tcps
Lab equipment and more

-40°C Ultra-low Temperature Freezer





Structure Design

· The freezer is equipped with a foam door, which effectively prevents the loss of cold air and has excellent insulation performance;
· The door is equipped with a lock and key to provide a safe cryogenic storage space for samples;
· There is Φ25mm access port on the left side of the freezer, convenient to monitor / test / back-up equipment;
· Equipped universal wheels and leveling feet for easy movement and fixation;
· Equipped with sprayed aluminum plate / SUS304 stainless steel / HIPS / Blister / galvanized plate as lining material.

Control system

· Well-developed Audible & Visible Alarm System;
· The equipped built-in data-logger can export up to 12 months of temperature data (that has not been exported) through USB port, either automatically or manually;
· The RS485 interface is capable of defining and transferring critical temperature data of the equipment by the MODBUS protocol;
· The microprocessor controller can display temperature in 0.1°C increments;
· The cabinet is equipped with a high-sensitivity temperature sensor to ensure constant internal temperature.

Refrigeration system

· HC refrigerant with ultra low GWP minimize thermal radiation, meanwhile to reduce HVAC energy consumption.[Comply to SNAP No. 22 Rule];
· Industrial compressor realizes energy conservation and environmental protection.

Model	Volume (L)	Temperature(°C)	External Dimensions (W*D*H, mm)	Internal Dimensions (W*D*H, mm)	Net Weight (Kg)
DW-FL90	90	-20~-40	700*669*864	500*485*532	52/54/62
DW-FL270	270	-20~-40	746*700*1792	500*460*1235	97
DW-FL450	450	-20~-40	856*789*1960	(650*570*627)*2	144/133/162
DW-FL528	528	-20~-40	930*1041*1947	585*696*1266	234
DW-FL778	778	-20~-40	1205*1025*1955	865*696*1286	286
DW-FL1008	1008	-20~-40	1360*1006*1980	1022*696*1378	320