Premier Built-in Undercounter
Refrigerators & Freezers

The Premier Built In Undercounter Refrigerators and Freezers feature a microprocessor temperature controller and display, which allows for precise temperature control, verification and recovery versus mechanical style thermostats.

An interior fan driven, forced-draft air circulation system provides excellent temperature uniformity and recovery after door openings (Refrigerators Only).

The standard temperature display and alarm module offers product security with a monitoring and alarm system. Real-time sample simulated temperatures are constantly displayed and supported by audible/visual high and low temperature alarms. Remote alarm dry contacts and an access port are provided to simplify connections to existing facility monitoring systems.

For Manual Defrost Freezers, periodic manual defrosting is required.

The Undercounter Built-in models ("UCBI") are designed with a "front-breathing" ventilation system, eliminating the need for clearance around the top and sides of the unit; enabling the user to incorporate these units into cabinets and other applications where free space is limited.

Environmentally friendly, natural hydrocarbon (HC) refrigerants which vastly reduce global-warming potential while meeting new EPA/SNAP mandates



ABT-HC-UCBI-0404G-ADA-LH

Refrigerator Model	Ft³	Defrost	Doors	Shelves	W"	D"	H"	RL	H.P.	Amps
ABT-HC-UCBI-0204	2.5	Cycle	1 Solid	4 Adj.	17 ¾	22 ¾	30 ¾	R600a	1/8	0.9
ABT-HC-UCBI-0204-LH	2.5	Cycle	1 Solid LH	4 Adj.	17 ¾	22 ¾	30 ¾	R600a	1/8	0.9
ABT-HC-UCBI-0404SS	4.5	Cycle	1 Solid	2 Adj./1 Fixed	23 ¾	24 ½	33 3/8	R600a	1/8	1.74
ABT-HC-UCBI-0404SS-LH	4.5	Cycle	1 Solid LH	2 Adj./1 Fixed	23 ¾	24 ½	33 3/8	R600a	1/8	1.74
ABT-HC-UCBI-0404	4.6	Cycle	1 Solid	2 Adj./1 Fixed	23 ¾	24 ½	33 3/8	R600a	1/8	1.74
ABT-HC-UCBI-0404-LH	4.6	Cycle	1 Solid LH	2 Adj./1 Fixed	23 ¾	24 ½	33 3/8	R600a	1/8	1.74
ABT-HC-UCBI-0404G	4.6	Cycle	1 Glass	2 Adj./1 Fixed	23 ¾	25 ½	33 3/8	R600a	1/8	1.74
ABT-HC-UCBI-0404G-LH	4.6	Cycle	1 Glass LH	2 Adj./1 Fixed	23 ¾	25 ½	33 3/8	R600a	1/8	1.74
ABT-HC-UCBI-0404-ADA	4.6	Cycle	1 Solid	2 Adj./1 Fixed	23 ¾	24 ½	31 15/16	R600a	1/8	1.74
ABT-HC-UCBI-0404-ADA-LH	4.6	Cycle	1 Solid LH	2 Adj./1 Fixed	23 ¾	24 ½	31 15/16	R600a	1/8	1.74
ABT-HC-UCBI-0404G-ADA	4.6	Cycle	1 Glass	2 Adj./1 Fixed	23 ¾	25 ½	31 15/16	R600a	1/8	1.74
ABT-HC-UCBI-0404G-ADA-LH	4.6	Cycle	1 Glass LH	2 Adj./1 Fixed	23 ¾	25 ½	31 15/16	R600a	1/8	1.74

Specifications are subject to change.

- Microprocessor temperature controller
- Digital temperature display with sample simulated probe
- Audible and visual high and low temperature alarms
- Remote alarm contacts
- Back wall evaporator cover (refrigerators only)
- Forced draft circulation (refrigerators only)
- Probe access port (3/8")
- Adjustable operating temperature range:
  Refrigerator: 1°C to 10°C
  Freezer: -15°C to -25°C
- Keyed door lock
- Magnetic door gasket for positive seal
- Leveling legs
- High density urethane foam cabinet and door insulation



The Premier Built-in Undercounter Refrigerators and Freezers take a large step forward in performance offering a digital temperature display and alarm module coupled with a microprocessor temperature controller.



