



# ARPEGE CRYOMEMO

ARPEGE line grows

Benefiting from the evolution of ESPACE and RCB ranges, the ARPEGE range adopts the innovative electronics CryoMemo.

Samples values require to master and optimize data management. ARPEGE CryoMemo guarantee optimal conservation conditions.

## Product Highlights

### Easy to control

- CryoMemo, user-friendly interface, ergonomic and intuitive menu with an easy access to all data.
- Level display in % and temperature in °C or °F associated with a simple access to all parameters of the container (level threshold high and low, alarm values ...)
- RS485 output and 4-20 available as standard for your traceability.
- Control secured with two temperature sensors and a third position available for an additional temperature sensor.
- Safety filling in standard version: the samples never are in contact with liquid nitrogen in gas version.
- Simultaneous filling available for all automatic filling versions.
- Degassing system available on option for all ARPEGE equipped with automatic filling.

### Simple to use

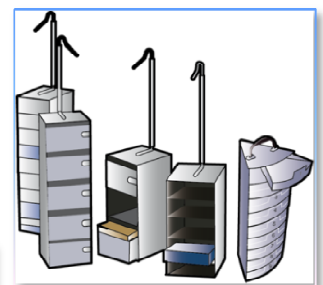
- Samples storage capacity is optimized with adapted inventory systems (vials 2 or 5ml, straws 0,25 - 0.5ml - CBS, bags 25ml)
- Optimum safety when manipulating racks thanks to individual blocking system of Cryo-boxes
- Easy Maintenance thanks to the new filling block



CryoMemo Display



Inventory Systems



Individual blocking system of Cryo-boxes

# ARPEGE CRYOMEMO



Models ARPEGE	Liquid phase						
	ARP40	ARP70	ARP110	ARP140	ARP170	ARP55	ARP75
<b>Features</b>	<b>Liquid or gas phase</b>						
Liquid Nitrogen Capacity (l) liquid phase	40	72	116	144	172	55	72
Liquid Nitrogen Capacity (l) gas phase		15		20			
Height with Cryomemo(mm)	970	921	1145	1094	1211	1035	1200
Width (mm)	468	586		683		468	
Depth (mm)	552	673		770		546	
Neck diameter (mm)	120	215				378	
Static holding time (D) <sup>(1)</sup> liquid phase	138	120	178	222	246	23	29
Static holding time (D) (1) gas phase		25	23	30	28		
Daily evaporation (l/d) <sup>(1)</sup>	0,29	0,6	0,65	0,65	0,7	2,4	2,5
Weight empty without equipment (kg)	22	47	57	68	74	27	30
Weight full without equipment (kg) Liq.	54	105	150	184	212	72	88
Weight full without equipment (kg) Gas		59	69	84	90		
Level display	%						
Temperature display	°C / °F						
Connector LN2	Thread: ¾" - 16 UNF 2A-RH						

Samples capacity	ARP40	ARP70	ARP110	ARP140	ARP170	ARP55	ARP75
Vial 2ml Liquid phase / Gas phase	750 <sup>(2)</sup> /	2000 <sup>(3)</sup> / 1600 <sup>(3)</sup>	3600 <sup>(3)</sup> / 3200 <sup>(3)</sup>	4800 <sup>(3)</sup> / 4200 <sup>(3)</sup>	6000 <sup>(3)</sup> / 5400 <sup>(3)</sup>	3618 <sup>(4)</sup> /	4824 <sup>(4)</sup> /
Vial 5ml Liquid phase / Gas phase		972 <sup>(5)</sup> / 648 <sup>(5)</sup>	1620 <sup>(5)</sup> / 1296 <sup>(5)</sup>	1944 <sup>(5)</sup> / 1458 <sup>(5)</sup>	2430 <sup>(5)</sup> / 1944 <sup>(5)</sup>	1071 <sup>(6)</sup> /	2142 <sup>(6)</sup> /
Straw 0,25ml		15640 <sup>(7)</sup>	23460 <sup>(7)</sup>	35190 <sup>(7)</sup>	46920 <sup>(7)</sup>	51660 <sup>(8)</sup>	68880 <sup>(8)</sup>
Straw 0,5ml		6120 <sup>(7)</sup>	9180 <sup>(7)</sup>	13770 <sup>(7)</sup>	18360 <sup>(7)</sup>	22995 <sup>(8)</sup>	30660 <sup>(8)</sup>
Straw CBS <sup>TM</sup> (0,3ml - 0,5ml)		4080 <sup>(7)</sup>	6120 <sup>(7)</sup>	9180 <sup>(7)</sup>	12240 <sup>(7)</sup>	14175 <sup>(8)</sup>	18900 <sup>(8)</sup>
Bag 25ml Liquid phase / Gas phase		132 / 88	220 / 176	330 / 264	396 / 330		
Specific samples	Contact us						

