

the Interceptor[®]

BIOLOGICAL SAFETY CABINET



CLASS II, A2 | CLASS II, B2

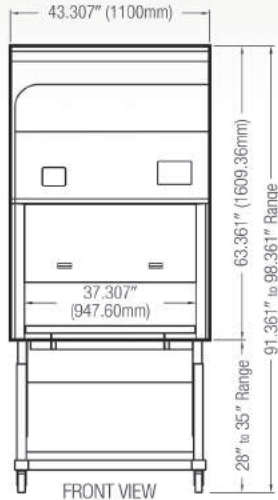
KEWAUNEE[®]

encouraging new discovery... Worldwide

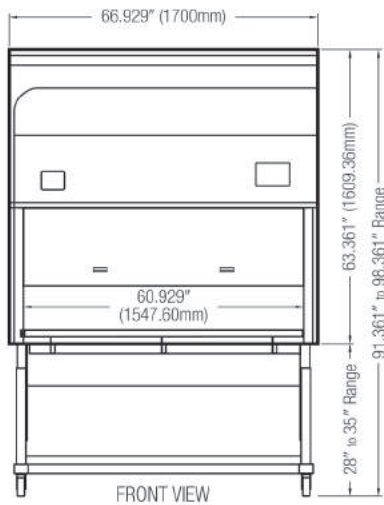
INTERCEPTOR A2/B2

TECHNICAL INFORMATION

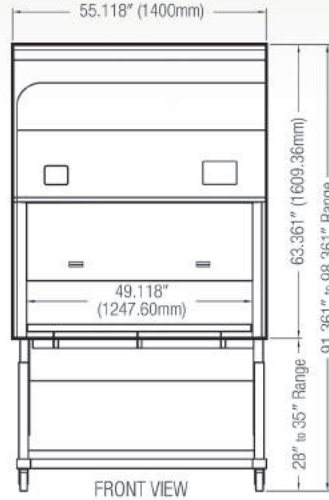
INT-1100A2



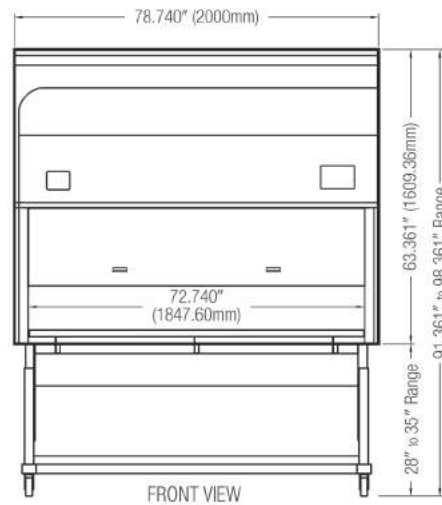
INT-1700A2



INT-1400A2
INT-1400B2



INT-2000A2
INT-2000B2



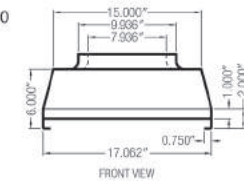
Class II, A2 Thimble Exhaust Volume

Hood Model	BSC CFM	Thimble Exhaust CFM
INT-1100	272	354
INT-1400	358	465
INT-1700	444	577
INT-2000	530	689

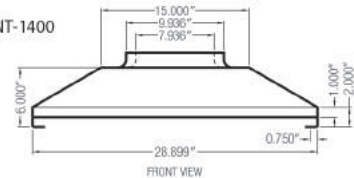
Class II, B2 Exhaust Volume

Hood Model	BSC CFM	Exhaust CFM
INT-1400B	285	755
INT-2000B	424	1120

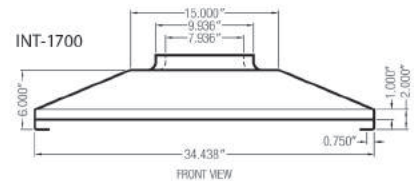
INT-1100



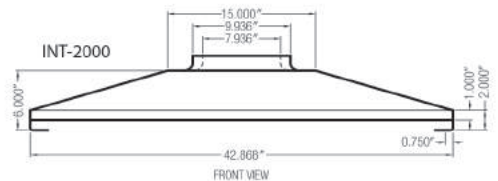
INT-1400



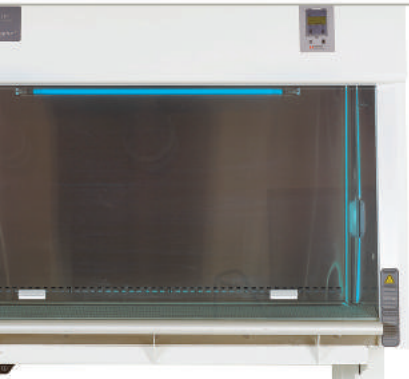
INT-1700



INT-2000



*All Thimble connections include Airflow Sensor.



