

PRESENTATION

GRANBERING INTEGRAL WATERLOOP R-290

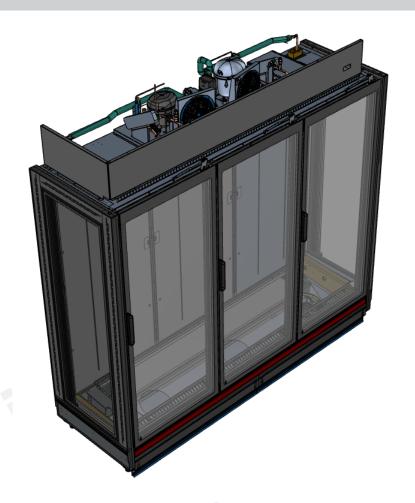
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GRANBERING INTEGRAL WATERLOOP R-290







Enter the new generation waterloop system

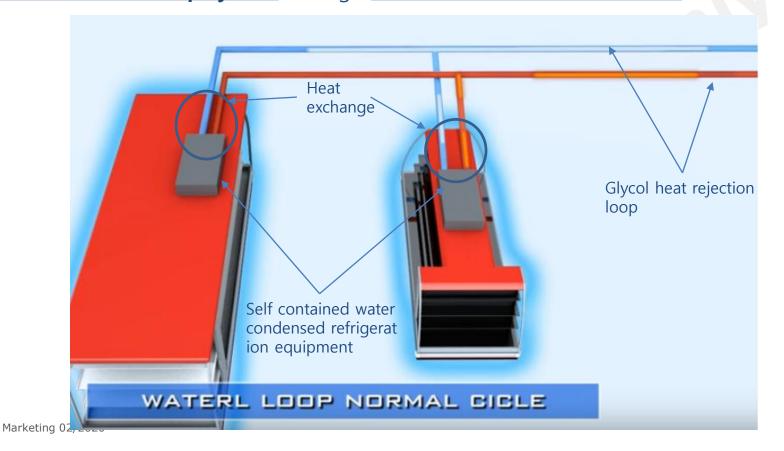
ABOUT WATERLOOP



What is a waterloop system?



Waterloop system is a <u>cost-effective solution</u> for stores, which allows to <u>connect self contained water condensed refrigeration equipment</u> to <u>glycol-cooled heat rejection loop</u>. Chilled or frozen <u>food heat is captured</u> by Costan cooling solutions and <u>rejected into waterloop system</u> through <u>INTEGRAL WATERLOOP device</u>.



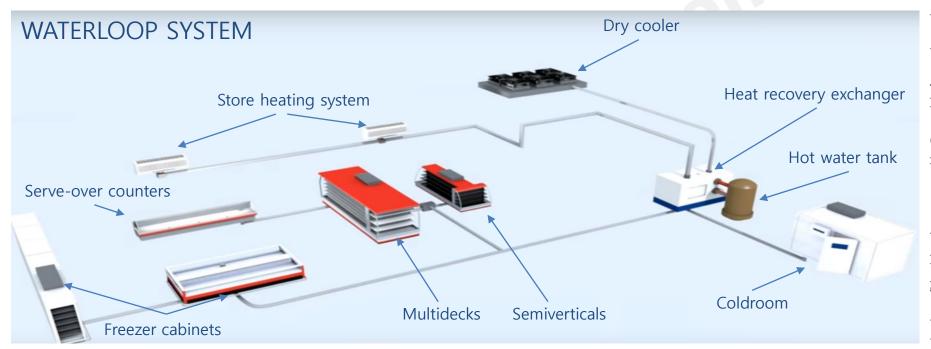
ABOUT WATERLOOP



What is a waterloop system?



Waterloop system <u>rejects excess condensation heat</u> through liquid pipes to a dry cooler <u>outside</u> <u>of the building</u> or through an <u>heat recovery</u> exchanger for building and water heating. This solution can be connected to various refrigeration units like <u>multidecks, semi</u> <u>verticals, serve-over counters, freezer cabinets</u> and also <u>coldrooms</u>.



ABOUT WATERLOOP



Main advantages



Waterloop system is an <u>alternative to traditional centralized/remote</u> supermarket refrigeration systems operating with racks of multiple compressors and other components installed in the machinery room, that are connected to a remote condenser and linked to multiple refrigeration display cases in the sales area through a refrigerant piping network.

