

# VIADRUS

*Power of heating*

## Accumulation tanks

### Accu tanks for heating and hot water preparation

Accumulation tanks are mainly destined for optimization of heat energy economy using solid fuel boilers, pyrolytic boilers, solar systems and other low-potential or contrarily heat sources regulated with difficulty. The tank actually makes possible separation of heat generation and its consumption from the point of view of time and hydraulics. Thus is possible to optimize mutually the heat production and its consumption, using effectively the efficiency. Tanks equipped with built-in inner tank or spiral can be used for hot water heating as well. It is recommended to use distilled water or treated water with corrosion inhibitors.

#### Advantages:

- combination of more heat sources in one building
- immediate supply of accumulated heat in time of need
- storage of surplus heat from difficult regulated sources (hot-water fireplaces, solid fuel boilers)
- using of low-potential heat from renewable sources as solar systems or heat pumps
- using of waste heat from technological processes
- prolongation of heating intervals in a temporary period
- possibility of connection of an additional electrical heating source
- hot water heating in chosen types

#### Heat carrier:

- distilled water
- treated water with corrosion inhibitors

#### Volume (according to type):

- 200~2000 l



CE

## Technical parameters

Type designation	Heating water tank volume [l]	DHW tank volume [l]	Overall diameter w / w/o insulation [mm]	Overall height [mm]	Dry weight without insulation [kg]	Maximum operation pressure tank/spiral [bar]	Maximum temperature of heating agents [°C]	Number of connecting points for heating+DHW [ks]	Number of connecting points for sensors [ks]	Type of insulating PUR foam [-]
AkuECONOMY 200L	200	-	700 / 550	1105	60	3	95	5	4	hard
AkuECONOMY 300L	300	-	700 / 550	1370	75	3	95	8	3	hard
AkuECONOMY 500L	500	-	800 / 600	1905	105	3	95	8	3	hard
AkuECONOMY 800L	800	-	990 / 790	1730	125	3	95	8	3	soft
AkuECONOMY 1000L	1000	-	990 / 790	2050	150	3	95	8	3	soft
AkuECONOMY 1500L	1500	-	1100 / 900	2700	210	3	95	8	3	soft
AkuECONOMY 2000L	2000	-	1300 / 1100	2410	235	3	95	8	3	soft
AkuECONOMY S 500L	500	-	800 / 600	1905	145	3 / 6	95	8+2	3	soft
AkuECONOMY S 800L	800	-	990 / 790	1730	173	3 / 6	95	8+2	3	soft
AkuECONOMY S 1000L	1000	-	990 / 790	2050	205	3 / 6	95	8+2	3	soft
AkuECONOMY S 1500L	1500	-	1100 / 900	2700	275	3 / 6	95	8+2	3	soft
AkuECONOMY S 2000L	2000	-	1300 / 1100	2410	310	3 / 6	95	8+2	3	soft
AkuCOMFORT 500L	500	-	1000 / 800	1905	145	3	95	4+4	2	hard
AkuCOMFORT 750L	800	-	1190 / 990	1730	173	3	95	4+4	2	hard
AkuCOMFORT 1000L	1000	-	1190 / 990	2050	205	3	95	4+4	2	hard
AkuCOMFORT 1500L	1500	-	1300 / 1100	2680	275	3	95	4+4	2	hard
AkuCOMFORT 2000L	2000	-	1500 / 1300	2475	310	3	95	4+4	2	hard
AkuCOMBI 500/160L	340	160	900 / 700	1730	220	3 / 6	100	7+4	2	hard
AkuCOMBI 600/200L	400	200	850 / 700	1920	295	3 / 6	100	7+4	2	hard
AkuCOMBI 800/200L	600	200	1050 / 900	2000	485	3 / 6	100	7+4	2	hard
AkuCOMBI 1000/200L	800	200	1050 / 900	2000	485	3 / 6	100	7+4	2	hard

### AkuECONOMY

- simple storage tank
- only heat accumulation for heating
- possibility of connection of more heat sources
- compatible with an additional electrical heating source
- removable insulation
- supply with insulation or without

### AkuECONOMY S

- steel spiral with a possibility of connection of other heating agent (e.g. glycol in solar systems)
- only heat accumulation for heating
- possibility of connection of more heat sources
- compatible with an additional electrical heating source
- removable insulation
- supply with insulation or without

### AkuCOMFORT

- upper ribbed copper spiral for flowing heat of hot water
- lower steel spiral with a possibility of connection of other heating agent (e.g. glycol in solar systems)
- heat accumulation for heating and possibility of DHW preparation
- possibility of connection of more heat sources
- compatible with an additional electrical heating source
- removable insulation
- supply with insulation or without

### AkuCOMBI

- design "tank-in-tank"
- inner hot water storage tank enamelled inside
- one spiral inside storage tank for hot water heating
- hot water heating with a spiral or ambient heating water in the main storage tank
- possibility of connection of more heat sources
- compatible with an additional electrical heating source
- non-removable insulation
- supply only with insulation



Removable soft polyurethane insulation



Example of connecting points layout

Your dealer