U.V. Germicidal
Light Option



Electrically or Manually
Adjustable Stand

Safety and Ergonomics! No two factors are more important in the laboratory environment. Kewaunee has earned the trust of our customers for more than 100 years, building products specifically for the laboratory with these two principles in mind.

The Interceptor Class II, Biological Safety Cabinets are developed with comprehensive features created to enhance both safety and ergonomics... the Interceptor leads its class.

Safety & Reliability

- Full Color 5" Touch Interface provides real time performance data
- Password protected
- Double wall construction surrounds containment area with negative pressure
- Angular front grill design improves containment
- Multiple Audible/Visual Alarm features:
 - Alarm for Sash position, Low Air, High Air, Temperature, Sensor Error, Differential Pressure
 - Graphical Representation of Airflow, Sash position, NSB
 - Remaining filter capacity display
 - UV lamp programmable timer
 - UV lamp life expectancy monitor
- NSF/ANSI 49
- Each cabinet is factory tested to NSF/ANSI 49, Section 6.15
- UL 601010-A-1 listed
- Low pressure Airflow Sensor (Thimble connection)



Ergonomic Design

- 10° angled easy lift sash utilizes a reinforced nylon sash belt and sprocket
- Easy access, Touch Screen Control Panel
- Removable one piece stainless steel worksurface
- Coved Corner, three wall stainless steel interior for ease of cleaning
- Forward positioned service fittings
- Tilting sash for easy cleaning
- Telescopic Base Stand options include manual or electrically operated adjustable height
- Ergonomic Armrest
- Quiet Operation $\leq 62\text{dBA}^*$

*Based on 4' Model





Front Loading HEPA Filters

Anti Racking Sash Belt and Sprocket Drive

Finish: Kewaunee No. 78
Snow White

Full Color Touch
Screen Display

T5 Fluorescent Lamp

Optional UV
Germicidal Lamp

Max Sash opening
22-1/4"

Max Visibility 25-15/32"

Sash Opening Height
10" — Class II, A2
8" — Class II, B2

Angular front grill design

Single Piece Type
304 Stainless Steel
Interior Liner with
Coved Corners for
Ease of Cleaning

Ergonomic Armrest

Telescopic Base Stand

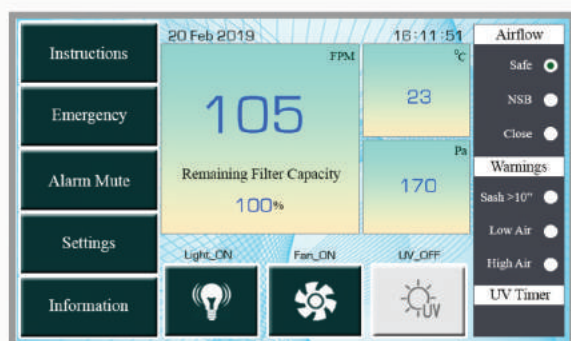
Removable
Type 304
Stainless Steel
Worksurface