Major advantages of waterloop system compared to remote solution:

- Energy efficient up to -30%
- Environmental friendly / F Gas compliant
- Lower installation and maintenance costs (copper refrigeration pipes replaced by hydraulic ones)
- Less piping work / faster connection
- Lower total gas charge up to -80%
- Reduced leakage risk up to -96%
- No additional machinery room needed
- Faster store set-up
- Lower power requirement and operating costs
- Lower refrigerant charge per unit
- Reduced carbon footprint
- Easy components replacement
- Easy integration with store heat recovery systems
- One loop only for both medium and low temperature display cases

INTEGRAL WATERLOOP



Product at a glance



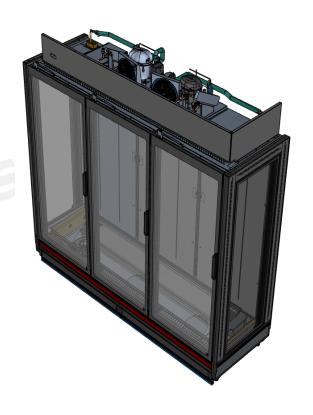
INTEGRAL WATERLOOP is a <u>full integrated</u> waterloop solution <u>preassembled</u> on GranBering cabinet vertical freezer.

INTEGRAL WATERLOOP is powered by last **generation**DC inverter compressor using R-290 (propane) low

GWP refrigerant complaint with normative gas charge of 150 grams per refrigeration circuit.

This new version has been <u>designed to reach high</u> <u>efficiency energy consumption performance</u> and in the meantime to <u>make installation and start up easier</u>.

INTEGRAL WATERLOOP offers a <u>large and flexible</u> range of <u>user friendly</u> cabinets with <u>enhanced</u> modularity adapted to all stores configurations from Hypermarkets to convenience stores.



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Product at a glance

GranBering INTEGRAL WATERLOOP product range

INTEGRAL WATERLOOP

Ordinating Militaria (17 Milliana)								
HEIGHT	Н	20	Н	COMPRESSORS				
DEPTH	EFFICIA	MODULAR	EFFICIA	MODULAR	PER CABINETS			
2D	X	х	х	х	1			
2D EOL	N/A	TM		TM	2			
3D	х	х	х	х	2			
3D EOL	N/A	х		х	2			
3D-S	N/A	TM		TM	2			
4D	X	X	X	Х	2			
5D	N/A							



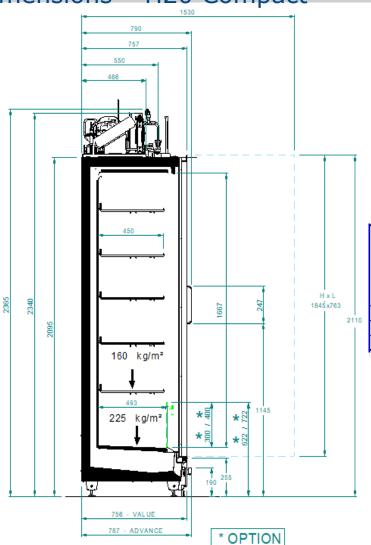
Main fetaures:

- Eco friendly natural refrigerant R290
- DC inverter compressor
- Dual circuit evaporator
- High efficiency micro plate condenser
- Smart communicating control
- Easy to install hydraulic options
- 230V / 1 ph / 50 hZ on 2 and 3 doors models



Dimensions - H20 Compact





Models	L (mm)	L (mm)		o (m²)	o kg	V (dm³)	TDA (m²)	io John for or
		Glass	Blind		Max	450	450	4
2P	1562	1664	1664	2,3	-	1218,4	2,3];
3P	2343	2445	2445	3,5	-	1827,5	3,5	2
4P	3124	3226	3226,00	5,0	-	2436,7	4,6	, c

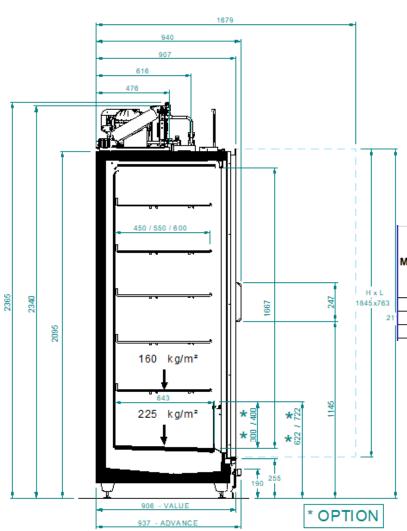
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Dimensions - H20 Narrow





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Models	L C	L (mm)		o (m²)	Q kg	V (dm³)			TDA (m²)		
		Glass	Blind		Max	450	550	600	450	550	600
2P	1562	1664	1664	2,3	-	1265,2	1562,0	1608,9	2,5	2,4	2,3
3P	2343	2445	2445	3,5	-	1897,8	2343,0	2413,3	3,8	3,6	3,5
4P	3124	3226	3226	4,6	-	2530,4	3124,0	3217,7	5,0	4,8	4,6

