true cooling specialists



BIOMEDICAL REFRIGERATOR

ARCTIKO's PRE 490-US upright pharmaceutical refrigerator is a cutting-edge solution designed to meet the stringent requirements of pharmaceutical applications. This upright fridge boasts a capacity of 17.23 ft³, and features a glass door that not only enhances visibility but also incorporates double-pane technology to reduce ambient heat impact and ensures optimal temperature uniformity.

ARCTIKO's Flexaline is unique in this field with an integrated data logger for extra security.

ENERGY STAR CERTIFIED

Energy Star certified, guaranteeing exceptional energy efficiency and reduced environmental impact, while maintaining superior performance in temperaturesensitive storage applications.

▶ INTEGRATED DATA LOGGER

Integrated data logger, providing accurate monitoring of temperature conditions. This allows for precise data recording and analysis, ensuring optimal storage conditions for critical samples and maintaining regulatory compliance.

▶ FORCED AIR COOLING

Forced air cooling provides excellent temperature stability. Forcing the airflow around the stored items ensures quick temperature recovery after door openings.

KEY LOCK SECURITY

Equipped with a secure key lock, providing an added layer of protection for valuable contents and preventing unauthorized access. This feature ensures the integrity and confidentiality of stored items, making it ideal for environments where security is paramount.

► SNAP/EPA COMPLIANT REFRIGERANT

Utilizes refrigerants that are fully compliant with the Environmental Protection Agency (EPA) and the Significant New Alternatives Policy (SNAP) regulations, ensuring environmentally responsible operation without compromising performance or safety.



DATA LOGGER



Microprocessor controller with visual and acoustic

alarms, high/low temperature alarm, open door alarm, and

Adjustable shelves for flexible storage



USB PORT



FORCED AIR COOLING



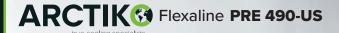
ADJUSTABLE SHELVES





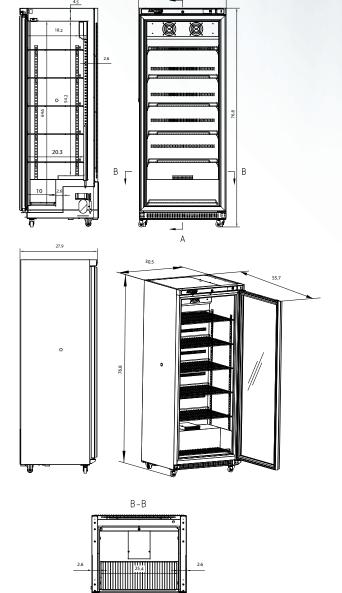
All models feature durable and cost-saving, customizable LED lighting for improved sample visibility.

^{*} The pictures shown are for reference only, actual product size may vary. Please read the dimensions of the product in the specifications



The ARCTIKO Flexaline series includes the following features, and more:

- Energy star certified
- SNAP/EPA compliant refrigerant
- Built-in data logger
- Key lock
- Microprocessor controller
- Adjustable shelves
- Automatic defrost
- Access port for external sensor
- Anti freeze thermostat