Digital display can show air or sample temperatures



Front venting design allows units to be completely enclosed in case work

ABT-HC-UCBI-0420

ABT-HC-UCBI-0420SS-LH

***DISCLAIMER: Auto defrost freezers incorporate an electric heater installed on the evaporator that assists in the removal of the frost and ice. Although the heater helps speed up the frost and ice removal, it can raise the temperatures within the freezer.**

Freezer Model	Ft^3	Defrost	Doors	Shelves	W"	D"	H"	RL	H.P.	Amps
ABT-HC-UCBI-0420	4.2	Manual	1 Solid	2 Fixed	23 ¾	24 ½	33 3/8	R600a	1/8	1.5
ABT-HC-UCBI-0420-LH	4.2	Manual	1 Solid LH	2 Fixed	23 ¾	24 ½	33 3/8	R600a	1/8	1.5
ABT-HC-UCBI-0420-ADA	4.2	Manual	1 Solid	2 Fixed	23 ¾	24 ½	31 15/16	R600a	1/8	1.5
ABT-HC-UCBI-0420-ADA-LH	4.2	Manual	1 Solid LH	2 Fixed	23 ¾	24 ½	31 15/16	R600a	1/8	1.5
ABT-HC-UCBI-0420SS	4.2	Manual	1 Solid	2 Fixed	23 ¾	24 ½	33 3/8	R600a	1/8	1.5
ABT-HC-UCBI-0420SS-LH	4.2	Manual	1 Solid LH	2 Fixed	23 ¾	24 ½	33 3/8	R600a	1/8	1.5
*ABT-HC-UCBI-0420A	4.2	Auto	1 Solid	3 Adj.	23 ¾	24 ½	33 3/8	R290	1/8	1.8
*ABT-HC-UCBI-0420A-LH	4.2	Auto	1 Solid LH	3 Adj.	23 ¾	24 ½	33 3/8	R290	1/8	1.8

Specifications are subject to change.

- Defrost:
  Refrigerator: Cycle defrost
  Freezer: Auto & Manual defrost available
- HFC-free refrigerant, foam insulation and packaging
- Two year parts and labor warranty; plus additional three year compressor parts warranty
- UL/C-UL listed

- **NOTE: All products are designed to operate in ambient room temperatures not to exceed 75°F/50% RH (relative humidity). Failure to maintain these conditions may result in operational and/or performance issues**

Premier Freestanding Undercounter
Refrigerators & Freezers

The Premier Freestanding Undercounter Refrigerators and Freezers feature a microprocessor temperature controller and display, which allows for precise temperature control, verification and recovery versus mechanical style thermostats.

An interior fan driven, forced-draft air circulation system provides excellent temperature uniformity and recovery after door openings (Refrigerators Only).

The standard temperature display and alarm module offers product security with a monitoring and alarm system. Real-time sample simulated temperatures are constantly displayed and supported by audible/visual high and low temperature alarms. Remote alarm dry contacts and an access port are provided to simplify connections to existing facility monitoring systems.

For Manual Defrost Freezers, periodic manual defrosting is required.

Freestanding models ("UCFS") require 4" of clearance around back and sides of the unit for proper ventilation. Improper installation will void the warranty and will lead to temperature maintenance issues, overheating and possible failure.

