

CHAPTER 1

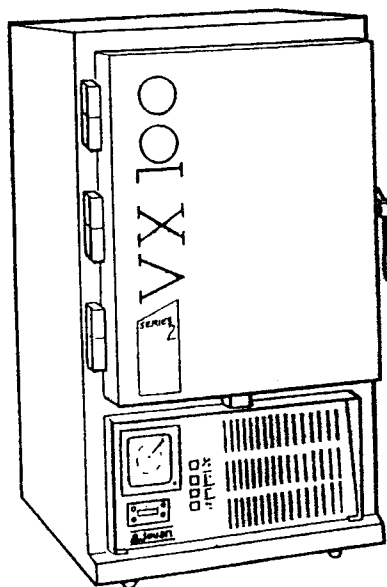
TECHNICAL DESCRIPTION

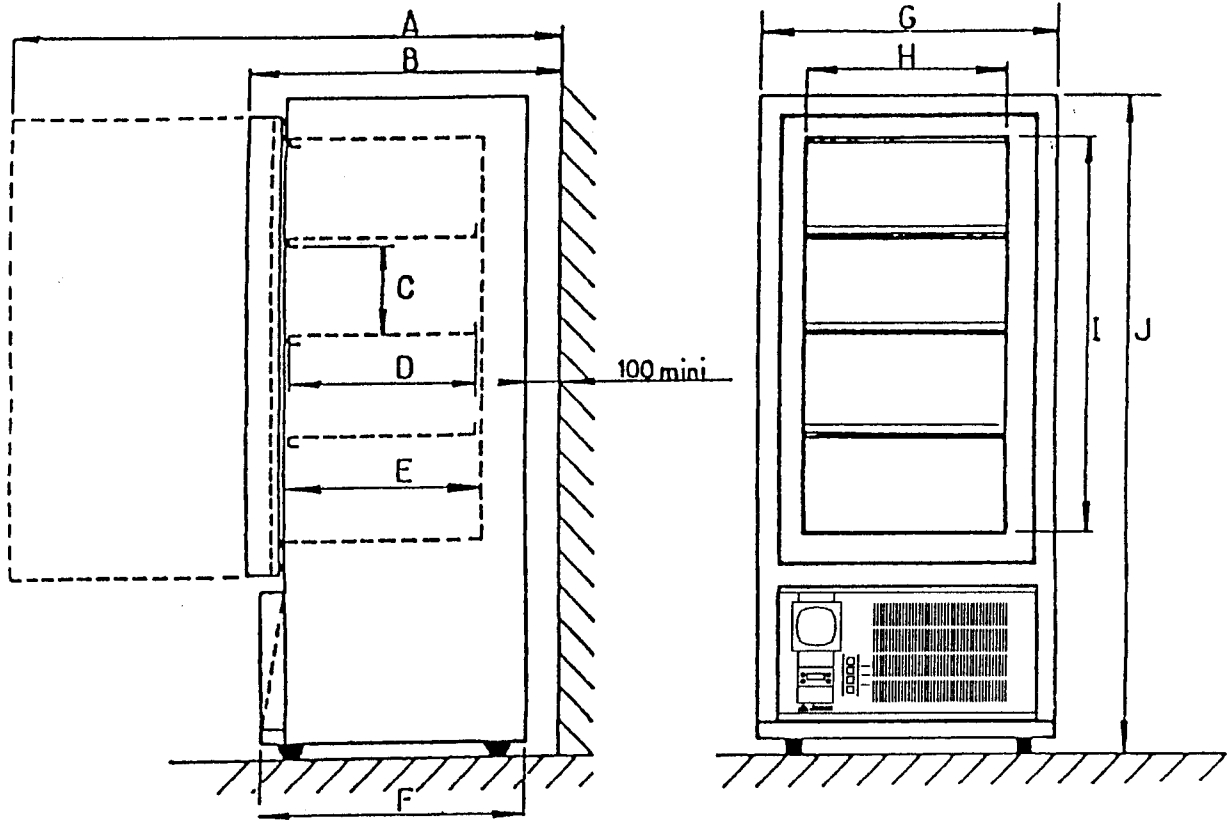
1.1 - GENERAL DESCRIPTION

- An external casing of epoxy painted galvanized steel.
- A chamber made of stainless steel (Z6CN 18.09 [AISI 304]) divided into four individually insulated compartments each with a separate inner door on stainless steel hinges.
- Insulation with low thermal exchange rate (0,032 W/m²/°C - 140 mm thickness) made of pre-formed CFC free polyurethane blocks.
- Airtight door with double silicone jointing.
- An adjustable door keylock which tightens progressively and an open door detector.
- The control unit holds an electronic temperature control module.
- Four castor wheels to roll the whole unit and rubber feet.
- Back spacer
- A buzzer for audible alarm
- A secured plug on the rear panel for external alarm (telealarm)
- Index of protection IP21 : instrument protected against the penetration of solid items greater than 12.5 mm in diameter and against falling drops of water.

