purification made perfect

the world begins with water
and we make it pure

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Traditional Quality

For over 20 years, our partners across the Globe have been using Livam equipment in research and medical labs, in science and other industries. Livam designs and manufactures reliable water treatment devices.

All units have CE mark and comply with valid European standards.

Livam Water Stills are highly efficient thanks to distilling heated cooling water. Units are reliable, easy to maintain, user and service friendly.

Our Stills produce low gas, ultra pure, pyrogen-free distillate with very low conductivity.

Livam GmbH is a full cycle manufacturer of a wide range of Double Stills, Reagent Water (type I and type II) Generating Systems, Water Deionizers and Stills with production capacities ranging from 1 to 210 liters per hour. Livam units can be equipped with coolers, wall brackets, spare parts, if required.

High quality of Livam units is maintained in accordance with international standards and certified as per ISO 9001:2015.

Join our long history for your best experience of being a partner of Livam.

AE series Water Stills

Electrical conductivity of distillate: 2.0-2.2 μS/cm at 25°C Designed for production of distilled water (non-pyrogenic)

AE-4

AE-5

AE-10

- Body and main parts are made of AISI 321 high-alloy stainless steel
- Automatic water level control in the evaporation chamber. Automatic low water shutdown
- Energy and water saving system
- CO_2 degassing system
- Separate circuit water feed modification enables separate water feeding for evaporation and cooling
- AE series Water Stills with two water supply circuits:
  – Low water consumption through the use of recycling water for distillate cooling (if there is a recycling water supply at a customer's site)
  – Reduced scale formation on heating elements in the evaporation chambers through possible use of preliminary purified water for evaporation
  – Significantly increased service life of heating elements
  – Increased cleaning intervals for evaporation chambers and condensers
- Double shell protects operating personnel from thermal burns and contact with working elements
- Removable cooler enables distillate cooling. The cooler can be mounted to the distiller
- Demountable design of the condensation chamber enables visual inspection of scale formation, easy sediment cleaning, maintenance and repair
- Standard set includes spare tubular heating elements, a spare electrode of the water sensor, supply water hoses and distillate collection hoses, connecting clamps
- Desktop or wall mountable. Optional wall bracket
- Distillers can be combined with a purified water storage tank into an automatically operating system ensuring automatic water and power supply turning off when the storage tank is full and its turning on when it is empty
- Lifetime: above 8 years, warranty period: 12 months

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AE-15

AE-25

Technical Data

Model	Capacity L / h	Cooling water requirement L / h approx.	Exterior dimensions mm approx.			Electrical connection		Weight kg approx.		Packing volume approx m^3
			Width	Depth	Height	Voltage, V (50...60 Hz)	Power consumption kW	net	gross cardboard box	
AE-4	4	30	260	215	370	230	3.0	6.5	9	0.05
AE-5	5	36	260	215	370	230	3.5	6.5	9	0.05
AE-10	10	75	335	275	460	400	7.2	11	15	0.09
AE-15	15	110	335	275	460	400	9.0	11	15	0.09
AE-25	25	180	365	310	580	400	16.2	16	20	0.13

AE series Water Stills

with built-in distillate storage tank

AE-4/8

Electrical conductivity of distillate:
2.0-2.2 μS/cm at 25°C
Designed for production of distilled water (non-pyrogenic) followed by its accumulation in a built-in storage tank

- Body and main parts are made of AISI 321 high-alloy stainless steel

- Fully automatic control system:
– regulates amount of water for evaporation
– stops water and power supply when water tank is full
– turns on when distillate is drawn off from the storage tank

- Energy and water saving system

- Low water consumption to produce 1 liter of distilled water

- High distillate quality

- CO_2 degassing system

- Small dimensions and weight compared to analogues

- Stainless steel panels protect operating personnel from thermal burns and contact with working elements

- Demountable design of the condensation chamber enables visual inspection of scale formation, easy sediment cleaning, maintenance and repair

- Standard set includes spare tubular heating elements, a spare electrode of the water sensor, supply water hoses and distillate collection hoses, connecting clamps