Environmentally friendly, natural hydrocarbon (HC) refrigerants which vastly reduce global-warming potential while meeting new EPA/SNAP mandates



ABT-HC-UCFS-0430

Refrigerator Model	Ft³	Defrost	Doors	Shelves	W"	D"	H"	RL	H.P.	Amps
ABT-HC-UCFS-0104	1	Cycle	1 Solid	2 Adj.	17 ¼	19 ¼	21 ¼	R600a	1/8	.90
ABT-HC-UCFS-0104-LH	1	Cycle	1 Solid LH	2 Adj.	17 ¼	19 ¼	21 ¼	R600a	1/8	.90
ABT-HC-UCFS-0104G	1	Cycle	1 Glass	2 Adj.	17 ¼	19 ¼	21 ¼	R600a	1/8	.90
ABT-HC-UCFS-0104G-LH	1	Cycle	1 Glass LH	2 Adj.	17 ¼	19 ¼	21 ¼	R600a	1/8	.90
ABT-HC-UCFS-0204	2.5	Cycle	1 Solid	4 Adj.	17 ¾	19 ½	28 7/8	R600a	1/8	.90
ABT-HC-UCFS-0204G	2.5	Cycle	1 Glass	4 Adj.	17 ¾	19 ½	28 7/8	R600a	1/8	.90
ABT-HC-UCFS-0504	5.2	Cycle	1 Solid	3 Adj.	23 ¾	24	32 1/8	R600a	1/6	1.3
ABT-HC-UCFS-0504G	5.2	Cycle	1 Glass	3 Adj.	23 ¾	24	32 1/8	R600a	1/6	1.3

Specifications are subject to change.

- Microprocessor temperature controller
- Adjustable operating temperature range:
  Refrigerator: 1°C to 10°C
  Freezer: -15°C to -25°C
- Digital temperature display with sample simulated probe
- Audible and visual high and low temperature alarms
- Remote alarm contacts
- Back wall evaporator cover
- Forced draft circulation (refrigerators only)
- Keyed door lock
- Magnetic door gasket for positive seal
- Leveling legs
- Probe access port (3/8")
- High density urethane foam cabinet and door insulation
- HFC-free refrigerant (R600a), foam insulation and packaging



The Premier Freestanding Undercounter Refrigerators and Freezers take a large step forward in performance offering a digital temperature display and alarm module coupled with a microprocessor temperature controller.





ABT-HC-UCFS-0104G | ABT-HC-UCFS-0120 | ABT-HC-UCFS-0204

***DISCLAIMER: Auto defrost freezers incorporate an electric heater installed on the evaporator that assists in the removal of the frost and ice. Although the heater helps speed up the frost and ice removal, it can raise the temperatures within the freezer.**

Freezer Model	Ft^3	Defrost	Doors	Shelves	W"	D"	H"	RL	H.P.	Amps
*ABT-HC-UCFS-0120A	1.3	Auto	1 Solid	2 Adj.	23 ¾	24	20 3/8	R600a	1/8	1
*ABT-HC-UCFS-0120A-LH	1.3	Auto	1 Solid LH	2 Adj.	23 ¾	24	20 3/8	R600a	1/8	1
ABT-HC-UCFS-0120	1.7	Manual	1 Solid	2 Adj.	23 ¾	24	20 3/8	R600a	1/8	1
ABT-HC-UCFS-0120-LH	1.7	Manual	1 Solid LH	2 Adj.	23 ¾	24	20 3/8	R600a	1/8	1
ABT-HC-UCFS-0430	4	Manual	1 Solid	3 Adj.	23 ¾	24	32 1/8	R290	¼	2.2
ABT-HC-UCFS-0440	4	Manual	1 Solid	3 Adj.	23 ¾	24	32 1/8	R290	¼	2.2

Specifications are subject to change.

- Defrost:
  Refrigerator: Cycle defrost
  Freezer: Auto & Manual defrost available
- Two year parts and labor warranty, plus an additional three year compressor parts warranty
- ADA compliant units available
- UL/C-UL listed
- Energy Star Certified

- **Note: Units must have 4" clearance on sides and back for adequate ventilation**
- **NOTE: All products are designed to operate in ambient room temperatures not to exceed 75°F/50% RH (relative humidity). Failure to maintain these conditions may result in operational and/or performance issues**

Premier Dual Temperature
Refrigerator/Freezer Combinations

The Premier Dual Temp Combination Refrigerator/Freezers feature separate microprocessor temperature controller allowing for precise temperature control, verification and recovery.

