



## AR

GLASSLINED ACCUMULATORS FOR AIR CONDITIONING / HEATING SYSTEMS (from 1500 L only for chilled water)

96 - 5.129 litres

### INTERNAL GLASSLINING:

DIN 4753 | The glasslining treatment makes the accumulator resistant to corrosive phenomena.  
The glasslining treatment makes the cylinder suitable to contain hot water and resistant to corrosive phenomena.

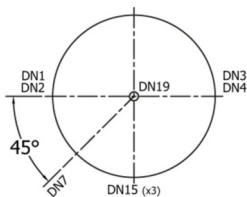
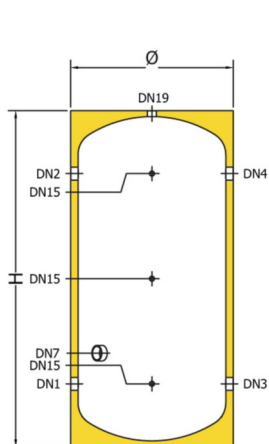
### INSTALLATION

Use as a thermal flywheel in air conditioning systems to optimize the cooling inertia and increase the volume of chilled water.

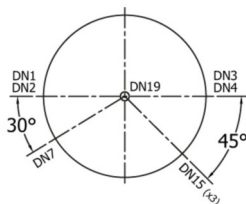
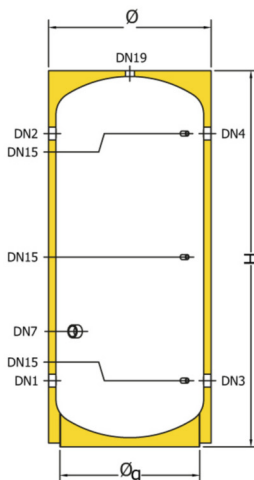
### CHARACTERISTICS

MAX TEMPERATURE (mod. fino AR 500)	95 °C	MAX PRESSURE (mod. 100 - 1000)	10 bar
MAX TEMPERATURE (mod. da AR 800)	50 °C	MAX PRESSURE (mod. 1500 - 5000)	6 bar

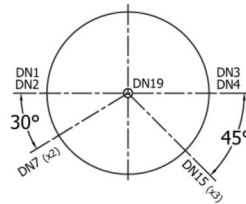
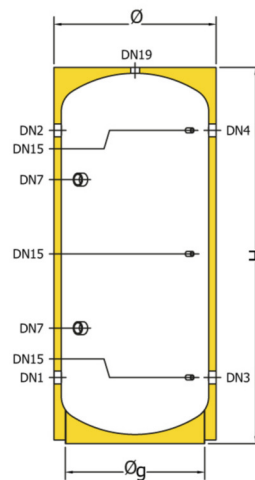
**AR 100**



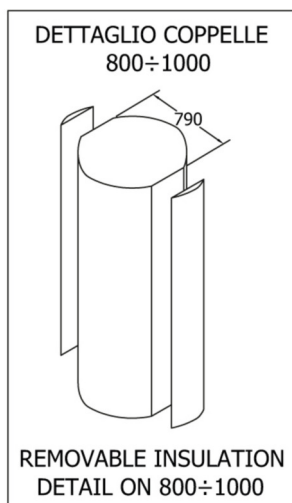
**AR 200 - 500**



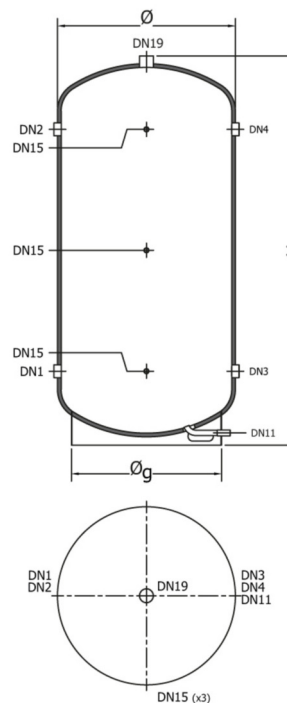
**AR 800 - 1000**



## AR 800 - 1000 CUPS



## AR 1500 - 5000



### Keyword

DN	Description
DN1	Flow from chiller
DN2	Flow to chiller
DN3	Flow to heating system
DN4	Flow from heating system
DN7	Predisposition for immersion heater
DN11	Drain
DN15	Probe
DN18	Auxiliary connection
DN19	Auxiliary connection