Options Include:
Manual Height
Adjustment, Electrically
Operated Adjustment

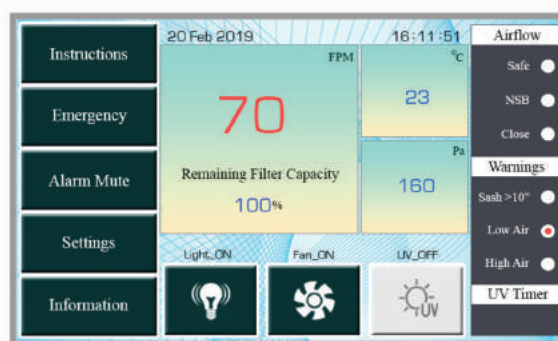
INTERCEPTOR

FEATURES

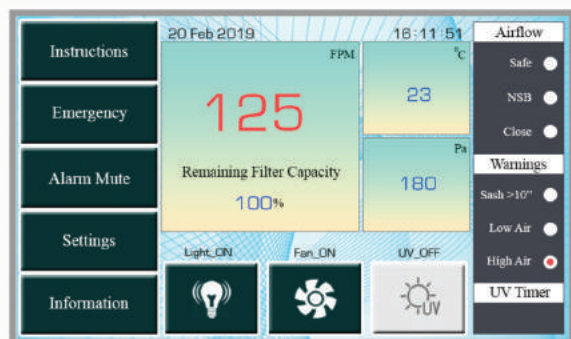
TOUCH SCREEN MONITOR FEATURES



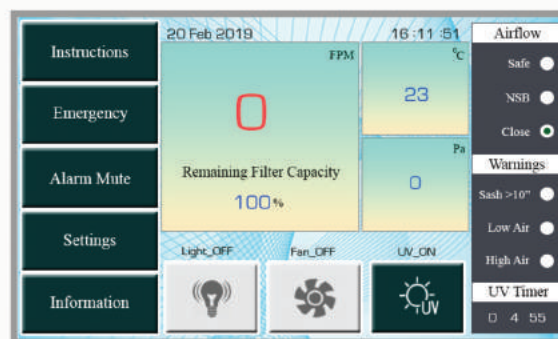
Safe Operation



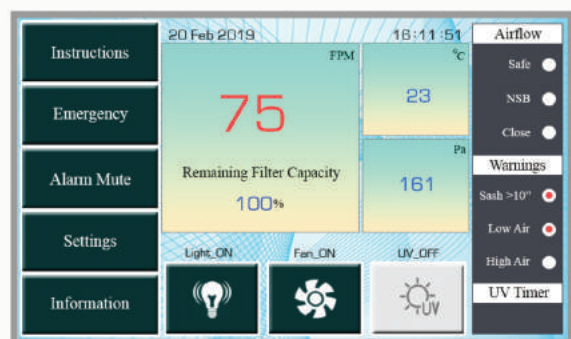
Low Airflow Alarm



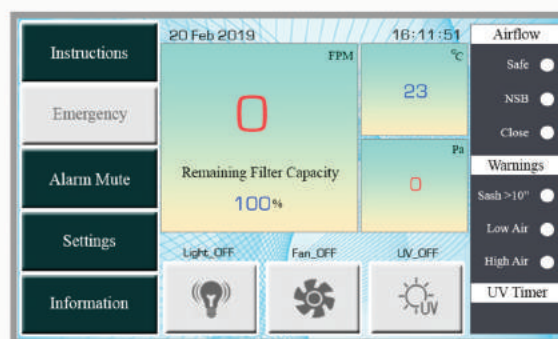
High Airflow Alarm



UV Lamp Timer



Sash Position Indicator



Emergency

the **INTERCEPTOR** **CLASS II**

Biological Safety Cabinet



ENERGY EFFICIENCY

- DEC Star variable speed ECM technology
- Variable speed/Constant airflow
- Energy efficient: save 15%-35% watts as compared to standard technology blowers with traditional ECM's



Cost of Ownership				
8 Hours per day – 5 days per week. Total 2000 Hours				
	Kewaunee Interceptor	Cabinet One DC ECM	Cabinet Two DC ECM	Cabinet Three AC 3-Phase
KWH per year	454	598	580	828
**Power Consumption	\$41.00	\$54.00	\$52.00	\$75.00
*8 Hours per day. 16 hours a day Night Set Back - 5 days per week. Total 6000 Hours				
	Kewaunee Interceptor	Cabinet One DC ECM	Cabinet Two DC ECM	Cabinet Three AC 3-Phase
KWH per year	908	1196	1160	1656
**Power Consumption	\$82.00	\$108.00	\$104.00	\$149.00
24 Hours per day 7 days per week. Total 8736 Hours				
	Kewaunee Interceptor	Cabinet One DC ECM	Cabinet Two DC ECM	Cabinet Three AC 3-Phase
KWH per year	1983	2612	2533	3617
**Power Consumption	\$178.00	\$235.00	\$228.00	\$326.00

Based on .09 per KWH

*Night Set Back calculated at 50% run speed.