All models are equipped with digital temperature displays for convenient monitoring. Critical samples and supplies are security backed with an extensive package of audible and visual alarms.

The refrigerator units feature an interior fan driven, forced-draft air circulation system provides excellent temperature uniformity and recovery after door openings

The freezer units feature either an automatic or manual defrost operating system. **For Manual Defrost Freezers, periodic manual defrosting is required.**

The RFC-9 and RFC-9SS models are designed with a "front-breathing" ventilation system, eliminating the need for clearance around the top and sides of the unit; enabling the user to incorporate these units into cabinets and other applications where free space is limited. All other models require 4" of clearance around back and sides of the unit for proper ventilation. Improper installation will void the warranty and will lead to temperature maintenance issues, overheating and possible failure.

Environmentally friendly, natural hydrocarbon (HC) refrigerants which vastly reduce global-warming potential while meeting new EPA/SNAP mandates (Select models only)



ABT-HC-RFC12 | ABT-HC-RFC12GA

- Microprocessor temperature controller, refrigerator and freezer
- Digital temperature display, refrigerator and freezer
- Adjustable operating temperature range:
  Refrigerator: 1°C to 10°C
  Freezer: -15°C to -25°C
- Audible and visual high and low temperature alarms, refrigerator and freezer
- Remote alarm contacts, refrigerator and freezer
- Forced draft circulation Refrigerator
- Keyed door locks
- Magnetic door gasket for positive seal
- Leveling legs
- Two probe access ports (3/8"); one, refrigerator/one, freezer
- White powder coated exterior
- Two independent mechanical Refrigeration systems; 1 compressor - Refrigerator, 1 compressor - Freezer



The Premier Dual Temperature Refrigerator/Freezer Combinations take a large step forward in performance offering a digital temperature display and alarm module coupled with a microprocessor temperature controller.





2 probes; 1 in air and 1 in sample simulated bottle in both Refrigerator and freezer (excluding ABT-RFC-16A)

Completely independent display, alarm and compressor

ABT-HC-RFC9



Independent refrigerator and freezer displays, alarms, and refrigeration systems

ABT-HC-RFC7

***DISCLAIMER: Auto defrost freezers incorporate an electric heater installed on the evaporator that assists in the removal of the frost and ice. Although the heater helps speed up the frost and ice removal, it can raise the temperatures within the freezer.**

Combination Model	Ft^3	Defrost	Doors	Shelves	W"	D"	H"	RL
*ABT-HC-RFC7A	5.2/1.3	Cycle/Auto	1 Glass Ref/1 Solid Fr	3 Adj. Ref/2 Adj. Fr	23 ¾	24 ¼	53 1/8	R600a
ABT-HC-RFC7	5.2/1.7	Cycle/Manual	1 Glass Ref/1 Solid Fr	3 Adj. Ref/2 Adj. Fr	23 ¾	24 ¼	53 1/8	R600a
ABT-HC-RFC9SS	4.5/4.2	Cycle/Manual	2 Solid	2 Adj., 1 Fixed Ref/2 Fixed Fr	23 ¾	24 ½	66 ¾	R600a
ABT-HC-RFC9SS-LH	4.5/4.2	Cycle/Manual	2 Solid	2 Adj., 1 Fixed Ref/2 Fixed Fr	23 ¾	24 ½	66 ¾	R600a
ABT-HC-RFC9	4.6/4.2	Cycle/Manual	2 Solid	2 Adj., 1 Fixed Ref/2 Fixed Fr	23 ¾	24 ½	66 ¾	R600a
ABT-HC-RFC9-LH	4.6/4.2	Cycle/Manual	2 Solid	2 Adj., 1 Fixed Ref/2 Fixed Fr	23 ¾	24 ½	66 ¾	R600a
ABT-HC-RFC9G	4.6/4.2	Cycle/Manual	1 Glass Ref/1 Solid Fr	2 Adj., 1 Fixed Ref/2 Fixed Fr	23 ¾	25 ½	66 ¾	R600a
ABT-HC-RFC9G-LH	4.6/4.2	Cycle/Manual	1 Glass Ref/1 Solid Fr	2 Adj., 1 Fixed Ref/2 Fixed Fr	23 ¾	25 ½	66 ¾	R600a
*ABT-HC-RFC12A	10.5/1.3	Cycle/Auto	2 Solid	6 Adj. Ref/2 Adj. Fr	23 ¾	26 ½	80 ¼	R600a
*ABT-HC-RFC12GA	10.5/1.3	Cycle/Auto	1 Glass Ref/1 Solid Fr	6 Adj. Ref/2 Adj. Fr	23 ¾	26 ½	80 ¼	R600a
ABT-HC-RFC12	10.5/1.7	Cycle/Manual	2 Solid	6 Adj. Ref/2 Adj. Fr	23 ¾	26 ½	80 ¼	R600a
ABT-HC-RFC12G	10.5/1.7	Cycle/Manual	1 Glass Ref/1 Solid Fr	6 Adj. Ref/2 Adj. Fr	23 ¾	26 ½	80 ¼	R600a
*ABT-RFC-16A	13/3	Cycle/Auto	2 Solid	1 Fixed Fr/3 Adj. Ref	29 ½	34 ¾	78	R134a