(1):Daily evaporation and static holding time are given for the following conditions: 20°C, 1 013 mb, and vessel is stationary with lid closed.

These are nominal values and may vary according to the history of the vessel and the manufacturing tolerances.

(2):Box of 25 vials capacity

(3):Box of 100 vials capacity (use also with box of 81 vials)

(4):Rack type "camembert" capacity without electronic device. With electronic, remove 1/6

(5):Box of 81 vials capacity

(6):Canister + cane for vials capacity

(7):Rack + visotube Ø12 mm capacity

(8):Canister + standard goblet

# ARPEGE CRYOMEMO

REF SAP	REF CRYOPAL	Vessel without any equipment	Indicators: Level + Temperature	Server option	4-20mA & RS485 Output for Tele Monitoring	MEMO Traceability	Automatic Filling	Degasing Option
171956	<b>ARPEGE40N-L-1</b>	#						
171957	<b>ARPEGE40N-L-101</b>	#	#	#	#	#		
171958	<b>ARPEGE70N-L-1</b>	#						
171959	<b>ARPEGE70N-L-101</b>	#	#	#	#	#		
171960	<b>ARPEGE70N-L-102</b>	#	#	#	#	#	#	
171961	<b>ARPEGE70N-L-103</b>	#	#	#	#	#	#	#
171962	<b>ARPEGE70N-G-102</b>	#	#	#	#	#	#	
171963	<b>ARPEGE70N-G-103</b>	#	#	#	#	#	#	#
171964	<b>ARPEGE110N-L-1</b>	#						
171965	<b>ARPEGE110N-L-101</b>	#	#	#	#	#		
171966	<b>ARPEGE110N-L-102</b>	#	#	#	#	#	#	
171967	<b>ARPEGE110N-L-103</b>	#	#	#	#	#	#	#
171968	<b>ARPEGE110N-G-102</b>	#	#	#	#	#	#	
171969	<b>ARPEGE110N-G-103</b>	#	#	#	#	#	#	#
171970	<b>ARPEGE140N-L-1</b>	#						
171971	<b>ARPEGE140N-L-101</b>	#	#	#	#	#		
171972	<b>ARPEGE140N-L-102</b>	#	#	#	#	#	#	
171973	<b>ARPEGE140N-L-103</b>	#	#	#	#	#	#	#
171974	<b>ARPEGE140N-G-102</b>	#	#	#	#	#	#	
171975	<b>ARPEGE140N-G-103</b>	#	#	#	#	#	#	#
171976	<b>ARPEGE170N-L-1</b>	#						
171977	<b>ARPEGE170N-L-101</b>	#	#	#	#	#		
171978	<b>ARPEGE170N-L-102</b>	#	#	#	#	#	#	
171979	<b>ARPEGE170N-L-103</b>	#	#	#	#	#	#	#
171980	<b>ARPEGE170N-G-102</b>	#	#	#	#	#	#	
171981	<b>ARPEGE170N-G-103</b>	#	#	#	#	#	#	#
171982	<b>ARPEGE55N-L-1</b>	#						
171983	<b>ARPEGE55N-L-101</b>	#	#	#	#	#		
171984	<b>ARPEGE55N-L-102</b>	#	#	#	#	#	#	
171985	<b>ARPEGE55N-L-103</b>	#	#	#	#	#	#	#
171986	<b>ARPEGE75N-L-1</b>	#						
171987	<b>ARPEGE75N-L-101</b>	#	#	#	#	#		
171988	<b>ARPEGE75N-L-102</b>	#	#	#	#	#	#	
171989	<b>ARPEGE75N-L-103</b>	#	#	#	#	#	#	#