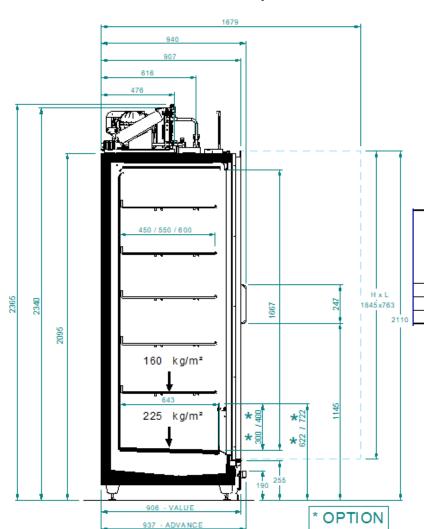
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Dimensions – H22 Compact





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Models L (mm) L (mm) Glass Blind Max 450	TDA (m²) 450
2P 1562 1664 1664 2,5 - 1327,7	2,5
3P 2343 2445 2445 3,8 - 1991,6	3,8
4P 3124 3226 3226,00 5,0 - 2655,40	5,0

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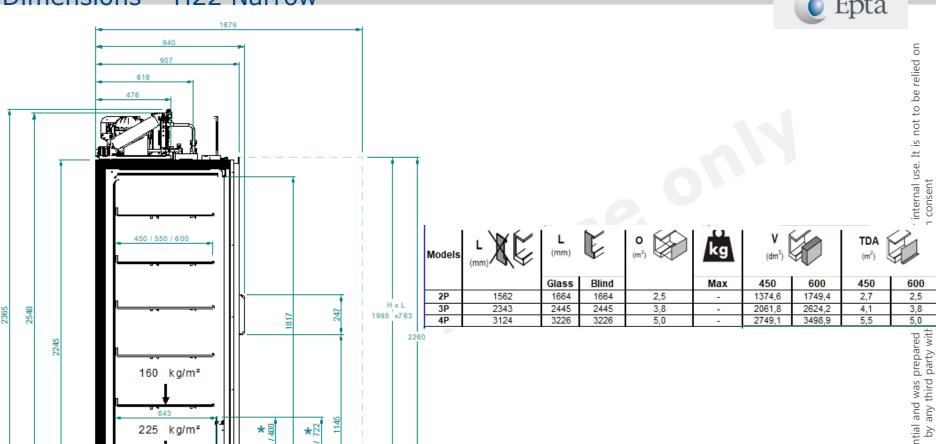
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Dimensions - H22 Narrow



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* OPTION

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Marketing 02/2020

906 - VALUE

937 - ADVANCE

PRODUCT OFFER

COSTAN

Additionnal options

Technical:

Controller Dixell XWi70K or Carel IR33

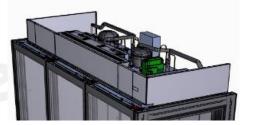




- Self evaporating water tray
 - ➤ 1 per unit on 2D/3D/3DS models
 - > 2 per unit on 4D models



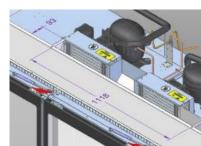
Flat condenser mask 150 mm



Mask height: 256 mm



• Water safety kit (Y filter, Autoflow valve, Air purgin)



Removable top grid for easier condenser cleaning





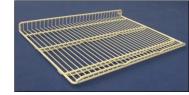


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Additionnal options

Merchandising:

Shelves: 450 / 550 / 600 mm



Ticket holders (shelves & chest): Paper H40, Universal rail, Hermes



Wired basket 200 / 400 mm



Multisolution front glass 300 / 400 mm

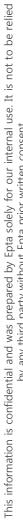


Pull out basket 400 mm



- Chest dividers 150 / 370 mm
- Shelves dividers 150 mm





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Additionnal options



Lay out:

2 doors / 3 doors EOL narrow

Insulated back painted

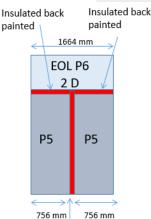
2445 mm

EOL P6
3 D

P6

P6

906 mm



- Blind or panoramic end walls (slate grey)
- End wall bumpers integrated or inox



Central end wall positive / negative







Epta S.p.A. participates in the ECC programme for: Refrigerated display cabinets (RDC); Check ongoing validity of certificate online: www.eurovent-certification.com or using: www.certiflash.com