The VX series 2 units are deep freezers designed to cool down samples and maintain them at a temperature as low as -83°C. At -70°C the metabolism of most biological samples is virtually stopped. It is then possible to keep them during several months without altering their properties.

For easy access to the samples, the VX series 2 units are of the upright type. Four models are available ranging from 115 to 530 litre chamber capacity.





Model	Dimensions mm									
	A	B	C	D	E	F	G	H	I	J
VX 100	1400	880	270	430	455	650	720	420	560	1190
VX 350	1500	760	270	450	500	695	890	600	1180	1980
VX 430	1600	860	270	550	600	795	890	600	1180	1980
VX 530	1700	1010	270	750	800	895	890	600	1180	1980

SPECIFICATIONS	VX100	VX350	VX430	VX530
Capacity (l)	113	350	430	530
Compartment N°	2	4	4	4
Internal dim (HWD)	560 x 420 x 455	1180 x 600 x 500	1180 x 600 x 600	1180 x 600 x 800
External dim (HWD)	1190 x 720 x 880	1980 x 890 x 760	1980 x 890 x 860	1980 x 890 x 1010
Max/average power (W)	1200/600	1360/660	1600/780	1600/800
Weight (KG)	120	265	280	320
Packing dim. (HWD)	850 x 850 x 1460	1070 x 800 x 2230	1200 x 960 x 2230	1200 x 1000 x 2230
Min. T° at ≤22°C (ambient)	-83°C	-83°C	-83°C	-83°C

CATALOGUE NUMBERS	VX 100	VX 350	VX 430	VX 530
220/240V- 50/60Hz basic model	51500201	51500202	51500203	51500204
+ CO2 back-up option	51500205	51500206	51500207	51500208
+ Weekly circular recorder	51500209	51500210	51500211	51500212
+ Both options	51500213	51500214	51500215	51500216
200V- 50/60Hz basic model	51500217	51500218	51500219	51500220
+ CO2 back-up option	51500221	51500222	51500223	51500224
+ Weekly circular recorder	51500225	51500226	51500227	51500228
+ Both options	51500229	51500230	51500231	51500232
120V- 60Hz basic model	51500233	51500234		
+ CO2 back-up option	51500235	51500236		
+ Weekly circular recorder	51500237	51500238		
+ Both options	51500239	51500240		

51500519 set of 100 chart recorder disks - 51500518 set of 5 pens for chart recorder.

ACCESSORIES					
Type	Dimensions HxWxD	To fit	Cat.N°	N° per Compartment	Total Nbr
Single drawer	220 x 135 x 395	VX100	51500530	3	6
	220 x 135 x 420	VX350	51500500	4	16
	220 x 135 x 520	VX430	51500501	4	16
	220 x 135 x 620	VX530	51500502	4	16
Pull-out rack for box (135 x 135 x 70)	80 x 135 x 138	VX100 (9 box)	51500531	3	6 (54)
	80 x 140 x 138	VX350 (9 box)	51500503	4	16 (144)
	80 x 140 x 138	VX430 (12 box)	51500504	4	16 (192)
	80 x 140 x 130	VX530 (15 box)	51500505	4	16 (240)
Pull-out rack for box (135 x 135 x 50)	60 x 135 x 138	VX100 (12 box)	51500536	3	6 (72)
	60 x 140 x 138	VX350 (12 box)	51500512	4	16 (192)
	60 x 140 x 138	VX430 (16 box)	51500513	4	16 (256)
	60 x 140 x 138	VX530 (20 box)	51500514	4	16 (320)
2 drawer box	112 x 189 x 395	VX100	51500532	2	4
	115 x 270 x 425	VX350	51500506	2	8
	115 x 270 x 525	VX430	51500507	2	8
	115 x 270 x 625	VX530	51500508	2	8
3 drawer box	70 x 189 x 395	VX100	51500533	2	4
	70 x 270 x 425	VX350	51500509	2	8
	70 x 270 x 525	VX430	51500510	2	8
	70 x 270 x 625	VX530	51500511	2	8