Specifications are subject to change.

- HFC-free refrigerant (R600a) excluding the ABT-RFC-16A, foam insulation and packaging
- Defrost:
  Refrigerator: Cycle defrost
  Freezer: Auto & Manual defrost available
- Two year parts and labor warranty, plus an additional three year compressor parts warranty
- UL/C-UL listed

- **Please note these units (excluding the ABT-RFC-16A) require 2 outlets.**
- **NOTE: All products are designed to operate in ambient room temperatures not to exceed 75°F/50% RH (relative humidity). Failure to maintain these conditions may result in operational and/or performance issues**

General Purpose
Refrigerators & Freezer

General Purpose Laboratory Refrigerators and Freezers are intended for General Purpose Applications where the precision of a microprocessor temperature controller and security alarms are not required.

General Purpose Refrigerators and Freezers are not intended for high value laboratory supplies, biologicals and pharmaceuticals where precise temperature controls, maintenance and monitoring displays/alarms are required.

Designed specifically for General Purpose applications where precise temperature control, maintenance and alarms are not necessary.

Freestanding models ("UCFS") require 4" of clearance around back and sides of the unit for proper ventilation. Improper installation will void the warranty and will lead to temperature maintenance issues, overheating and possible failure.



ABT-30R

Environmentally friendly, natural hydrocarbon (HC) refrigerants which vastly reduce global-warming potential while meeting new EPA/SNAP mandates (Select models only)

***DISCLAIMER: Auto defrost refrigerators and freezers incorporate an electric heater installed on the evaporator that assists in the removal of the frost and ice. Although the heater helps speed up the frost and ice removal, it can raise the temperatures within the freezer.**

Refrigerator Model	Ft^3	Defrost	Doors	Shelves	W"	D"	H"	RL	H.P.	Amps
ABT-HC-UCFS-0504W	5	Cycle	1 Solid	2 Adj./ 1 Fixed	20 ¼	22	31 ½	R600a	1/7	0.9
*ABT-30R	30	Auto	1 Solid	5 Adj.	35 ½	34 ¼	72 ½	R134a	1/3	6.8
Combination Model										
ABT-RFC-3M	3	Manual/Cycle	2 Solid	1 Bin/ 1 Fixed/1 Adj. Ref	19	19 ½	33 ¾	R134a	1/6	1.3
*ABT-HC-RFC-15A	14	Auto/Cycle	2 Solid	1 Adj./ 1 Adj. / 1 Fixed	27 ⅜	29	60 ⅜	R600a		1.1
*ABT-RFC-20A	20	Auto/Cycle	2 Solid	2 Adj./ 1 Fixed	30	34 ½	68 ½	R134a	1/4	6
ABT-RFC-30M	30	Manual	1 Solid	3 Adj. Ref	35 ¾	35 ½	72 ½	R404a	1/3	6
Freezer Model										
ABT-HC-UCFS-0220M	1.5	Manual	1 Solid	1 Fixed	18 ½	19 ½	19 ½	R600a	1/10	1.1
ABT-HC-UCFS-0420W	4	Manual	1 Solid	2 Fixed	20 ¼	21 5/8	31 ½	R600a	1/7	0.9

Specifications are subject to change.

