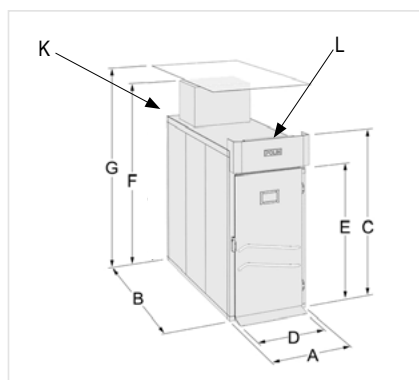


RETARDER PROVER CABINETS

FRIGOCELLA INDUSTRY 4.0 AVANT



(C) 2720 mm - (F) 3100 mm - (G) 3150 mm - (E) 2000 mm

TECHNICAL SPECIFICATIONS FOR INSTALLATION

MINIMUM WIDTH = $A + 50 \text{ mm}$ / MINIMUM DEPTH = $B + 100 \text{ mm}$
MINIMUM HEIGHT FOR INSTALLATION = PLEASE SEE BOTTOM OF THE DRAWING

K = PLACEMENT OF THE WATER OUTLET AND INLET DUCTS

WATER INLET

HEIGHT: 250 cm

SECTION: 3/4 SIMILAR TO WASHING MACHINE (THE CABINET IS SUPPLIED WITH WASHING MACHINE WATER SUPPLY HOSE)

WATER OUTLET

HEIGHT: 30 < 190 cm MAXIMUM

SECTION: DIAM. 32 (THE CABINET IS SUPPLIED WITH DRAIN HOSE, DIAM. 32)

L = PLACEMENT OF POWER SUPPLY INPUT

HEIGHT: 250 cm

SECTION: DEPENDING ON THE POWER

STRUCTURE	
<i>Panels</i>	<i>Isothermal (Insulated)</i>
<i>Insulation type</i>	<i>Poliurethane foam injected at high density</i>
<i>Insulation density</i>	<i>42 Kgs/mc</i>
<i>Insulation thickness</i>	<i>80 mm</i>
<i>Panels' connection</i>	<i>Dual action eccentric hooks</i>
<i>Inner panels' corners</i>	<i>Rounded</i>
<i>Inner panels' base corners</i>	<i>Rounded, injected in the floor</i>
<i>Inner surface</i>	<i>st/st AISI 304</i>
<i>Outer surface</i>	<i>St/st front AISI 304, lamplast side panels Polin grey</i>
<i>Ceiling outer surface</i>	<i>Lamplast panels Polin grey</i>
<i>Rack-bumper on inner perimeter</i>	<i>st/st AISI 304</i>
<i>Floor surface</i>	<i>Phenolic stratified resin</i>
<i>Floor thickness</i>	<i>45 mm</i>
HINGES	
<i>Finishing</i>	<i>Painted, with plastic cover</i>
<i>Self-lifting</i>	<i>To ease the opening and prevent seal wearing</i>
<i>Safety opening</i>	<i>Push-type</i>
CLOSING SYSTEM	
<i>Mechanism type</i>	<i>Self-closing gas piston</i>
<i>Handle type</i>	<i>Anti-bump handle in st/st AISI 304</i>
AIR DISTRIBUTION	
<i>Flow features</i>	<i>Single-direction with double aspiration circuit</i>
<i>Evaporator</i>	<i>Specific for retarder-prover</i>
<i>Evaporator covering</i>	<i>st/st AISI 316</i>
<i>Sheeting valve</i>	<i>Electronic</i>
<i>Horizontal channels</i>	<i>st/st AISI 304</i>
<i>Vertical channels</i>	<i>st/st AISI 304</i>
<i>Air speed inside the prover</i>	<i>Adjustable depending on phase and loads</i>
<i>Heating</i>	<i>INCOLOY 800 electric elements</i>
<i>Defrosting</i>	<i>INCOLOY 800 electric elements</i>