Model	Code	Energy label	St. loss W	Capacity L	H mm	Ø skirt mm	Ø mm	Pm mm
AR 100	A460L38 PGP55	B	43	96	960		510	1090
AR 200	A460L47 PGP55	B	57	195	1200	460	610	1350
AR 300	A460L51 PGP75	B	67	282	1670	460	650	1800
AR 500	A460L55 PGP55	C	91	494	1735	600	750	1900
AR 800	A460L60 PGP75	C	131	747	1815	760	940	2050
AR 1000	A460L62 PGP75	C	136	868	2065	760	940	2270
AR 1500	A460H67 VB120			1643	2470	850	1040	2680
AR 2000	A460H70 VB120			1952	2450	950	1140	2705
AR 3000	A460H74 VB120			2986	2840	1100	1290	3120
AR 5000	A460H80 VB120			5129	3035	1450	1640	3450

Pm: pivot measurement

## Connection heights (mm)

MODEL	DN1	DN2	DN3	DN4	DN7	DN7	DN7	DN11	DN15	DN15	DN15	DN18	DN19
AR 100	235	715	235	715	-	315	315	-	235	715	475	-	-
AR 200	255	915	255	915	-	505	505	-	255	915	585	-	-
AR 300	260	1360	260	1360	-	585	585	-	260	1360	810	-	-
AR 500	320	1390	320	1390	-	730	730	-	320	1390	855	-	-
AR 800	350	1420	350	1420	1260	510	510	-	350	1420	885	-	-
AR 1000	350	1670	350	1670	1460	560	560	-	350	1670	1010	-	-
AR 1500	485	2005	485	2005	-	-	-	80	485	2005	1245	-	-
AR 2000	475	1995	475	1995	-	-	-	80	475	1995	1235	-	-
AR 3000	540	2320	540	2320	-	-	-	80	540	2320	1430	-	-
AR 5000	635	2415	635	2415	-	-	-	80	635	2415	1525	-	-

## Connection sizes

MODEL	DN1	DN2	DN3	DN4	DN7	DN7	DN11	DN15	DN18	DN19
AR 100	G1.1/2"	G1.1/2"	G1.1/2"	G1.1/2"	G1.1/2"	G1.1/2"	-	G1/2"	-	G1.1/4"
AR 200	G1.1/2"	G1.1/2"	G1.1/2"	G1.1/2"	G1.1/2"	G1.1/2"	-	G1/2"	-	G1.1/4"
AR 300	G2"	G2"	G2"	G2"	G1.1/2"	G1.1/2"	-	G1/2"	-	G1.1/4"
AR 500	G3"	G3"	G3"	G3"	G1.1/2"	G1.1/2"	-	G1/2"	-	G1.1/4"
AR 800	G3"	G3"	G3"	G3"	G1/2"	G1/2"	-	G1/2"	G1.1/2"	G1.1/2"
AR 1000	G3"	G3"	G3"	G3"	G1.1/2"	G1.1/2"	-	G1/2"	G1.1/2"	G1.1/2"
AR 1500	G3"	G3"	G3"	G3"	-	-	G1"	G1/2"	-	G3"
AR 2000	G3"	G3"	G3"	G3"	-	-	G1"	G1/2"	-	G3"
AR 3000	G4"	G4"	G4"	G4"	-	-	G1"	G1/2"	-	G3"
AR 5000	G4"	G4"	G4"	G4"	-	-	G1"	G1/2"	-	G3"

