



FRONT-LINE™ FIELD STERILIZER

DATA SHEET



Indications For Use Statement

The Fort Defiance Industries FRONT-LINE Field Sterilizers are autoclaves designed for sterilizing heat-and moisture stable medical, dental, and surgical materials, including wrapped and unwrapped, solid, porous, and hollow items (e.g., dental handpieces, suction pipes) in healthcare facilities.

Intended Use and Sterilization Cycles

Model	Cycle	Maximum Load	Exposure Temperature ¹ (°F/°C)	Exposure Time (minutes)	Dry Time (minutes)
FL120	Immediate Use Steam Sterilization (IUSS)	20 lbs. 9.1 kg	270/132	4	0
			275/135	3	
	Textiles	3 Textile Packs ²	250/121	30	60
			270/132	4	
			275/135	3	
	Wrapped Instruments/ Pouches	20 lbs. 9.1 kg	250/121	30	60
			270/132	4	
			275/135	3	
	Handpieces	12 Handpieces	270/132	4	60
			275/135	3	
FL135	Immediate Use Steam Sterilization (IUSS)	25 lbs. 11.3 kg	270/132	4	0
			275/135	3	
	Textiles	3 Textile Packs ²	250/121	30	60
			270/132	4	
			275/135	3	
	Wrapped Instruments/ Pouches	25 lbs. 11.3 kg	250/121	30	60
			270/132	4	
			275/135	3	
	Handpieces	12 Handpieces	270/132	4	60
			275/135	3	

¹ The AAMI/EN minimum temperature is listed for all cycles.

² AAMI Standard Textile Pack (9 towels - ST55 Section 5.7.1.1)

NOTES: Bowie-Dick and Vacuum Leak tests are not required on the FRONT-LINE Field Sterilizers per guidance from AAMI ST55 Section A.4.6.1. The FRONT-LINE Field Sterilizers do not include a sterilization cycle for liquids.

FDA Cleared /Standards

- ANSI/AAMI ST55:2016
- IEC 61010-1 Edition 3.1 2017-01
- IEC 61010-2-040:2020
- IEC 61326-1:2020
- ASME Boiler and Pressure Vessel Code, Section VIII, Division I

Specifications

- Power Requirements: 120VAC±10%, 1PH, 50/60 Hz, 15 AMP
230 – 240VAC ±10%, 1PH, 50/60 Hz, 15 AMP
- Electrical Receptacle: 120VAC: NEMA 5-15P (IEC Type B) (US)
240VAC: NEMA L14-30P (US)
- Sterilization Temperatures: 250°F (121°C) (delicates) (30-min exposure)
270°F (132°C) (default) (4-min exposure)
275°F (135°C) (3-min exposure)
- Steam Flush Pressure Pulse Phases: 3 pressure/exhaust pulses (5 for handpieces)
- Water Tank Capacity: 1 Gal (3.8 L)
- Water Usage: 3.4 fl oz / cycle (100 mL)
- Water Quality: Distilled water only
- Maximum working pressure/vacuum: 45 psig (310 kPA) / Full Vacuum
- NEMA Classification: NEMA 3R – protection from rain, sleet, snow
- Operating Temperature range: 35°F to 130°F (1.7°C to 54°C)
- Storage Temperature range: -65°F to 180°F (-54°C to 82°C)
- Operating Altitude Range: 0 to 10,000 ft (0 to 3048 m)
- Maximum Relative Humidity: 88%, non condensing
- Noise Level: 70 dB (peak), 57 dB (background)

Models

Model	Chamber	Maximum Load	Outside (LxWxH)	Weight	Total Cycle Times (minutes)	Capacity
FL120	12.0" dia x 23.5" long 1.6 ft ³ (30.5 x 59.7 cm) 45L	20 lbs. (9.1 kg)	31.5" x 20" x 22" (80.0 x 50.8 x 55.9 cm)	130 lbs. (58.9 kg)	240 VAC: Wrapped 85 mins. IUSS 25 mins. 120 VAC: Wrapped 100 mins. IUSS 40 mins.	Fits standard wrapped sterilization trays with outside dimensions of 10.5" x 20" x 3.5" (26.7 x 50.8 x 8.9 cm)
FL135	13.5" dia x 24" long 2.0 ft ³ (34.3 x 61.0 cm) 56.6 L	25 lbs. (11.3 kg)	32" x 21.5" x 23.5" (81.3 x 54.6 x 59.7 cm)	140 lbs. (63.5 kg)	240 VAC: Wrapped 90 mins. IUSS 30 mins. 120 VAC: Wrapped 105 mins. IUSS 45 mins.	Fits full-length rigid sterilization containers with outside dimensions of 23.1" x 12.4" x 6.1" (58.7 x 31.5 x 15.5 cm)



Optional Accessories

- Table
- Distilled Water Generator
- Sterility Assurance Startup Kit
- Consumables Kit
- Recommended Spare Parts Kit
- Soft Transport Case



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