CONDENSER UNIT	
Refrigerating fluid	ODP = 0 (Ozone Depletion Potential = 0)
Refrigerating unit position	On to the ceiling or remote depending on size and needs
Condenser	Super-tropical for room temperature up to 43°C
Condenser cooling	By air
Compressor	Hermetic or semi-hermetic depending on size
Compressor cooling	Through sucked gas
HUMIDITY UNIT	
Type	Electronic with sunken electrodes
Control and regulation	Electronic with adjustable power depending on the difference between set-point and RH
Relative humidity range	45% - 99%
Dehumidifying	With exhaust fan and/or refrigerating unit depending on local conditions
CONTROL PANEL	
Temperature sensor	03 type PT1000 probe for prover inside, for bakery and for inner exchanger
Humidity sensor	Electronic probe with current signal 4-20mA
Electric board	Frontal, to ease maintenance and control operations
Control and display system	Color touch-screen with exclusive software, placed at ergonomic height
Inner lighth	LED lamps
OPERATION AND PROGRAMS	
Programs	100 programs, of which 90 can be customised
Retarder-prover cycle	Automatic from 1 to 10 phases
Alarms display	Sound and visual alarm with displayed description and troubleshooting guide
Alarms log	Date, time and suration log on solid memory
Remote connections	Pc, Tablet, Phone (with use of BakeApp 4.0)
Standard power supply	400/3N/50

TYPE	Overall width A	Overall length B	Useful width	Useful length	Number of doors	Door clearance	Roto racks capacity						Loaders capacity			Power consumption (max)	Output (-10°C/+45°C)	Number of internal units		
							4060	4666	4676	6065	6080	80100	80120	64x230 (L=170)	64x274 (L=214)				64x318 (L=258)	
	mm	mm	mm	mm		mm												kW	kW	
99x139	990	1390	760	935	1	760	2	1	1	1	1	--	--	--	--	--	3,7	1,7	1	
99x159		1590		1135			2	2	1	1	1	--	--	--	--	--				
99x179		1790		1335			2	2	1	2	1	--	--	--	--	--				
99x199		1990		1535			3	3	2	2	1	--	--	--	--	--	5,4	2,9		1
99x219		2190		1735			3	3	2	2	2	--	--	--	--	--				
99x239		2390		1935			4	3	2	3	2	--	--	--	--	--				
99x259		2590		2135			4	4	2	3	2	--	--	1	--	--				
99x279		2790		2335			5	4	3	3	2	--	--	1	--	--				
99x299		2990		2535			5	5	3	3	3	--	--	1	--	--				
99x319		3190		2735			6	5	3	4	3	--	--	1	1	--				
99x339		3390		2935			6	5	3	4	3	--	--	1	1	--				
99x359		3590		3135			6	6	4	4	3	--	--	1	1	1				
119x139	1190	1390	960	935	1	960	2	1	1	1	1	--	--	--	--	--	3,7	1,7	1	
119x159		1590		1135			3	2	2	1	1	1	--	--	--	--				
119x179		1790		1335			4	2	2	2	2	1	1	--	--	--				
119x199		1990		1535			4	3	3	2	2	1	1	--	--	--	5,4	2,9		1
119x219		2190		1735			5	3	3	2	2	1	1	--	--	--				
119x239		2390		1935			6	3	3	3	3	1	1	--	--	--				
119x259		2590		2135			6	4	4	3	3	2	1	1	--	--				
119x279		2790		2335			7	4	4	3	3	2	1	1	--	--				
119x299		2990		2535			8	5	5	3	3	2	2	1	--	--				
119x319		3190		2735			8	5	5	4	4	2	2	1	1	--				
119x339		3390		2935			9	5	5	4	4	2	2	1	1	--				
119x359		3590		3135			10	6	6	4	4	3	2	1	1	1				
119x139	1190	1390	800	1230	1	800	2	2	2	1	1	--	--	--	--	--	5,4	2,9	1	
119x159		1590		1430			3	2	2	2	1	--	--	--	--	--				
119x179		1790		1630			3	3	3	2	1	--	--	--	--	--				
119x199		1990		1830			3	3	3	2	2	--	--	--	--	--				
119x219		2190		2030			4	3	3	3	2	--	--	--	--	--				
119x239		2390		2230			4	4	4	3	2	--	--	--	--	--				
119x259		2590		2430			5	4	4	3	2	--	--	1	--	--				
119x279		2790		2630			5	5	5	3	3	--	--	1	--	--	10,8	3,5	2	
119x299		2990		2830			6	5	5	4	3	--	--	1	1	--				
119x319		3190		3030			6	5	5	4	3	--	--	1	1	--				
119x339		3390		3230			6	6	6	4	3	--	--	1	1	1				
119x359		3590		3430			7	6	6	5	4	--	--	1	1	1				

