

77-0510



AR INOX
Rapid
Accumulator
stainless steel AISI 316
with plate heat exchanger



RAPID ACCUMULATOR

in stainless steel AISI 316



Rapid vertical accumulators **SILE AR**, in stainless steel AISI 316, with high output for hot sanitary water produced by external stainless steel heat exchanger. This ensures that high peak demand can be satisfied. An automatic water mix system with thermostatic pump control (CIR) is utilised to prevent water temperature stratification.

The storage system design helps prevent against "legionella" with destratification within the cylinder. Entirely insulated in rigid polyurethane with high heat seal with PVC external finishing.

Working pressure 8 bar.

Product CE approved according to P.E.D. norm 97/23/CE, par. 3.3.

Dimensions and characteristics

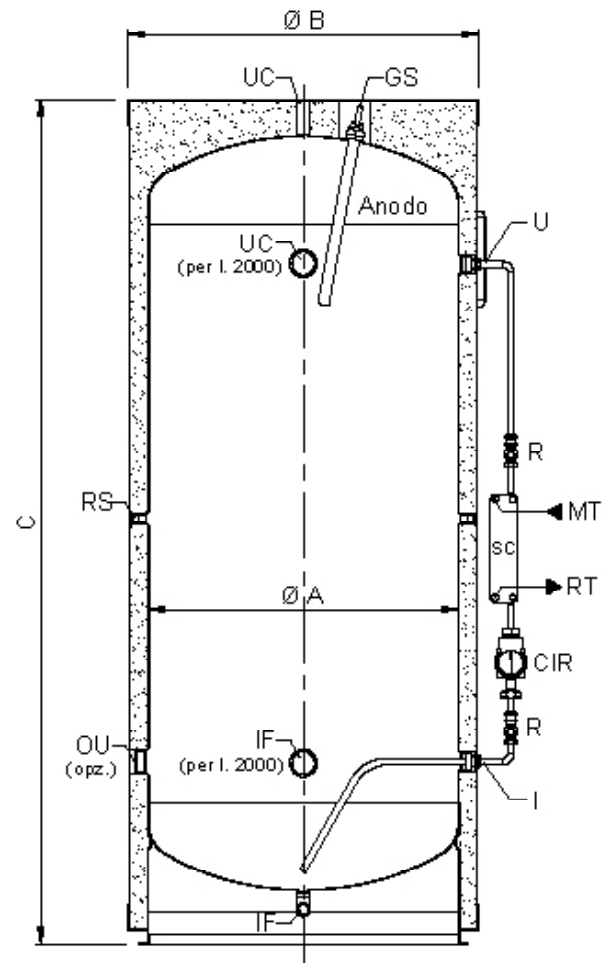
Legend connections:

- U** = hot sanitary water from heat exchanger
- I** = cold or mix water inlet
- SC** = plate heat exchanger
- CIR** = circulation pump
- R** = ball cock
- RS** = sanitary water recirculation Ø3/4"
- MT** = heating boiler flow Ø3/4"
- RT** = heating boiler return Ø3/4"
- UC** = sanitary hot water outlet
- IF** = cold sanitary water inlet
- OU** = "optional" additional connection
- GS** = lifting hook

NB.: on request DN100 inspection hatchway

model	Dimensions			Ø Connections		
	ØA	ØB	C	OU	UC	IF
230	450	560	1670	1" 1/2	1"	1"
350	550	660	1715	1" 1/2	1"	1"
450	550	660	2115	1" 1/2	1"	1"
600	700	810	1780	2"	1" 1/4	1" 1/4
800	700	810	2305	2"	1" 1/4	1" 1/4
1000	900	1010	1995	2" 1/2	1" 1/2	1" 1/2
1400	900	1010	2425	2" 1/2	1" 1/2	1" 1/2
2000	1040	1150	2750	2"	* 2"	* 2"

* side connections



Characteristics

model	Storage l	Type of plate heat exchanger n° plates	Flow rate secondary circuit heat exchanger l/h	Average temperature primary heat exchanger °C	Flow rate primary circuit heat exchanger l/h	Load loss primary circuit heat exchanger m H ₂ O	Power sanitary heat exchanger kW	Hot sanitary water production in continuous service with Δt 50°C l/h	Max. hot sanitary water production in the first 10' with Δt 50°C l	Max. hot sanitary water production in the first hour with Δt 50°C l
350	350	30	1650	70	4200	4,9	98	1690	630	2040
450	450	40	1650	70	5160	4,6	120	2060	795	2520
600	600	40	1650	70	5160	4,6	120	2060	945	2650
800	800	40	1650	70	5160	4,6	120	2060	1145	2860
1000	1000	40	2420	70	7560	4,6	175	3010	1500	4010
1400	1400	40	2420	70	7560	4,6	175	3010	1900	4410
2000	2000	40	2420	70	7560	4,6	175	3010	2402	4910

Head Office: THERMPAK SYSTEMS LTD 2 Pineridge, Donaghadee Co Down. BT21 0QR Tel +44(0)28 91 883875
Dublin tel +353 1 2820624 or mobile +353 87 7485333

e mail ivan@tpsheatexchangers.com www.tpsheatexchangers.com david@tpsheatexchangers.com