- Power connection cable with a shock-proof plug

- Lifetime: above 8 years, warranty period: 12 months

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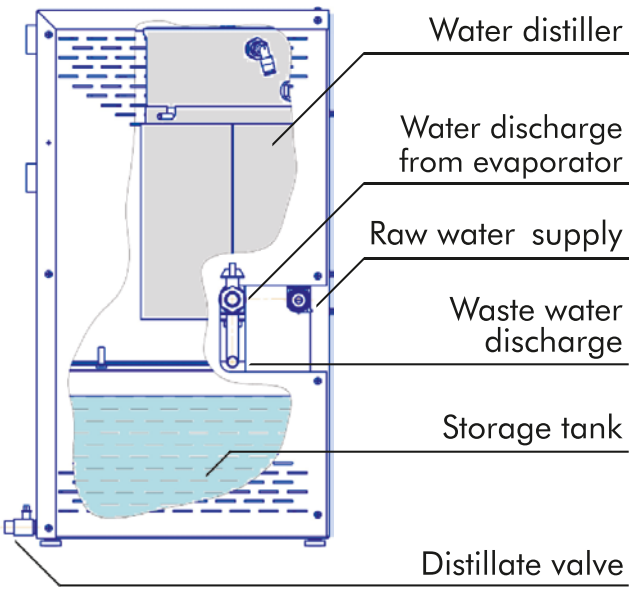
Cross-section



AE-10/20

Technical Data

Model	Capacity L / h	Tank, L	Cooling water requirement L / h approx.	Exterior dimensions mm approx.			Electrical connection		Weight kg approx.		Packing volume approx m^3
				Width	Depth	Height	Voltage, V (50...60 Hz)	Power consumption kW	net	gross cardboard box	
AE-4/8	4	8	30	320	290	570	230	3.0	13.5	16	0.1
AE-10/20	10	20	75	425	425	775	400	7.2	22.8	37	0.3

BE series Double Distillation Water Stills

BE-2

Electrical conductivity of double distillate: 1.0-1.2 μS/cm at 25°C
Designed for production of distilled and double distilled water (non-pyrogenic)

- Body and main parts are made of AISI 321 high-alloy stainless steel
- Automatic water level control in the evaporation chamber. Automatic low water shutdown
- Energy and water saving system
- CO_2 degassing system
- Stainless steel panels protect operating personnel from thermal burns and contact with working elements
- Built-in cooler chills double distillate to t, max = +40°C
- Demountable design of condensation chambers enables visual inspection of scale formation, easy sediment cleaning, maintenance and repair
- Standard set includes spare tubular heating elements, a spare electrode of the water sensor, supply water hoses and distillate collection hoses, connecting clamps
- Power connection cable with a shock-proof plug
- Reagents can be placed in the evaporation chamber at the 2-nd distillation phase
- Lifetime: above 5 years, warranty period: 12 months

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BE-4

Technical Data

Model	Capacity L / h	Cooling water requirement L / h approx.	Exterior dimensions mm approx.			Electrical connection		Weight kg approx.		Packing volume approx m^3
			Width	Depth	Height	Voltage, V (50...60 Hz)	Power consumption kW	net	gross cardboard box	
BE-2	2	44	470	280	300	230	3.3	14.5	16	0.05
BE-4	4	88	550	360	400	230	3.2	16.5	21	0.12

UPVA series
Reagent Grade Water Generation Systems

UPVA-15

UPVA-5

Electrical conductivity of product water:
0.8-1.0 μS/cm at 25°C
Designed for production of ultra pure non-pyrogenic reagent grade water (Type II)