	TYPE	Overall width A	Overall length B	Useful width	Useful length	Number of doors	Door clearance	Roto racks capacity						Loaders capacity			Power consumption (max)	Output (-10°C/+45°C)	Number of internal units							
								4060	4666	4676	6065	6080	80100	80120	64x230 (L=170)	64x274 (L=214)				64x318 (L=258)						
		mm	mm	mm	mm		mm											kW	kW							
	139x139	1390	1390	1160	935	1	1160	3	2	2	1	1	1	--	--	--	--	5,4	2,9	1						
	139x159		1590		1135			4	2	2	1	1	1	--	--	--	--									
	139x179		1790		1335			4	3	3	2	2	1	1	--	--	--									
	139x199		1990		1535			5	4	4	2	2	1	1	--	--	--									
	139x219		2190		1735			6	4	4	2	2	2	1	--	--	--									
	139x239		2390		1935			6	5	4	3	3	2	1	--	--	--									
	139x259		2590		2135			7	6	5	3	3	2	1	1	--	--									
	139x279		2790		2335			8	6	6	3	3	2	1	1	--	--									
	139x299		2990		2535			9	7	6	3	3	2	2	1	--	--									
	139x319		3190		2735			10	8	6	4	4	3	2	1	1	--									
	139x339		3390		2935			11	8	7	4	4	3	2	1	1	--									
	139x359		3590		3135			11	8	8	4	4	3	2	1	1	1									
	TUNNEL		139x139		1390			1390	1000	1230	1	1000	3	2	2	1	1				1	--	--	--	5,4	2,9
139x159		1590	1430	4		2	2	2		2			1	1	--	--	--									
139x179		1790	1630	4		3	3	2		2			1	1	--	--	--									
139x199		1990	1830	5		3	3	2		2			1	1	--	--	--									
139x219		2190	2030	6		3	3	3		3			1	1	--	--	--									
139x239		2390	2230	6		4	4	3		3			2	1	--	--	--									
139x259		2590	2430	7		4	4	3		3			2	1	1	--	--									
139x279		2790	2630	8		5	5	3		3			2	2	1	--	--	10,8	3,5	2						
139x299		2990	2830	8		5	5	4		4			2	2	1	1	--									
139x319		3190	3030	9		5	5	4		4			2	2	1	1	--									
139x339		3390	3230	10		6	6	4		4			3	2	1	1	1									
139x359		3590	3430	10		6	6	5		5			3	2	1	1	1	10,8	5,8							
TUNNEL		159x139	1590	1390		1160	1230	1		1200			4	3	2	1	1	1	--	--	--	5,4	2,9	1		
	159x159	1590		1430	4		4		3		2	2	1	1	--	--	--									
	159x179	1790		1630	5		4		4		2	2	1	1	--	--	--									
	159x199	1990		1830	6		4		4		2	2	2	1	--	--	--									
	159x219	2190		2030	7		5		4		3	3	2	1	--	--	--									
	159x239	2390		2230	8		6		5		3	3	2	1	--	--	--									
	159x259	2590		2430	8		6		6		3	3	2	1	1	--	--									
	159x279	2790		2630	8		7		6		3	3	3	2	1	--	--	10,8	3,5	2						
	159x299	2990		2830	10		8		6		4	4	3	2	1	1	--									
	159x319	3190		3030	10		8		7		4	4	3	2	1	1	--									
	159x339	3390		3230	11		8		8		4	4	3	2	1	1	1									
	159x359	3590		3430	12		9		8		5	5	3	2	1	1	1	10,8	5,8							