**For information purposes only, based on clean filter conditions. Does not imply a guarantee of any kind.

Product Descriptions 120 VAC

Available in powder coat finish No. 78 Snow White

Product Number	Superstructure – Exterior Dimensions				BASE STAND		
	width (mm)	depth (mm)	height (mm)	dimensions in inches	series type	type of stand	size and range of motion
INT-1100A2	1100	815	1610	43.3" × 32.1" × 63.4"	1100 Series	Manual Adjust	711mm – 838mm (28" – 35") range of motion
INT-1100A2-1	1100	815	1610	43.3" × 32.1" × 63.4"	1100 Series	Elec. Adjust	711mm – 838mm (28" – 35") range of motion
INT-1400A2	1400	815	1610	55.1" × 32.1" × 63.4"	1400 Series	Manual Adjust	711mm – 838mm (28" – 35") range of motion
INT-1400A2-1	1400	815	1610	55.1" × 32.1" × 63.4"	1400 Series	Elec. Adjust	711mm – 838mm (28" – 35") range of motion
INT-1700A2	1700	815	1610	66.9" × 32.1" × 63.4"	1700 Series	Manual Adjust	711mm – 838mm (28" – 35") range of motion
INT-1700A2-1	1700	815	1610	66.9" × 32.1" × 63.4"	1700 Series	Elec. Adjust	711mm – 838mm (28" – 35") range of motion
INT-2000A2	2000	815	1610	78.7" × 32.1" × 63.4"	2000 Series	Manual Adjust	711mm – 838mm (28" – 35") range of motion
INT-2000A2-1	2000	815	1610	78.7" × 32.1" × 63.4"	2000 Series	Elec. Adjust	711mm – 838mm (28" – 35") range of motion
INT-1400B2	1400	815	1610	55.1" × 32.1" × 63.4"	1400 Series	Manual Adjust	711mm – 838mm (28" – 35") range of motion
*INT-1400B2-1	1400	815	1610	55.1" × 32.1" × 63.4"	1400 Series	Elec. Adjust	711mm – 838mm (28" – 35") range of motion
INT-2000B2	2000	815	1610	78.7" × 32.1" × 63.4"	2000 Series	Manual Adjust	711mm – 838mm (28" – 35") range of motion
*INT-2000B2-1	2000	815	1610	78.7" × 32.1" × 63.4"	2000 Series	Elec. Adjust	711mm – 838mm (28" – 35") range of motion

*Requires Flexible Duct

Product Descriptions 230 VAC

Available in powder coat finish No. 78 Snow White

Product Number	Superstructure – Exterior Dimensions				BASE STAND		
	width (mm)	depth (mm)	height (mm)	dimensions in inches	series type	type of stand	size and range of motion
INT-1100A2-230	1100	815	1610	43.3" × 32.1" × 63.4"	1100 Series	Manual Adjust	711mm – 838mm (28" – 35") range of motion
INT-1100A2-1-230	1100	815	1610	43.3" × 32.1" × 63.4"	1100 Series	Elec. Adjust	711mm – 838mm (28" – 35") range of motion
INT-1400A2-230	1400	815	1610	55.1" × 32.1" × 63.4"	1400 Series	Manual Adjust	711mm – 838mm (28" – 35") range of motion
INT-1400A2-1-230	1400	815	1610	55.1" × 32.1" × 63.4"	1400 Series	Elec. Adjust	711mm – 838mm (28" – 35") range of motion
INT-1400B2	1400	815	1610	55.1" × 32.1" × 63.4"	1400 Series	Elec. Adjust	711mm – 838mm (28" – 35") range of motion
*INT-1400B2-1	1400	815	1610	55.1" × 32.1" × 63.4"	1400 Series	Elec. Adjust	711mm – 838mm (28" – 35") range of motion
INT-1700A2-230	1700	815	1610	66.9" × 32.1" × 63.4"	1700 Series	Manual Adjust	711mm – 838mm (28" – 35") range of motion
INT-1700A2-1-230	1700	815	1610	66.9" × 32.1" × 63.4"	1700 Series	Elec. Adjust	711mm – 838mm (28" – 35") range of motion
INT-2000A2-230	2000	815	1610	78.7" × 32.1" × 63.4"	2000 Series	Manual Adjust	711mm – 838mm (28" – 35") range of motion
INT-2000A2-1-230	2000	815	1610	78.7" × 32.1" × 63.4"	2000 Series	Elec. Adjust	711mm – 838mm (28" – 35") range of motion
INT-2000B2	2000	815	1610	78.7" × 32.1" × 63.4"	2000 Series	Elec. Adjust	711mm – 838mm (28" – 35") range of motion
*INT-2000B2-1	2000	815	1610	78.7" × 32.1" × 63.4"	2000 Series	Elec. Adjust	711mm – 838mm (28" – 35") range of motion