- Body and main parts are made of AISI 321 high-alloy stainless steel
- Automatic water level control in the evaporation chamber. Automatic low water shutdown
- Energy and water saving system due to distillation of the heated cooling water
- CO_2 degassing system
- Multi-stage cleaning system
- High quality of product water with a very low content of inorganic, organic or colloidal contaminants
- Product water quality control in real time
- Stainless steel panels protect operating personnel from thermal burns and contact with working elements
- Built-in cooler chills product water to t, max = +25°C
- Demountable design of the condensation chamber enables visual inspection of scale formation, easy sediment cleaning, maintenance and repair
- Standard set includes spare tubular heating elements, a spare electrode of the water sensor, supply water hoses and distillate collection hoses, connecting clamps
- Power connection cable with a shock-proof plug
- Units can be combined with a purified water storage tank into an automatically operating system ensuring automatic water and power supply turning off when the storage tank is full and its turning on when it is empty
- Lifetime: above 8 years, warranty period: 12 months

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UPVA-25

Technical Data

Model	Capacity L / h	Cooling water requirement L / h approx.	Exterior dimensions mm approx.			Electrical connection		Weight kg approx.		Packing volume approx m^3
			Width	Depth	Height	Voltage, V (50...60 Hz)	Power consumption kW	net	gross cardboard box	
UPVA-5	5	36	424	417	454	230	3.6	20	26	0.17
UPVA-15	15	110	550	500	625	400	9.1	39	56	0.37
UPVA-25	23	180	660	550	760	400	16.3	50	72	0.47

UPVA series
Reagent Grade Water Generation Systems

UPVA-5-1

Electrical conductivity of product water: approx. 0.05 μS/cm at 25°C
Designed for production of ultra pure non-pyrogenic reagent grade water (Type I)

- Body and main parts are made of AISI 321 high-alloy stainless steel
- Automatic water level control in the evaporation chamber. Automatic low water shutdown
- Energy and water saving system
- CO_2 degassing system
- Multi-stage cleaning system
- High quality of product water with a very low content of inorganic, organic or colloidal contaminants
- Stainless steel panels protect operating personnel from thermal burns and contact with working elements
- Built-in cooler chills product water to t, max = +25°C
- Demountable design of the condensation chamber enables visual inspection of scale formation, easy sediment cleaning, maintenance and repair
- Standard set includes spare tubular heating elements, a spare electrode of the water sensor, supply water hoses and distillate collection hoses, connecting clamps
- Power connection cable with a shock-proof plug
- Desktop or wall mountable. Optional wall bracket
- Units can be combined with a purified water storage tank into an automatically operating system ensuring automatic water and power supply turning off when the storage tank is full and its turning on when it is empty
- Lifetime: above 8 years, warranty period: 12 months

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UPVA-5-1

Technical Data

Model	Capacity L / h	Cooling water requirement L / h approx.	Exterior dimensions mm approx.			Electrical connection		Weight kg approx.		Packing volume approx m^3
			Width	Depth	Height	Voltage, V (50...60 Hz)	Power consumption kW	net	gross cardboard box	
UPVA-5-1	5	40	670	470	490	230	3.6	35	56	0.32

ADE series Water Stills

ADE-40

Electrical conductivity of distillate: 2.8-3.0 μS/cm at 25°C Designed for production of distilled water

- Body and main parts are made of AISI 321 high-alloy stainless steel
- Automatic water level control in the evaporation chamber. Automatic low water shutdown
- Energy and water saving system
- CO_2 degassing system
- Stainless steel panels protect operating personnel from thermal burns and contact with working elements
- Demountable design of the condensation chamber enables visual inspection of scale formation, easy sediment cleaning, maintenance and repair
- Standard set includes spare tubular heating elements, a spare electrode of the water sensor, supply water hoses and distillate collection hoses, connecting clamps
- Power connection cable with a shock-proof plug
- Tubular heating elements made of stainless steel
- Distillers can be combined with a purified water storage tank into an automatically operating system ensuring automatic water and power supply turning off when the storage tank is full and its turning on when it is empty
- Lifetime: above 8 years, warranty period: 12 months

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ADE-50

Technical Data

Model	Capacity L / h	Cooling water requirement L / h approx.	Exterior dimensions mm approx.			Electrical connection		Weight kg approx.		Packing volume approx m^3
			Width	Depth	Height	Voltage, V (50...60 Hz)	Power consumption kW	net	gross cardboard box	
ADE-40	40	320	700	500	800	400	27.0	40	62	0.57
ADE-50	50	380	700	500	800	400	31.5	40	62	0.57