		MODEL	PRE 490-US
Max Ambient temperature (°C)	Main specifications	Item code	1900023-01
Capacity (it.)		Temperature range (°C)	+2 / +8 °C
Capacity (cu.FT) 1723 17		Max Ambient temperature (°C)	+32 °C
Insulation (Inches) 2.56		Capacity (L)	488
Insulation (Inches) 2.56		Capacity (cu.FT)	17.23
Insulation (Inches) 2.56		Exterior dimensions WxDxH (inches)	31 x 28 x 77
Insulation (Inches) 2.56		Interior dimensions WxDxH (inches)	25 x 20 x 65
Cooling technology		Weight (lb)	267
Controller model / probe type		Insulation (Inches)	2.56
Power supply (V)		Cooling technology	Forced Air
Plug Type		Controller model / probe type	Honker / NTC
Toda Length Cord Length Cord Length Frequency (Hz) Power consumption (kWh/24h) AMP (A) Power (Watt) Horsepower (HP) Visual / acoustic alarm Power failure alarm Adjustable high / low-temperature alarm Probe failure alarm Yes Open door alarm Probe failure alarm Ves Voltage-free contact for remote alarm (e.g. GSM alarm module) Electronic data logger Voltage-free contact for remote alarm (e.g. GSM alarm module) For the service of the ser		Power supply (V)	110
Frequency (Hz) 60 Power consumption (kWhr/24h) 3.2 AMP (A) 2.5 Power (Watt) 225 Horsepower (HP) 1/3 Visual / acoustic alarm Yes / Yes Power failure alarm Yes / Yes Adjustable high / low-temperature alarm Yes Probe failure alarm Yes Low battery alarm Yes Voltage-free contact for remote alarm (e.g. GSM alarm module) Yes Electronic data logger Yes USB port for software update & data download Yes Automatic defrost Yes Antifreeze function Yes Access port for external probe etc. (int. diameter "In") 0.79 Light Lock with key Yes Castors (total pcs) / castors with brake (pcs) 4/2 Max. no. of shelves / recommended max. no. of shelves (pcs) 7/7 Max load per shelf (b) 68 Number of compressors 1 Refrigerant Re600a Butterior cabinet material Galvanized settle powder coating Colour (exterior cabinet) White Foam type Cyclopentane Shipping weight (ib) 306 Shipping dimensions WxDxH (inches) 33 x 30 x 80	Power	Plug Type	5-15P
Power consumption (kWh/24h) AMP (A) Power (Watt) Horsepower (HP) Visual / acoustic alarm Power failure alarm Pome failure alarm Pres Adjustable high / low-temperature alarm Pres Automatic defrost Antifreze function Access port for external probe etc. (int. diameter "In") Do.79 Light Lock with key Pome failure alarm Pres Adjustable high for software update & data download Pres Antifreze function Access port for external probe etc. (int. diameter "In") Do.79 Light Lock with key Poss Castors (total pos) / castors with brake (pcs) Antifreze function Access port for external probe etc. (int. diameter "In") Do.79 Light Lock with key Poss Advantice defrost Antifreze function Access port for external probe etc. (int. diameter "In") Do.79 Light Lock with key Poss Advantice defrost Antifreze function Access port for external probe etc. (int. diameter "In") Do.79 Light Lock with key Poss Advantice failure alarm Pres Antifreze function Access port for external probe etc. (int. diameter "In") Do.79		Cord Length	2.0 m
AMP (A) 2.5 Power (Watt) 225 Horsepower (HP) 1/3 Visual / acoustic alarm 7/8s / Yes Power failure alarm 7/8s / Yes Open door alarm 7/8s / Yes Open door alarm 7/8s / Yes Low battery alarm 7/8s Low battery alarm 8/8s Low battery alarm 8/9s Low battery alarm 8/9s Low battery alarm 9/8s Low battery al		Frequency (Hz)	60
Power (Watt) Horsepower (HP) 1/3 Visual / acoustic alarm Power failure alarm Adjustable high / low-temperature alarm Probe failure alarm Adjustable high / low-temperature alarm Probe failure alarm Probe failure alarm Probe failure alarm Probe failure alarm Ves Uottage-free contact for remote alarm (e.g. GSM alarm module) Fost lectronic data logger USB port for software update & data download Pres Automatic defrost Antifreeze function Access port for external probe etc. (int. diameter "In") Castors (total pcs) / castors with brake (pcs) Access port for external probe etc. (int. diameter "In") Access port for e		Power consumption (kWh/24h)	3.2