- Mechanical thermostat
- Temperature range:
  Refrigerator: 0°C to 10°C
  Freezer: -15°C to -25°C
- Keyed door lock
- Magnetic door gasket for positive seal
- Leveling legs
- Probe access port (3/8")
- High density urethane foam cabinet insulation
- One year parts and labor warranty ("UCFS" only)



Powder coated paint exterior

ABT-RFC-20A



ABT-HC-UCFS-0504W

Designed specifically for General Purpose applications; where precise temperature control, maintenance and alarms are not necessary

- Two year parts and labor warranty, plus an additional three year compressor parts warranty (excluding "UCFS")
- Defrost:
  Refrigerator: Cycle & Auto defrost available
  Freezer: Auto & Manual defrost available
- UL/C-UL listed
- **NOTE: All products are designed to operate in ambient room temperatures not to exceed 75°F/50% RH (relative humidity). Failure to maintain these conditions may result in operational and/or performance issues**

Accessories

USB Temperature Monitoring Devices



ABS-DDL1-18 ABS-DDL2-18

- Available in either single or dual probe
- Complies with current CDC guidelines
- “Buffered” Probe in sample simulated solution
- °F/°C Switchable
- Min/Max historical temp point
- Operating temperature range: -58°F to 140°F
- Accuracy of +/- .25°C
- Readout solution 0.01
- Audible, Visual, and High/Low Temperature Alarms
- Low Battery indicator
- Temperature Data downloaded via USB drive
- User programmable Logging interval
- Store up to 3 years of data
- 3 years Certificate of Calibration

WiFi Temperature Monitoring Device



ABS-WF-DDL1-18

- Dual probe
- Complies with current CDC guidelines
- “Buffered” Probe in sample simulated solution
- °F/°C Switchable
- Min/Max historical temperature point
- Operating temperature range: -58°F to 140°F
- Accuracy of +/- .25°C
- Readout solution 0.01
- Audible, Visual, and High/Low Temperature Alarms
- Low Battery indicator
- Temperature Data downloaded via WiFi network
- User programmable Logging interval
- Store up to 3 years of data
- 3 years Certificate of Calibration

Extra Shelves



- All of our units come standard with a varying number of shelves depending on the model
- To maximize your storage needs and requirements, please consult with our customer service experts to discuss adjustable half shelf and full shelf options that may be available for your particular unit.

Single Door Upright Keyless Access Locks



- Compatible with all 12-26 ft³ upright refrigerators and freezers
- Includes 6-AA batteries
- Low battery indicator
- Easy to clean keypad
- Can hold any combination of up to 250 supervisor and user codes
- **FACTORY INSTALL ONLY**
- Made in the USA
- One year manufacturer's warranty

Undercounter Keyless Access Locks



- Locks are available for both Built-in and Freestanding undercounter refrigerators and freezers
- Battery compartment is easily accessible from outside of the cabinet
- Includes 2-AAA batteries
- Low battery indicator
- Easy to clean keypad
- Locks must have 1 supervisor code and up to 19 user codes
- **FACTORY INSTALL ONLY**
- One year manufacturer's warranty

Stacking Kits



- Our combination refrigerator/freezer models come standard with stacking kit and hardware
- To ensure safety, please consult with our customer service experts to discuss stacking compatibility and options on other models

Efficient, reliable choices.

Meeting your application and budget, laboratory cold storage applications can vary greatly. Whatever the requirement, ABS® offers a comprehensive choice of purpose-built laboratory and pharmacy refrigerators and freezers to help satisfy the requirements of a specific application while easing demand on your budget.



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