## Insulation characteristics

Model	Insulation type	Thickness (mm)	Finish
AR 100	Rigid expanded polyurethane with 95% closed cells, CFC and HCFC free, fire resistance class B2 acc. to DIN 4102-1	55	Grey polystyrene RAL 9006
AR 200	Rigid expanded polyurethane with 95% closed cells, CFC and HCFC free, fire resistance class B2 acc. to DIN 4102-1	55	Grey polystyrene RAL 9006
AR 300	Rigid expanded polyurethane with 95% closed cells, CFC and HCFC free, fire resistance class B2 acc. to DIN 4102-1	75	Grey polystyrene RAL 9006
AR 500	Rigid expanded polyurethane with 95% closed cells, CFC and HCFC free, fire resistance class B2 acc. to DIN 4102-1	55	Grey polystyrene RAL 9006
AR 800	Rigid expanded polyurethane with 95% closed cells, CFC and HCFC free, fire resistance class B2 acc. to DIN 4102-1	75	Grey PVC RAL 9006
AR 1000	Rigid expanded polyurethane with 95% closed cells, CFC and HCFC free, fire resistance class B2 acc. to DIN 4102-1	75	Grey PVC RAL 9006
AR 1500	Closed cells polyethylene	20	blue RAL 5015 PVC
AR 2000	Closed cells polyethylene	20	blue RAL 5015 PVC
AR 3000	Closed cells polyethylene	20	blue RAL 5015 PVC
AR 5000	Closed cells polyethylene	20	blue RAL 5015 PVC

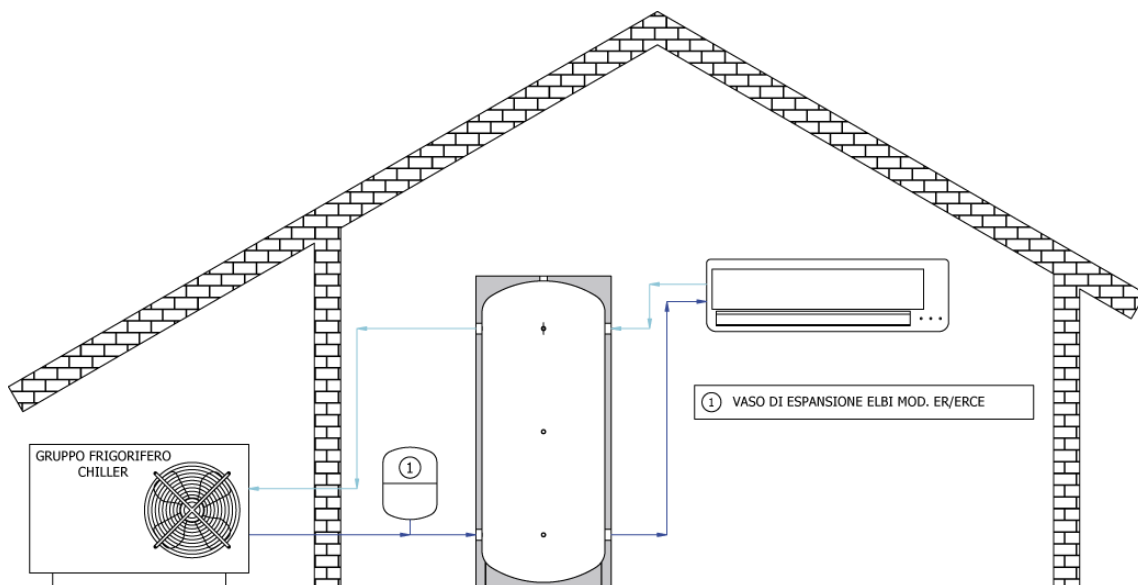
## REFERENCE STANDARD:

CYLINDER: | Directive 2014/68/EU – ART. 4.3, with exemption from CE marking. Standard EN 12897:2020 (models from 100 to 1000 liters only). Designed and built in accordance with the requirements of 2009/125/EC and Regulation 814/2013 (EU) (only models from 100 to 1000 litres).

Warranty: 5 years

## Example of installation

AR



Illustrative diagram; always refer to a qualified technician for the realization of the systems.

Rev. date 19/07/2023