Horsepower (HP) Visual / acoustic alarm Power failure alarm Adjustable high / low-temperature alarm Probe failure alarm Adjustable high / low-temperature alarm Probe failure alarm Yes Power failure alarm Yes Open door alarm Probe failure alarm Ves Ves Voltage-free contact for remote alarm (e.g. GSM alarm module) Electronic data logger Ves USB port for software update & data download Yes Display type Access port for external probe etc. (int. diameter "In") Lock with key Castors (total pcs) / castors with brake (pcs) Reversible door(s) Fixed shelves (pcs) / adjustable shelves (pcs) Max. no. of shelves / recommended max. no. of shelves (pcs) Max load per shelf (lb) Refrigerant Ref000a Pre-coated aluminum sheet Exterior cabinet material Exterior cabinet material Colour (exterior cabinet) Foam type Shipping weight (lb) Shipping dimensions WXDXH (inches) 33 x 30 x 80		AMP (A)	2.5
Visual / acoustic alarm Yes / Yes		Power (Watt)	225
Power failure alarm Adjustable high / low-temperature alarm Probe failure alarm Pres Probe failure alarm P		Horsepower (HP)	1/3
Low battery alarm Yes Voltage-free contact for remote alarm (e.g. GSM alarm module) Electronic data logger USB port for software update & data download Yes Display type Display type Display type Display type Automatic defrost Antifreeze function Access port for external probe etc. (int. diameter "In") Lock with key Castors (total pcs) / castors with brake (pcs) Electronic data logger Ves Automatic defrost Access port for external probe etc. (int. diameter "In") Lock with key Castors (total pcs) / castors with brake (pcs) Fixed shelves (pcs) / adjustable shelves (pcs) Max. no. of shelves / recommended max. no. of shelves (pcs) Arifice alarminum sheet Exterior cabinet material Exterior cabinet material Colour (exterior cabinet) Foam type Shipping weight (lb) Shipping dimensions WxDxH (inches) 33 x 30 x 80	Alarm functions	Visual / acoustic alarm	Yes / Yes
Low battery alarm Yes Voltage-free contact for remote alarm (e.g. GSM alarm module) Electronic data logger USB port for software update & data download Yes Display type Display type Display type Display type Automatic defrost Antifreeze function Access port for external probe etc. (int. diameter "In") Lock with key Castors (total pcs) / castors with brake (pcs) Electronic data logger Ves Automatic defrost Access port for external probe etc. (int. diameter "In") Lock with key Castors (total pcs) / castors with brake (pcs) Fixed shelves (pcs) / adjustable shelves (pcs) Max. no. of shelves / recommended max. no. of shelves (pcs) Arifice alarminum sheet Exterior cabinet material Exterior cabinet material Colour (exterior cabinet) Foam type Shipping weight (lb) Shipping dimensions WxDxH (inches) 33 x 30 x 80		Power failure alarm	Yes
Low battery alarm Yes Voltage-free contact for remote alarm (e.g. GSM alarm module) Electronic data logger USB port for software update & data download Yes Display type Display type Display type Display type Automatic defrost Antifreeze function Access port for external probe etc. (int. diameter "In") Lock with key Castors (total pcs) / castors with brake (pcs) Electronic data logger Ves Automatic defrost Access port for external probe etc. (int. diameter "In") Lock with key Castors (total pcs) / castors with brake (pcs) Fixed shelves (pcs) / adjustable shelves (pcs) Max. no. of shelves / recommended max. no. of shelves (pcs) Arifice alarminum sheet Exterior cabinet material Exterior cabinet material Colour (exterior cabinet) Foam type Shipping weight (lb) Shipping dimensions WxDxH (inches) 33 x 30 x 80		Adjustable high / low-temperature alarm	Yes / Yes