DE series Water Stills

Electrical conductivity of distillate: 2.5-3.0 μS/cm at 25°C Designed for production of distilled water

DE-40

DE-50

- Body and main parts are made of AISI 321 high-alloy stainless steel
- Automatic water level control in the evaporation chamber. Automatic low water shutdown
- Energy and water saving system
- Two separate water supply circuits enable low water consumption through the use of recycling water for distillate cooling (if there is a recycling water supply at a customer's site)
- CO_2 degassing system
- Stainless steel panels protect operating personnel from thermal burns and contact with working elements
- Demountable design of the condensation chamber enables visual inspection of scale formation, easy sediment cleaning, maintenance and repair
- Standard set includes spare heating electrodes, a spare electrode of the water sensor, supply water hoses and distillate collection hoses, connecting clamps
- Power connection cable with a shock-proof plug
- Distillers can be combined with a purified water storage tank into an automatically operating system ensuring automatic water and power supply turning off when the storage tank is full and its turning on when it is empty
- Lifetime: above 8 years, warranty period: 12 months

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DE-70

Technical Data

Model	Capacity L / h	Cooling water requirement L / h approx.	Exterior dimensions mm approx.			Electrical connection		Weight kg approx.		Packing volume approx m^3
			Width	Depth	Height	Voltage, V (50...60 Hz)	Power consumption kW	net	gross cardboard box	
DE-40	40	320	560	420	1100	400	26.5	43	66	0.45
DE-50	50	360	560	420	1100	400	30.0	43	66	0.45
DE-70	70	500	740	550	1100	400	42.0	65	72	0.69

DE series Water Stills

DE-100

DE-140

Electrical conductivity of distillate: 3.0-3.5 μS/cm at 25°C Designed for production of distilled water

- Body and main parts are made of AISI 321 high-alloy stainless steel
- Automatic water level control in the evaporation chamber. Automatic low water shutdown
- Energy and water saving system
- Two separate water supply circuits enable low water consumption through the use of recycling water for distillate cooling (if there is a recycling water supply at a customer's site)
- CO_2 degassing system
- Stainless steel panels protect operating personnel from thermal burns and contact with working elements
- Demountable design of the condensation chamber enables visual inspection of scale formation, easy sediment cleaning, maintenance and repair
- Standard set includes spare heating electrodes, a spare electrode of the water sensor, supply water hoses and distillate collection hoses, connecting clamps
- Power connection cable with a shock-proof plug
- Distillers can be combined with a purified water storage tank into an automatically operating system ensuring automatic water and power supply turning off when the storage tank is full and its turning on when it is empty
- Lifetime: above 8 years, warranty period: 12 months

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DE-210

Technical Data

Model	Capacity L / h	Cooling water requirement L / h approx.	Exterior dimensions mm approx.			Electrical connection		Weight kg approx.		Packing volume approx m^3
			Width	Depth	Height	Voltage, V (50...60 Hz)	Power consumption kW	net	gross cardboard box	
DE-100	100	750	810	630	1270	400	60	82	127	0.88
DE-140	140	1000	810	630	1420	400	84	88	135	0.89
DE-210	210	1800	1195	850	1915	400	128	208	303	2.58

C series

Purified Water Storage Tanks Designed for purified water storage

- Body and main parts are made of AISI 321 high-alloy stainless steel

- Tanks can be combined with water distillers for convenient collection of distilled water

- Tanks are equipped with a:
  – device cutting off the water distiller when the tank is full
  – bactericidal air filter
  – water level gauge
  – distillate valve
  – mobile platform with wheels for an empty tank moving

- Voltage (connection to the water distiller):~220-240 V (50-60 Hz, single phase AC) or 12 V (DC)

- Lifetime: above 8 years, warranty period: 12 months

Technical Data

Model Order No	Capacity, L	Overall dimensions, mm		Weigh, kg
		Length and width	Height (with a platform)	
C-30	30	450x500	605	9.3
C-60	60	450x500	905	10.8
C-100	100	560x580	850	17.2
C-180	180	690x660	1015	24.7
C-240	240	690x660	1245	28.7
C-300	305	805x780	1185	35.9
C-500	500	805x780	1590	52.9