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	mm	mm	mm	mm		mm													
179x139	1790	1390	1400	1195	2	1400	4	4	3	2	2	1	1	--	--	--	5,4	2,9	1
179x159		1590		1395			6	4	4	4	2	1	1	--	--	--			
179x179		1790		1595			6	6	4	4	3	1	1	--	--	--			
179x199		1990		1795			6	6	5	4	4	2	2	--	--	--			
179x219		2190		1995			8	6	5	6	4	2	2	--	--	--			
179x239		2390		2195			8	8	6	6	4	2	2	--	--	--			
179x259		2590		2395			10	8	6	6	5	2	2	2	--	--	10,8	5,8	2
179x279		2790		2595			10	10	8	6	6	3	3	2	--	--			
179x299		2990		2795			12	10	8	8	6	3	3	2	2	--			
179x319		3190		2995			12	10	8	8	6	3	3	2	2	--			
179x339		3390		3195			12	12	9	8	7	3	3	2	2	2			
179x359		3590		3395			14	12	10	10	8	3	3	2	2	2	16,2	8,7	3
179x379		3790		3595			14	14	11	10	8	4	4	2	2	2			
179x399		3990		3795			16	14	12	10	8	4	4	2	2	2			
179x419		4190		3995			16	14	12	10	9	4	4	2	2	2			
179x439		4390		4195			18	16	13	12	10	4	4	2	2	2	21,6	11,6	4
179x459		4590		4395			18	16	13	12	10	5	5	2	2	2			
199x139	1990	1390	1600	1195	2	1600	5	4	4	2	2	1	1	--	--	--	5,4	2,9	1
199x159		1590		1395			6	6	5	4	3	1	1	--	--	--			
199x179		1790		1595			8	6	6	4	4	1	1	--	--	--			
199x199		1990		1795			9	7	6	4	4	2	2	--	--	--			
199x219		2190		1995			10	8	7	6	4	2	2	--	--	--			
199x239		2390		2195			11	9	8	6	5	2	2	--	--	--	10,8	5,8	2
199x259		2590		2395			12	9	9	6	6	2	2	2	--	--			
199x279		2790		2595			13	11	9	6	6	3	3	2	--	--			
199x299		2990		2795			14	12	10	8	7	3	3	2	2	--			
199x319		3190		2995			15	12	11	8	7	3	3	2	2	--			
199x339		3390		3195			16	13	12	8	8	3	3	2	2	2	16,2	8,7	3
199x359		3590		3395			17	14	12	10	9	3	3	2	2	2			
199x379		3790		3595			18	15	13	10	9	4	4	2	2	2			
199x399		3990		3795			20	16	14	10	10	4	4	2	2	2			
199x419		4190		3995			20	17	15	12	10	4	4	2	2	2	21,6	11,6	4
199x439		4390		4195			21	18	15	12	11	4	4	2	2	2			
199x459		4590		4395			22	18	16	12	11	5	5	2	2	2			

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							4060	4666	4676	6065	6080	80100	80120	64x230 (L=170)	64x274 (L=214)				64x318 (L=258)
	mm	mm	mm	mm		mm										kW	kW		
219x139	2190	1390	1800	1195	2	1800	6	4	4	2	2	1	--	--	--	5,4	2,9	1	
219x159		1590		1395			8	6	4	4	4	2	2	--	--				--
219x179		1790		1595			8	6	6	4	4	2	2	--	--				--
219x199		1990		1795			9	7	6	4	4	2	2	--	--				--
219x219		2190		1995			11	8	6	6	6	2	2	--	--	--	10,8	5,8	2
219x239		2390		2195			12	10	8	6	6	4	2	--	--	--			
219x259		2590		2395			14	10	8	6	6	4	2	2	--	--			
219x279		2790		2595			14	11	8	6	6	4	4	2	--	--			
219x299		2990		2795			16	13	10	8	8	4	4	2	2	--	16,2	8,7	3
219x319		3190		2995			17	13	10	8	8	4	4	2	2	--			
219x339		3390		3195			17	14	12	8	8	6	4	2	2	2			
219x359		3590		3395			19	15	12	10	10	6	4	2	2	2			
219x379		3790		3595			20	16	12	10	10	6	4	2	2	2	21,6	11,6	4
219x399		3990		3795			22	17	14	10	10	6	6	2	2	2			
219x419		4190		3995			22	18	14	12	12	6	6	2	2	2			
219x439		4390		4195			24	20	16	12	12	8	6	2	2	2			
219x459				4590				4395			25	20	16	12	12	8	6	2	2
239x139	2390	1390	2000	1195	2	2000	7	5	4	2	3	2	1	--	--	--	5,4	2,9	1
239x159		1590		1395			8	6	4	4	4	2	2	--	--	--			
239x179		1790		1595			10	8	4	4	5	2	2	--	--	--			
239x199		1990		1795			11	8	6	4	6	2	2	--	--	--			
239x219		2190		1995			12	9	6	4	6	2	2	--	--	--	10,8	5,8	2
239x239		2390		2195			14	11	8	6	7	4	2	--	--	--			
239x259		2590		2395			15	11	9	6	8	4	2	2	--	--			
239x279		2790		2595			16	12	9	6	9	4	4	2	--	--			
239x299		2990		2795			16	14	10	8	9	4	4	2	2	--	16,2	8,7	3
239x319		3190		2995			18	14	10	8	10	4	4	2	2	--			
239x339		3390		3195			19	16	12	8	11	6	4	2	2	2			
239x359		3590		3395			20	16	12	10	12	6	4	2	2	2			
239x379		3790		3595			22	17	12	10	12	6	4	2	2	2	21,6	11,6	4
239x399		3990		3795			23	19	14	10	12	6	6	2	2	2			
239x419		4190		3995			24	19	15	10	13	6	6	2	2	2			
239x439		4390		4195			26	22	15	12	14	8	6	2	2	2			
239x459				4590				4395			27	22	16	12	15	8	6	2	2