Low battery alarm Yes Voltage-free contact for remote alarm (e.g. GSM alarm module) Electronic data logger USB port for software update & data download Yes Display type Display type Display type Display type Automatic defrost Antifreeze function Access port for external probe etc. (int. diameter "In") Lock with key Castors (total pcs) / castors with brake (pcs) Electronic data logger Ves Automatic defrost Access port for external probe etc. (int. diameter "In") Lock with key Castors (total pcs) / castors with brake (pcs) Fixed shelves (pcs) / adjustable shelves (pcs) Max. no. of shelves / recommended max. no. of shelves (pcs) Arifice alarminum sheet Exterior cabinet material Exterior cabinet material Colour (exterior cabinet) Foam type Shipping weight (lb) Shipping dimensions WxDxH (inches) 33 x 30 x 80		Open door alarm	Yes
Voltage-free contact for remote alarm (e.g. GSM alarm module) Yes		Probe failure alarm	Yes
Display type Disp		Low battery alarm	Yes
Display type Disp	Data logging & external connection	Voltage-free contact for remote alarm (e.g. GSM alarm module)	Yes
Display type Disp		Electronic data logger	Yes
Automatic defrost Antifreeze function Access port for external probe etc. (int. diameter "In") Digit (Int. diameter "In") Access port for external probe etc. (int. diameter "In") Digit (Int. diameter "Int. diamete		USB port for software update & data download	Yes
Antifreeze function Access port for external probe etc. (int. diameter "In") Digit I Light Lock with key Castors (total pcs) / castors with brake (pcs) Fixed shelves (pcs) / adjustable shelves (pcs) Max. no. of shelves / recommended max. no. of shelves (pcs) Max load per shelf (lb) Refrigerant Number of compressors Refrigerant Interior cabinet material Exterior cabinet material Colour (exterior cabinet) Foam type Shipping weight (lb) Shipping dimensions WxDxH (inches) Artifreeze function Yes Access port for external probe etc. (int. diameter "In") 0.79 107 108 109 109 109 109 109 109 109 109 109 109	Display features	Display type	Digital
Access port for external probe etc. (int. diameter "In") Light Lock with key Castors (total pcs) / castors with brake (pcs) Reversible door(s) Fixed shelves (pcs) / adjustable shelves (pcs) Max. no. of shelves / recommended max. no. of shelves (pcs) Max load per shelf (lb) Refrigerant Refrigerant Interior cabinet material Exterior cabinet material Colour (exterior cabinet) Foam type Shipping weight (lb) Shipping dimensions WxDxH (inches) O.79 1 (1) 10 10 10 10 10 10 10 10 10	Other features	Automatic defrost	Yes
Light Yes Lock with key Yes Castors (total pcs) / castors with brake (pcs) 4 / 2 Reversible door(s) Yes Fixed shelves (pcs) / adjustable shelves (pcs) 0 / 7 Max. no. of shelves / recommended max. no. of shelves (pcs) 7 / 7 Max load per shelf (lb) 68 Number of compressors 1 Refrigerant R600a Interior cabinet material Exterior cabinet material Colour (exterior cabinet) Foam type Cyclopentane Shipping weight (lb) 306 Shipping dimensions WxDxH (inches) 33 x 30 x 80		Antifreeze function	Yes
Lock with key Castors (total pcs) / castors with brake (pcs) Reversible door(s) Fixed shelves (pcs) / adjustable shelves (pcs) Max. no. of shelves / recommended max. no. of shelves (pcs) Max load per shelf (lb) Refrigerant Interior cabinet material Exterior cabinet material Colour (exterior cabinet) Foam type Shipping weight (lb) Shipping dimensions WxDxH (inches) Yes 7/7 Max load per shelf (lb) 68 Pre-coated aluminum sheet Galvanized steel powder coating Cyclopentane Shipping weight (lb) 306 Shipping dimensions WxDxH (inches) 33 x 30 x 80		Access port for external probe etc. (int. diameter "In")	0.79