TC series

Injection Water Thermal Tanks Designed for collection, storage, transportation and delivery of injection water and sterile solutions

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- Body and main parts, piping and valves are made of high-alloy AISI 321 stainless steel
- Circulation pump with a wetted part made of stainless steel
- Thermal tanks are equipped with a:
  - heating element
  - sprinkler
  - temperature measuring and regulating device
  - bactericidal air filter
- Fully automatic control and safety system
- Platform trolley for convenient transportation and handling
- Capacity - 30, 60, 100, 180
- Custom manufacturing is possible

TC-100

Technical Data

Model	Effective tank capacity, l	Dimensions (LxWxH), mm	Weight, kg	Power consumption, kW	Water temperature in the tank, °C	Current direction, type and frequency
TC-30	30	1015×510×1000	45.0	6.0	85-95	380-420 V, three-phase AC, 50-60 Hz
TC-60	60	1015×510×1100	48.0	6.0	85-95	
TC-100	100	1200×585×1120	55.0	9.0	85-95	
TC-180	180	1350×660×1240	68.5	9.0	85-95	

UPVD series
Water Purification Systems

Electrical conductivity of product water:
< 1.0 µS/cm
Designed for production
of Type II water

- Designed to deliver the highest pure water quality for your regular laboratory applications and instrument feed
- Multistage cleaning system
- The systems comply with the purified water requirements from the European, Japanese and US Pharmacopeias providing consistent, reliable pure water
- Energy and water saving system
- Demountable design of the system enables visual inspection of scale formation, easy sediment cleaning, maintenance and repair
- Standard set includes a spare ion resin kit and filters
- Desktop or wall mountable. Optional wall bracket
- Optional installation of devices for the purification process control
- Optional installation of a UV lamp and a finishing filter for pyrogen-free water
- Systems can be combined with a purified water tank into an automatically operating system
- Lifetime: above 10 years, warranty period: 12 month

Technical Data

Model	Capacity L / h	Tap water requirement L / h approx.	Exterior dimensions mm approx.			Power consumption kW / h	Inlet Pressure bar	Weight kg approx.		Packing volume approx m^3
			Width	Depth	Height			net	gross cardboard box	
UPVD-5	5	20	810	630	1270	0	3.0	9.0	11	0.08
UPVD-10	10	30	810	630	1420	0	3.5	11.5	15	0.1
UPVD-30	30	60	1195	850	1915	0.2	7.2	21.0	30	0.2
UPVD-60	60	120	1195	850	1915	0.5	9.0	36.5	55.5	0.35

Industries

Medicine and Pharmaceutics:

- Hospitals/maternity hospitals (laboratories, sterilization departments)
- Dental clinics
- Pharmacies
- Pharmaceutical companies
- Health improvement centers (spa & resorts)

Agricultural companies:

- Companies engaged in crop cultivation and animal breeding
- Fodder plants
- Agricultural products processing companies

Industrial companies:

- Nuclear industry servicing companies
- Aircraft plants and shipbuilding yards
- Metallurgical plants (filling distillate into equipment for process lines cooling)
- Food and beverages production companies (dairy, bakery, distilling, meat-processing plants)
- Poultry farms
- Electronic components manufacturing companies
- Jewelry factories
- Cosmetics manufacturing companies
- Sewing workshops

Laboratories of educational and research institutions:

- Universities/colleges
- Research institutions
- Hygiene and epidemiology centers

Transport companies:

- Motor transport companies (topping up batteries, antifreeze dilution)
- Railway depots

Tram and trolleybus depots

Chemical companies:

- Battery factories
- Gas production companies
- Oil refineries

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Service companies:

- PVC windows producing companies
- Processing equipment maintaining companies (filling distillate into circulation and cooling systems)
- Batteries servicing companies

Individuals:

- Filling into home appliances (irons, steam generators, humidifiers)

Filling into heating systems

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