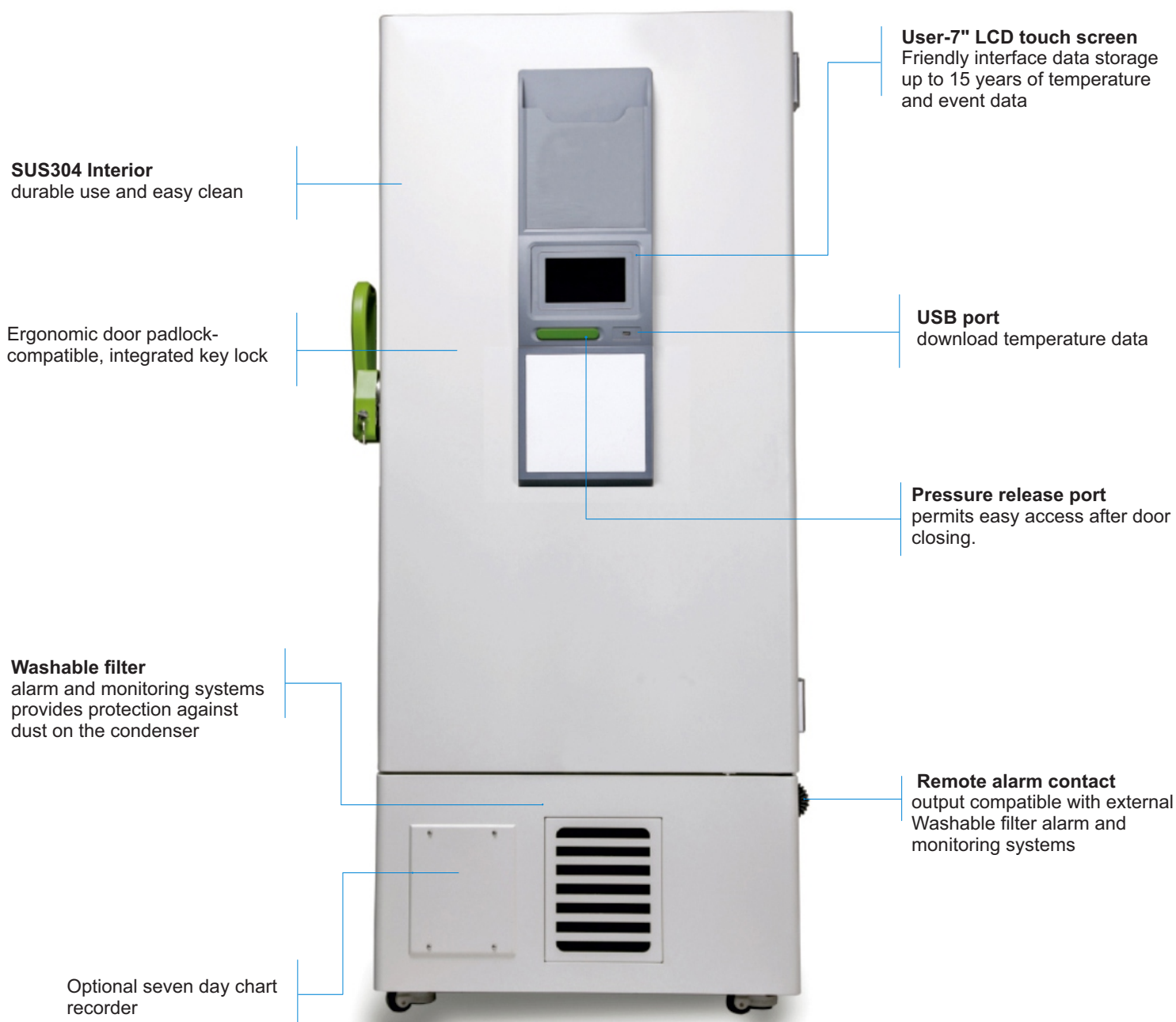


STALWART

-86°C DualGuard ULT Freezer STF-838DT



Introduction

DualGuard ULT freezers maintain a reliable and uniform -86°C ultra low temperature environment. When one cooling system suffer an unexpected failure, the other cooling system still keeps cabinet temperature below -70°C . It is more secure to store valuable and irreplaceable samples with utmost confidence that they won't be lost in the case of compressor failure.

Features

A Smart Freezer

- 7" touch screen, easy observation & convenient operation
- Checking history temperature curve and alarm record on screen
- Self-diagnostic, automatic check & alarm for key components
- Standard USB port, record and download data conveniently



Dual Cooling System

- Two independent refrigeration systems in one ULT freezer, when one system failed, the other one can maintain the temperature at -70°C until the failed system fixed
- Exceptionally uniform and reliable temperature
- User-friendly design and low running costs.

A User-Friendly Freezer

- SUS304 interior for easy cleaning & rust free
- Document groove to put paper, create a stylish lab
- Optional electric lock for safety and convenient administration
- Maximum sample storage capacity with an optimum footprint
- Special noise reduction design, a real quiet lab partner



Specification

	Model	STF-838DT
Technical Data	Type	Upright
	Capacity (L/cu ft)	838/29.59
	Inner doors	2 pcs, forming door, SUS304
	Shelves	3, made in SUS304
	Inner chamber material	SUS304
	Cooling type	Direct cooling
	Refrigerant	Hydrocarbon, CFC Free, Non greenhouse gas
	Noise level (dB)	53
Temperature	Ambient temperature(°C)	10~32(°C)
	Temperature range(°C)	-40~-86(°C)
Cooling & Controller	Cooling System	Two independent cooling system
	Compressor Brand	SECOP
	Sensor	PT100
	Controller	Microprocessor
	Display & Control	7" Touch Screen
Electronic Parameter	Voltage/Frequency	220~240V 50/60Hz 110V 60Hz
	Power (W)	900
	Power Consumption (kWh/24h)	13.86
Vials load	2ml Vials (pcs)	60,000
Size & Weight	Internal (W*D*H) mm	894×718×1310
	External (W*D*H) mm	1190×1045×2010
	Packing (W*D*H) mm	1280×1120×2210
	Net/Gross weight (kg)	275/305
Alarm System	High/low temperature	√
	Power off failure	√
	Abnormal voltage	√
	Sensor error	√
	Filter screen check	√
	Controller failure	√
	Low battery	√
	Condenser malfunction	√
	High ambient temperature	√
	Door ajar	√

Specification

Accessories	Caster	4
	Test hole/Diameter	1/25mm
	Remote alarm contact	√
	USB Port	Y
	RS232/485	Optional
	Temperature recorder	Optional
	Freezer racks	Optional
	CO2 backup system	Optional
	LN2 backup system	Optional