Fixed shelves (pcs) / adjustable shelves (pcs) 0 / 7 Max. no. of shelves / recommended max. no. of shelves (pcs) 7 / 7 Max load per shelf (lb) 68 Number of compressors 1 Refrigerant R600a Interior cabinet material Pre-coated aluminum sheet Exterior cabinet material Galvanized steel powder coating Colour (exterior cabinet) White Foam type Cyclopentane Shipping weight (lb) 306 Shipping dimensions WxDxH (inches) 33 x 30 x 80		Light	Yes
Fixed shelves (pcs) / adjustable shelves (pcs) 0 / 7 Max. no. of shelves / recommended max. no. of shelves (pcs) 7 / 7 Max load per shelf (lb) 68 Number of compressors 1 Refrigerant R600a Interior cabinet material Pre-coated aluminum sheet Exterior cabinet material Galvanized steel powder coating Colour (exterior cabinet) White Foam type Cyclopentane Shipping weight (lb) 306 Shipping dimensions WxDxH (inches) 33 x 30 x 80		Lock with key	Yes
Fixed shelves (pcs) / adjustable shelves (pcs) 0 / 7 Max. no. of shelves / recommended max. no. of shelves (pcs) 7 / 7 Max load per shelf (lb) 68 Number of compressors 1 Refrigerant R600a Interior cabinet material Pre-coated aluminum sheet Exterior cabinet material Galvanized steel powder coating Colour (exterior cabinet) White Foam type Cyclopentane Shipping weight (lb) 306 Shipping dimensions WxDxH (inches) 33 x 30 x 80		Castors (total pcs) / castors with brake (pcs)	4/2
Max. no. of shelves / recommended max. no. of shelves (pcs) Max load per shelf (lb) 88 Number of compressors 1 Refrigerant Interior cabinet material Interior cabinet material Exterior cabinet material Colour (exterior cabinet) Foam type Shipping weight (lb) Shipping dimensions WxDxH (inches) 7 / 7 68 R600a Pre-coated aluminum sheet Galvanized steel powder coating White Cyclopentane Shipping dimensions WxDxH (inches) 33 x 30 x 80		Reversible door(s)	Yes
Max load per shelf (lb) Bumber of compressors Refrigerant Interior cabinet material Exterior cabinet material Colour (exterior cabinet) Foam type Shipping weight (lb) Shipping dimensions WxDxH (inches) R600a Pre-coated aluminum sheet Galvanized steel powder coating White Cyclopentane Shipping dimensions WxDxH (inches) 33 x 30 x 80		Fixed shelves (pcs) / adjustable shelves (pcs)	0/7
Number of compressors Refrigerant Refrigerant Interior cabinet material Interior cabinet material Exterior cabinet material Colour (exterior cabinet) Foam type Shipping weight (lb) Shipping dimensions WxDxH (inches) 1 Re600a Pre-coated aluminum sheet Galvanized steel powder coating White Cyclopentane Shipping weight (lb) 306 Shipping dimensions WxDxH (inches) 33 x 30 x 80		Max. no. of shelves / recommended max. no. of shelves (pcs)	7/7
Refrigerant R600a Interior cabinet material Pre-coated aluminum sheet Exterior cabinet material Galvanized steel powder coating Colour (exterior cabinet) White Foam type Cyclopentane Shipping weight (lb) 306 Shipping dimensions WxDxH (inches) 33 x 30 x 80		Max load per shelf (lb)	68
Foam type Cyclopentane Shipping weight (lb) 306 Shipping dimensions WxDxH (inches) 33 x 30 x 80	Refrigeration & cabinet	Number of compressors	1
Foam type Cyclopentane Shipping weight (lb) 306 Shipping dimensions WxDxH (inches) 33 x 30 x 80		Refrigerant	R600a
Foam type Cyclopentane Shipping weight (lb) 306 Shipping dimensions WxDxH (inches) 33 x 30 x 80		Interior cabinet material	
Foam type Cyclopentane Shipping weight (lb) 306 Shipping dimensions WxDxH (inches) 33 x 30 x 80		Exterior cabinet material	
Shipping weight (lb) 306 Shipping dimensions WxDxH (inches) 33 x 30 x 80		Colour (exterior cabinet)	White
Shipping dimensions WxDxH (inches) 33 x 30 x 80		Foam type	Cyclopentane
$ \frac{\vec{a}}{s} \frac{\vec{b}}{s} $ Shipping dimensions WxDxH (inches) $ 33 \times 30 \times 80 $ Shipping volume (cu.FT) $ 45.90 $	Shipping	Shipping weight (lb)	306
Shipping volume (cu.FT) 45.90		Shipping dimensions WxDxH (inches)	33 x 30 x 80
		Shipping volume (cu.FT)	45.90