*Requires Flexible Duct

Accessories included: Base Stand, Armrest and 2 GFCI Duplexes

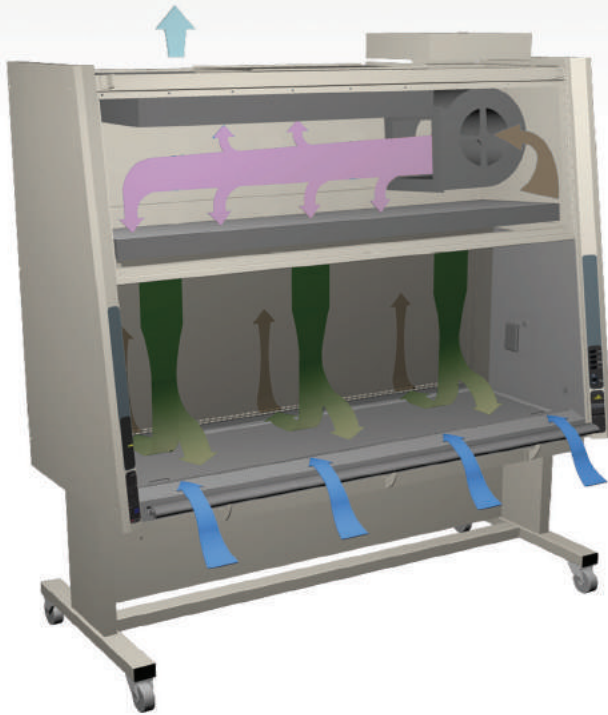
Options	Product Description
INT-CASTER	102mm (5") CASTER SET (Duratex Phenolic wheel with front locking wheels)
INT-UV-18 or -36	UV GERMICIDAL LIGHT
INT-IV-POLE-1100	IV Pole
INT-IV-POLE-1400	IV Pole
INT-IV-POLE-1700	IV Pole
INT-IV-POLE-2000	IV Pole
INT-THIMBLE-1100	THIMBLE CONNECTION FOR A2 ASSEMBLY 1100 SERIES*
INT-THIMBLE-1400	THIMBLE CONNECTION FOR A2 ASSEMBLY 1400 SERIES*
INT-THIMBLE-1700	THIMBLE CONNECTION FOR A2 ASSEMBLY 1700 SERIES*
INT-THIMBLE-2000	THIMBLE CONNECTION FOR A2 ASSEMBLY 2000 SERIES*
INT-FOOTREST	ADJUSTABLE FOOTREST 76mm to 279mm (3" TO 11")
INT-W-0287-00	Service fitting (specify service desired), Field Installed
**INT-DAMPER	BUTTERFLY DAMPER, 12in Dia., Type 304 st/stc, Manual Control

*Includes Thimble Lowflow Alarm

**Required for B2 installation

INTERCEPTOR

AIRFLOW DIAGRAMS



Class II, A2 Airflow

- | | |
|--|--|
| Room Air | HEPA filtered Clean Air |
| Contaminated Air under positive pressure | Contaminated Air under negative pressure |
| HEPA filtered Clean Air | HEPA filtered Exhaust Air |

Class II, B2 Airflow

- | | |
|-------------------------|--|
| Room Air | Contaminated Air under negative pressure |
| HEPA filtered Clean Air | HEPA filtered Exhaust Air |
| HEPA filtered Clean Air | HEPA filtered Exhaust Air |



Kewaunee Scientific Corporation is dedicated to manufacturing high quality products for the laboratory marketplace. We offer Total Laboratory Solutions, Innovative Designs, and Technological Expertise with a worldwide distribution network to provide laboratories that are truly World Class.

Laboratory Products from Kewaunee * :

ALPHA * – Adaptable Casework System

ALPHA Columns – Expandable Workstations

ALPHA Overhead Carrier Systems

BasikBench * – Welded C-Leg Bench

DetectAir – Filtered/Ductless Fume Hoods

EarthLine * – Environmentally Friendly Casework

Enterprise * – Moveable Workstations

Evolution* – Column Based Workstations

Interceptor* – Biological Safety Cabinet

Interceptor* – Laminar Flow Cabinet

Kemresin * – Epoxy Resin Counters & Sinks

Kewaunee Matrix * – Educational Stations

Research Collection * – Steel Casework

Signature* Series – Wood Casework

Spektrum – Laminate Architectural Millwork

Sturdilite* – Flexible Pedestal System

Supreme Air * – Fume Hoods

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