Liquid

Gas

# ARPEGE CRYOMEMO

## Inventory Systems

	REF SAP	REF CRYOPAL	PRODUCT DESIGNATION
2ml Vial	168 456	ACC-RACK-100	Set of 6 racks 5 levels for Vials 2 ml (Arpege40)
	168 457	ACC-RACK-101	Set of 4 Racks 5 levels for Vials 2 ml (Arpege70)
	172 511	ACC-RACK-102	Set of 4 Racks 9 levels for Vials 2 ml (Arpege110)
	168 458	ACC-RACK-103	Set of 6 Racks 8 levels for Vials 2 ml (Arpege140)
	168 459	ACC-RACK-104	Set of 6 Racks 10 levels for Vials 2 ml (Arpege170)
	168 463	ACC-RACK-109	Set of 6 Racks 9 levels for Vials 2ml (type "Camembert") (Arpege55)
	168 464	ACC-RACK-110	Set of 6 Racks 12 levels for Vials 2ml (type "Camembert") (Arpege75)
	168 444	ACC-PLASCAN-108	Set (21 Canisters + 21 goblets) for Tube 1,2/2 & 5ml (Arpege55)
	168 446	ACC-PLASCAN-110	Set (21 Canisters + 42 goblets) for Tube 1,2/2 & 5ml (Arpege75)
2ml Vial	168 529	ACC-RACK-300	Set of 4 Racks 4 levels for Vials 2 ml (Arpege70 Gas)
	168 530	ACC-RACK-301	Set of 4 Racks 8 levels for Vials 2 ml (Arpege110 Gas)
	168 531	ACC-RACK-302	Set of 6 Racks 7 levels for Vials 2 ml (Arpege140 Gas)
	168 532	ACC-RACK-303	Set of 6 Racks 9 levels for Vials 2 ml (Arpege170 Gas)
5 ml Vial	168 460	ACC-RACK-105	Set of 4 Racks 3 levels for Vials 5 ml (Arpege70)
	172 513	ACC-RACK-106	Set of 4 Racks 5 levels for Vials 5 ml (Arpege110)
	168 461	ACC-RACK-107	Set of 6 Racks 4 levels for Vials 5 ml (Arpege140)
	168 462	ACC-RACK-108	Set of 6 Racks 5 levels for Vials 5 ml (Arpege170)
	168 444	ACC-PLASCAN-108	Set (21 Canisters + 21 goblets) for Tube 1,2/2 & 5ml (Arpege55)
	168 446	ACC-PLASCAN-110	Set (21 Canisters + 42 goblets) for Tube 1,2/2 & 5ml (Arpege75)
5ml Vial	168 533	ACC-RACK-304	Set of 4 Racks 2 levels for Vials 5 ml (Arpege70 Gas)
	168 534	ACC-RACK-305	Set of 4 Racks 4 levels for Vials 5 ml (Arpege110 Gas)
	168 535	ACC-RACK-306	Set of 6 Racks 3 levels for Vials 5 ml (Arpege140 Gas)
	168 536	ACC-RACK-307	Set of 6 Racks 4 levels for Vials 5 ml (Arpege170 Gas)
Straw	172 512	ACC-RACK-111	Set of 4 Racks 2 levels for Straws (Arpege70)
	168 465	ACC-RACK-112	Set of 4 Racks 3 levels for Straws (Arpege110)
	168 466	ACC-RACK-113	Set of 6 Racks 3 levels for Straws (Arpege140)
	168 467	ACC-RACK-114	Set of 6 Racks 4 levels for Straws (Arpege170)
	168 443	ACC-PLASCAN-107	Set (21 Canisters + 84 goblets) for Straws (Arpege75)
	168 445	ACC-PLASCAN-109	Set (21 Canisters + 63 goblets) for Straws (Arpege55)

Liquid

Gas